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    CLK2 ..... 3  
    CLK3 ..... 4  
    CLK4 ..... 5  
    CLK5 ..... 6  
    CLK6 ..... 7  
    CLK7 ..... 8  
    CLK8 ..... 9  
    CLK9 ..... 10  
    CLK10 ..... 11  
    CLK11 ..... 12  
    CLK12 ..... 13  
    CLK13 ..... 14  
    CLK14 ..... 15  
Ford Transmission Index ..... 1  
Fuller Transmission Index ..... 1  
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    FUL2 ..... 15  
    FUL3 ..... 16  
    FUL4 ..... 17  
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FUL32 .....	45
FUL33 .....	46
FUL34 .....	47
FUL35 .....	48
FUL36 .....	49
FUL37 .....	50
Getrag Transmission Index .....	1
GET1 .....	2
GM/Chevy Transmission Index .....	1
CHE1 .....	2
Hino Transmission Index .....	1
HIN1 .....	2
Isuzu Transmission Index .....	1
IZU1 .....	2
Jatco Transmission Index .....	1
JAT1 .....	2
Mack Transmission Index .....	1
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MAK2 .....	6
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Mitsubishi Transmission Index .....	1
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Navistar Transmission Index .....	1
NAV1 .....	9
New Process Transmission Index .....	1
NPG1 .....	3
NPG2 .....	4
NPG3 .....	5
New Venture Transmission Index .....	1
NVG1 .....	2
NVG2 .....	3
Nissan / UD Transmission Index .....	1
NSD1 .....	2
Renault Transmission Index .....	1
RNT1 .....	2
Rockwell / Meritor Transmission Index .....	1
RKW1 .....	10
RKW2 .....	11
RKW3 .....	12
RKW4 .....	13
Saab-Scania Transmission Index .....	1
SCB1 .....	2
Spicer / TTC Transmission Index .....	1
SPR1 .....	10
SPR2 .....	11
SPR3 .....	12
SPR4 .....	13
SPR5 .....	14
SPR6 .....	15
SPR7 .....	16
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SPR49.....	58
SPR50.....	59
TSP1.....	60
TSP2.....	61
TSP5.....	64
TSP6.....	65
Tremec Transmission Index.....	1
TTC1.....	2
Volvo Transmission Index.....	1
VLV1.....	2
Warner Transmission Index.....	1
WRN1.....	2
Zed-F Transmission Index.....	1
ZDF1.....	2
ZDF2.....	3
ZDF3.....	4
ZDF4.....	5
ZDF5.....	6

# I. GENERAL INFORMATION



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## P.T.O. & Pump Information

### PTO Questions:

Transmission make & Model: \_\_\_\_\_

P.T.O. Mounting Side: LH\_\_\_\_\_ RH\_\_\_\_\_ Bottom\_\_\_\_\_

P.T.O. Mounting Options: Remote\_\_\_\_\_ Direct Mount\_\_\_\_\_

P.T.O. Shifting Options: Cable Shift\_\_\_\_\_ Air Shift\_\_\_\_\_

Need Cab Controller: Yes\_\_\_\_\_ No\_\_\_\_\_

Duty Application: Dump \_\_\_\_\_ Walking Floor\_\_\_\_\_ Tanker\_\_\_\_\_ Other \_\_\_\_\_

### PUMP Questions:

Dump Pump: Direct Mount (on PTO)\_\_\_\_\_

Remote Mount (on Truck frame)\_\_\_\_\_

Air on Dump Pump: Yes\_\_\_\_\_ No\_\_\_\_\_

### Hydraulic Tank:

Hydraulic Tank Options: Side Mount / Upright (Steel / Aluminum / Plastic)

### PTO & Pump Control Valves:

Dual	Dual	Control Tower
W/Kick out	WO/ Kick out	(8"/10"/12")

Additions: Hose Kits

Representative: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

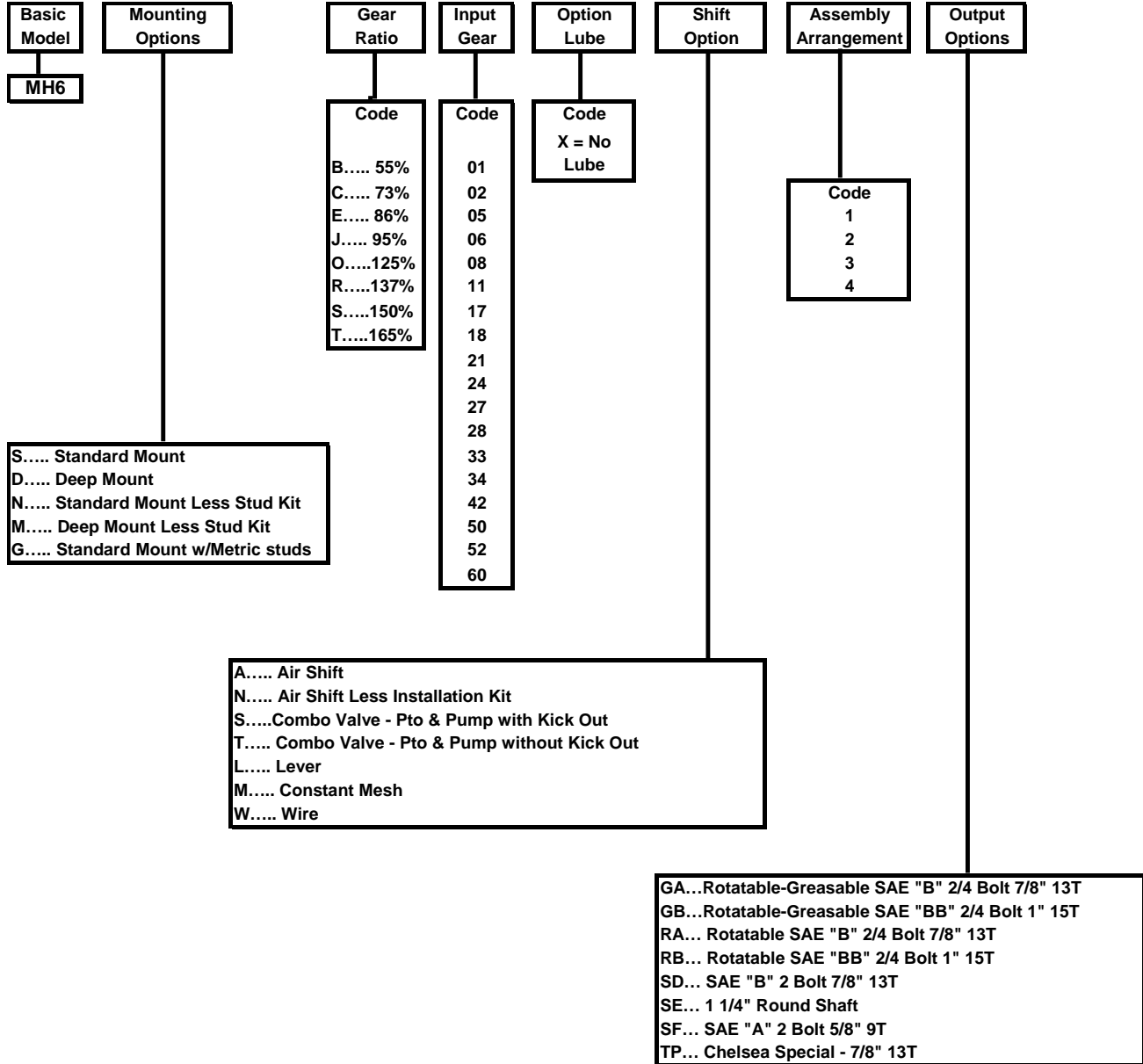


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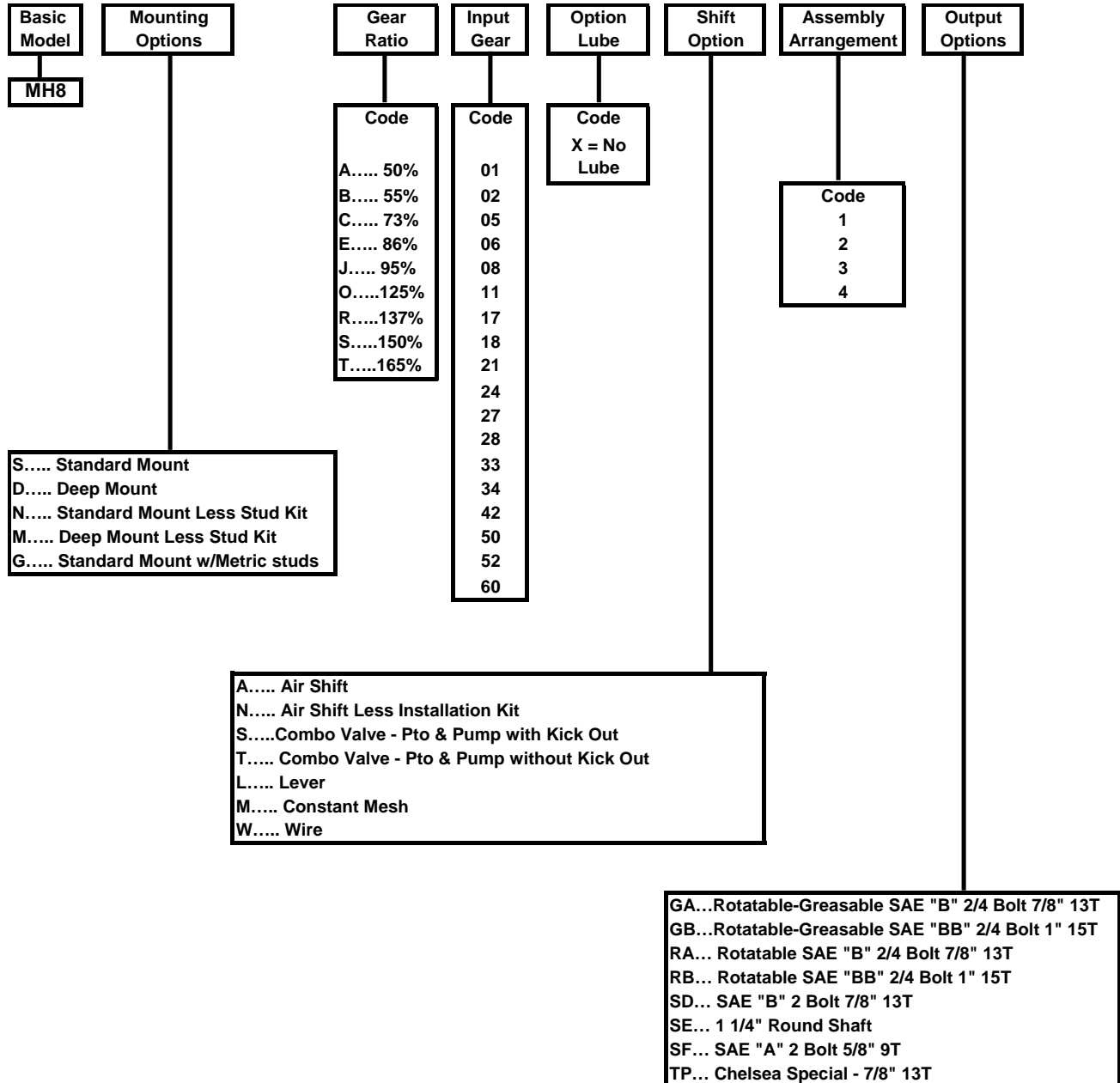


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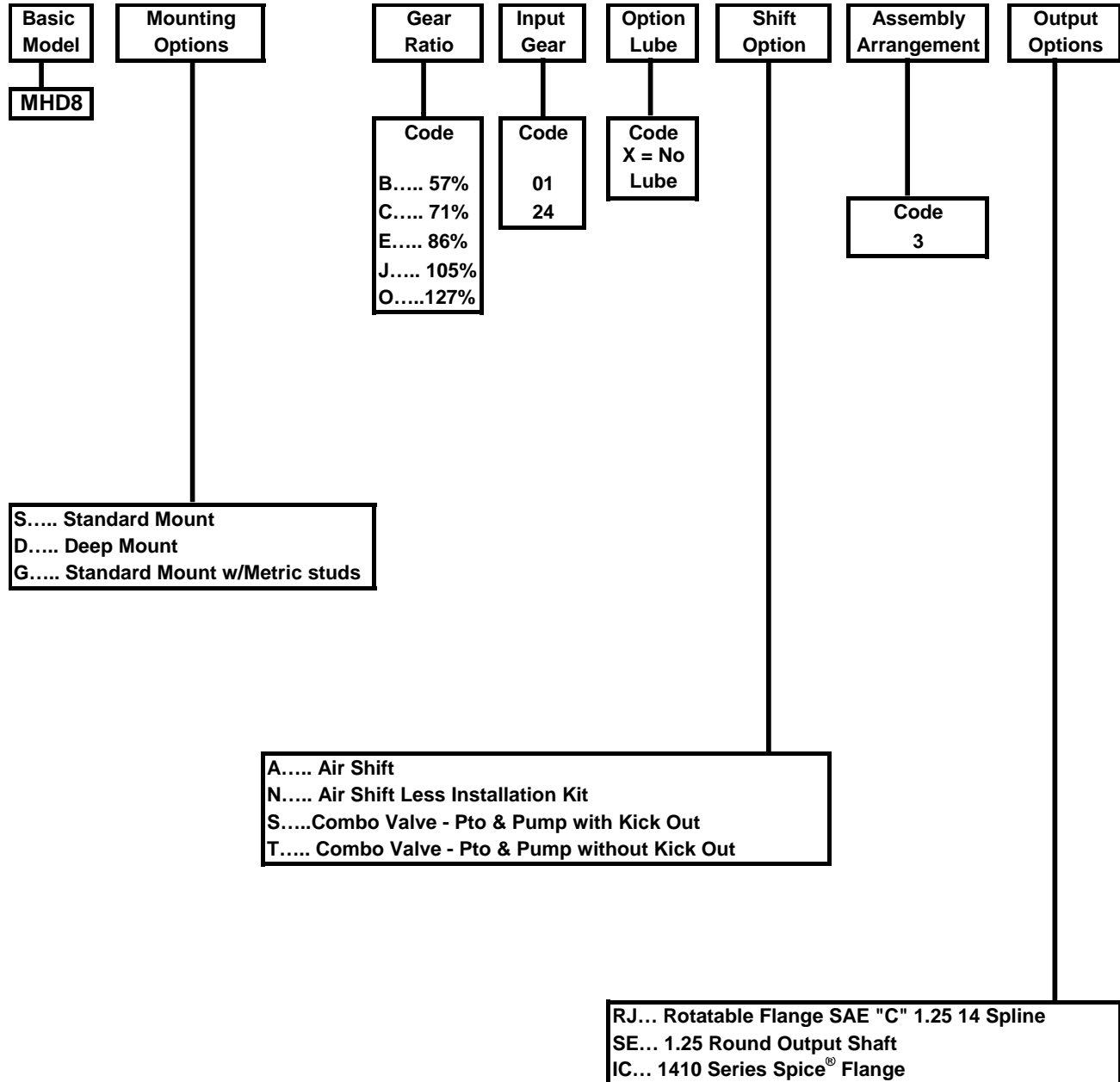
## Six Bolt P.T.O. MH6 Model



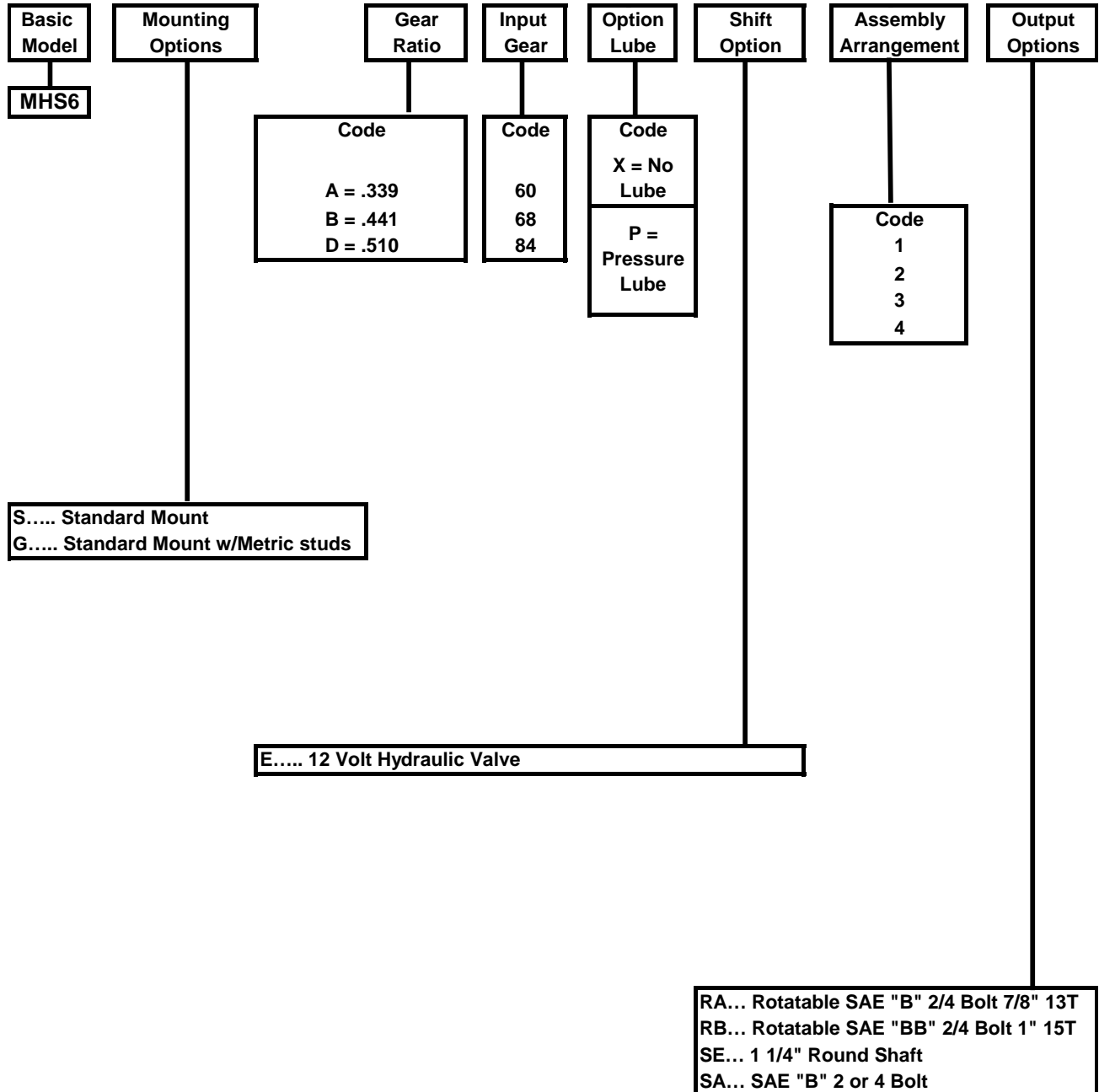
### Eight Bolt P.T.O. MH8 Model



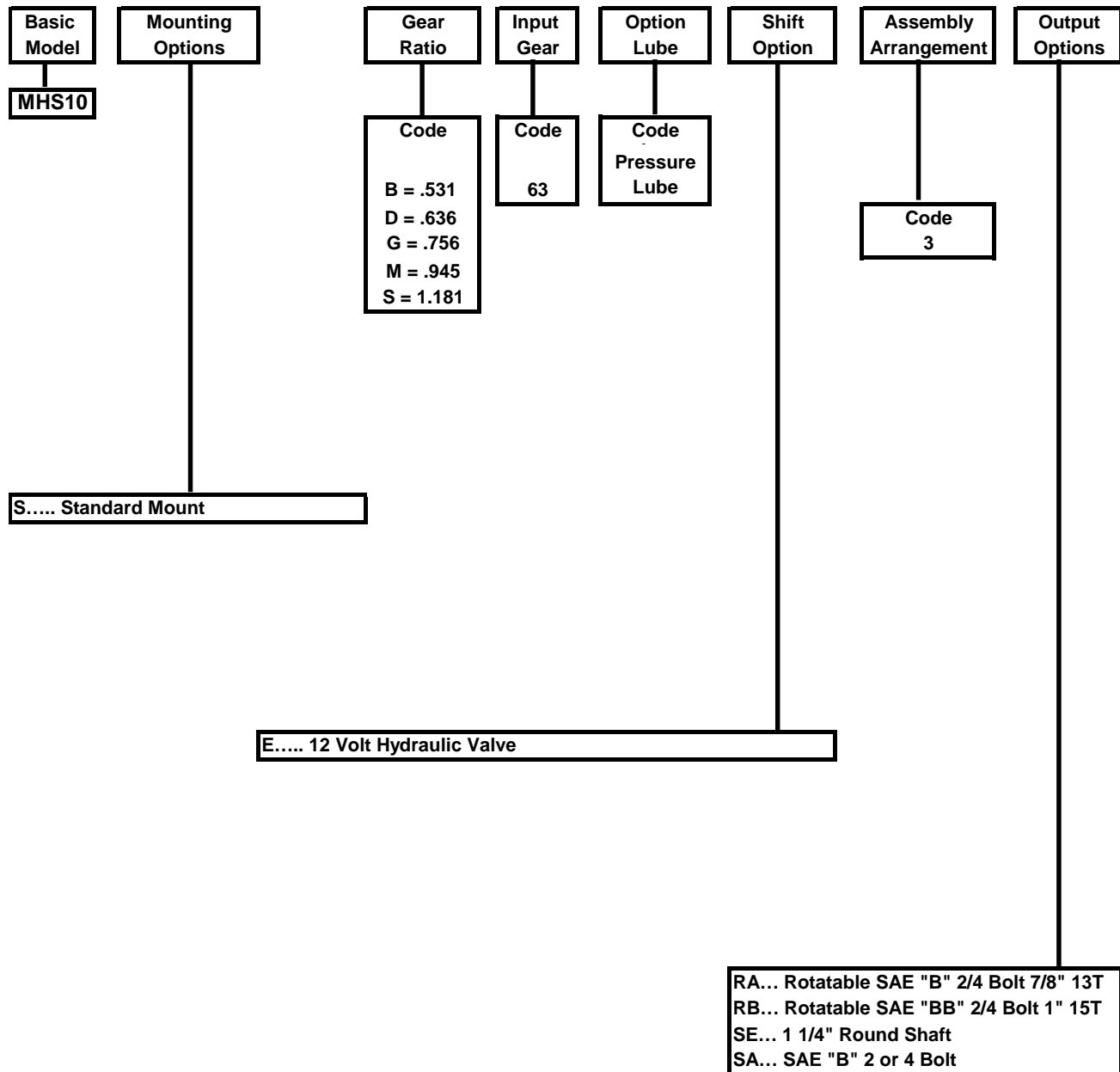
### Eight Bolt P.T.O. MHD8 Model



Six Bolt Clutch Shift P.T.O.  
MHS6 Model



Ten Bolt Clutch Shift P.T.O.  
MHS10 Model



## PTO Assembly Arrangements

<b>Metaris</b>	1	2	3	4
<b>PTO</b>	1	2	3	4
<b>Chelsea®</b>	3	4	5	6
<b>Muncie®</b>	1	2	3	4

**Rules of Arrangement:**

1. Gears must be facing you.
2. Shifter cover must be on top of PTO.
3. What side is the input on?
4. What side is the output shaft on?
5. Match to picture above.

**PTO Shifters**

<b>Air Shifters</b>	<b>Metaris Part #</b>	<b>Alternate Part #</b>
1 & 4 POSITION	MPN600010	M902299
2 & 3 POSITION	MPN600012	M903899

<b>Mechanical Shifters</b>	<b>Metaris Part #</b>	<b>Alternate Part #</b>
1 & 4 POSITION	MPN600009	M902099
2 & 3 POSITION	MPN600011	M903599

<b>Seal Kits Contents</b>			<b>MPN100736 (MSK-009X)</b>
<b>Metaris #</b>	<b>Alternate #</b>	<b>Description</b>	<b>Air Shifter Seal Kit</b>
MPN600024	MBU-009	CUP SEAL	1
MPN600102	MOR-045	O-RING	1
MPN600101	MOR-029	O-RING	1

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## PTO Shifter Kits

Contents			M902299X (MPN600499)	M903899X (MPN600500)	M902099X (MPN600501)	M903599X (MPN600502)
Metaris Part #	Alternate Part #	Description	Air Shifter Kit 1-4	Air Shifter Kit 2-3	Mechanical Shifter Kit 1-4	Mechanical Shifter Kit 2-3
MPN600010	M902299	Air Shift Top 1-4	1			
MPN600012	M903899	Air Shift Top 2-3		1		
MPN600009	M902099	Mech. Shift Top 1-4			1	
MPN600011	M903599	Mech. Shift Top 2-3				1
MPN600019	MAS-009	Allen Bolt	4	4	4	4
MPN600048	MGA4015SC	Gasket	1	1	1	1
MPN600333	MSWK-699	Wiring Harness	1	1	1	1
MPN600334	MSW-003	Sending Unit	1	1	1	1
MPN600181	MOR-090	O-Ring	1	1	1	1
MPN600041	MFI-216-S	Straight Fitting	1	1		
MPN600040	MFI-216-E	Elbow Fitting	1	1		
MPN600217	M9013799	Wire Assembly Kit			1	1



**PTO Input Gear Kits**

<b>INPUT GEAR KIT</b>	<b>INPUT GEAR</b>	<b>"O"RING</b>	<b>PRELOAD NUT</b>	<b>SNAP RING</b>
01X	MPN600061 (MR675)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
02X	MPN600067 (MR683)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
05X	MPN600063 (MR677)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
06X	MPN600064 (MR679)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
08X	MPN600066 (MR682)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
11X	MPN600075 (MR699)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
17X	MPN600065 (MR680)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
18X	MPN600328 (MR681)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
21X	MPN600062 (MR676)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
24X	MPN600072 (MR695)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
27X	MPN600070 (MR692)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
28X	MPN600086 (MR771)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
33X	MPN600074 (MR697)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
34X	MPN600073 (MR696)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
42X	MPN600191 (MR66)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
50X	MPN600071 (MR694)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
52X	MPN600076 (MR700)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)
60X	MPN600192 (MR60)	MPN600100 (MOR-022) (2)	MPN600112 (MPN841/851)	MPN600132 (MSR-001)

**Gaskets & Steel Shims**

**6 Bolt Gaskets & Shims**

<b>Metaris #</b>	<b>Alternate #</b>	<b>THICKNESS</b>
MPN600002	MGA6010	.010 GASKET
MPN600003	MGA6015	.015 GASKET
MPN600004	MGA6032	.032 GASKET
M6062	M6062	.062 STEEL
M6093	M6093	.093 STEEL
M6125	M6125	.125 STEEL
M6140	M6140	.140 STEEL
M6165	M6165	.165 STEEL
M6187	M6187	.187 STEEL
M6200	M6200	.200 STEEL
M6240	M6240	.240 STEEL
M6270	M6270	.270 STEEL
M6300	M6300	.300 STEEL
M6350	M6350	.350 STEEL
M6400	M6400	.400 STEEL
M6450	M6450	.450 STEEL
M6500	M6500	.500 STEEL
M6550	M6550	.550 STEEL
M6562	M6562	.562 STEEL
M6800	M6800	.800 STEEL

**8 Bolt Gaskets & Shims**

<b>Metaris #</b>	<b>Alternate #</b>	<b>THICKNESS</b>
MPN600050	MGA8010	.010 GASKET
MPN600051	MGA8015	.015 GASKET
MPN600052	MGA8032	.032 GASKET
M8062	M8062	.062 STEEL
M8093	M8093	.093 STEEL
M8165	M8165	.165 STEEL
M8190	M8190	.190 STEEL
M8248	M8248	.248 STEEL
M8295	M8295	.295 STEEL
M8375	M8375	.375 STEEL
M8600	M8600	.600 STEEL
M8700	M8700	.700 STEEL
M81005	M81005	.1005 STEEL

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## Air Control Kits

Contents			MPN600202 (MH101X)	MPN600503 (MH103X)	MPN600203 (MH201X)	MPN600204 (MH202X)
Metaris #	Alternate #	Description	Single Controller Air Kit	Single Controller ONLY	Dual Controller Air Kit W/ Kickout	Dual Controller Air Kit W/O Kickout
MPN600177	CP-021	Name cover Plate for Controller	1	1		
MPN600008	M118373	Single Air Controller	1	1		
MPN600022	MAV295	Dual Controller W/Kickout			1	
MPN600023	MAV295M	Dual Controller W/O Kickout				1
MPN600165	MHO-1004-15'	Hose 15' Long	15 Feet			
MPN600165	MHO-1004-30'	Hose 30' Long			30 Feet	30 Feet
MPN600178	MFH-12A	Inline Fuse	1		1	1
MPN600179	MLI-750	Indicator Light	1	1		
MPN600174	MFI-24T	1/8 NPT X 1/4 Tube 180° Fitting	2			
MPN600183	MMS-463	10-24 X 5/8" Machine Screw	4	4		
MPN600184	MNU-6028	10-24 Machine Screw Nut	4	4		
MPN600185	MWA-614	#10 Lock Washer	4	4		

### Air Protection Valve Kit (MPN600205) (M118365X)

(*)MPN600007	(*)M118365	Air Protection Valve	1		1	1
(*)MPN600171	(*)MFI-44N	1/4 NPT X 1/4 NPT 180° Fitting	1		1	1
(*)MPN600174	(*)MFI-24T	1/8 NPT X 1/4 Tube 180° Fitting	1		1	1

(\*) These parts are recommended; but optional with these Air Kits.

Contents			MPN600307 (MH102X)
Metaris #	Alternate #	Description	Single Controller Adapter Kit
MPN600304	MCP-833	Single Controller Adapter Plate	1
MPN600306	MSC-306	Mounting Screw	4
MPN600305	MSC-119	Mounting Screw	2

**PTO Popular Stud Kits**

<b>Series</b>	<b>Standard (X)</b>	<b>Deep Mount (D)</b>	<b>Metric (G)</b>	<b>Deep Mount Metric</b>
MH6	MPN600237 (MH8170-76X)	MPN600240 (MH8170-77X)	MPN600249 (MH170-78X)	
MH8	MPN600214 (MH8170-200X)	MPN600215 (MH8170-201X)	MPN600216 (MH170-68X)	
HD8	MPN600475 (MH8170-202X)	MPN600475 (MH8170-202X)	MPN (MH170-69X)	
MHS6	MPN600518 (MH8170-101X)		MPN600519 (MH170-103X)	
MHS10	MPN600522 (MH170-86X)			

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## Parts List Stud Kit Breakdown

Kit #	Stud	Capscrew	Washer	Nut
MPN600241 (MH170-2X)	MPN600194 MST-423-16 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600242 (MH170-3X)	MPN600195 MST-423-18 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600243 (MH170-4X)	MPN600196 MST-423-20 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600244 (MH170-5X)	MPN600197 MST-423-22 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600245 (MH170-6X)	MPN600198 MST-423-24 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600246 (MH170-7X)	MPN600199 MST-423-26 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600247 (MH170-8X)	MPN600200 MST-423-28 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600248 (MH170-9X)	MPN600201 MST-423-30 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600322 (MH170-16X)	MPN600321 MST-423-44 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600216 (MH170-68X)		MPN600156 MCS-021 (8)	MPN600255 MWA-019 (8)	
MPN (MH170-69X)		MPN600156 MCS-021 (8) MPN600525 MCS-023 (8)	MPN600255 MWA-019 (8)	
MPN600249 (MH170-78X)	MPN600208 MST-428-16 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600522 (MH170-86X)	MPN600419 MST-451 (2)	MPN600454 MCS-453-10 (8)		
MPN600240 MH170-89X	MPN600193 MST-423-12 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600238 MH170-96X	MPN600209 MST-293-8 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600519 MH170-103X	MPN600514 MST-428-14 (3) MPN600515 MST-428-16 (2)	MPN600516 MCS-445-1 (1)	MPN600162 MWA-020 (6)	MPN600218 MNU-075 (5)
MPN600254 MH8170-7X		MPN600232 MCS-424-34 (8)	MPN600210 MWA-018 (8)	
MPN600251 MH8170-8X		MPN600233 MCS-424-21 (8)	MPN600210 MWA-018 (8)	

**Parts List Stud Kit Breakdown**

<b>Kit #</b>	<b>Stud</b>	<b>Capscrew</b>	<b>Washer</b>	<b>Nut</b>
MPN600253 MH8170-14X		MPN600234 MCS-424-29 (8)	MPN600210 MWA-018 (8)	
MPN600252 MH8170-15X		MPN600235 MCS-424-24 (8)	MPN600210 MWA-018 (8)	
MPN600251 MH8170-18X		MPN600233 MCS-424-21 (8)	MPN600210 MWA-018 (8)	
MPN600237 MH8170-76X	MPN600170 MST-423-15 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600240 MH8170-77X	MPN600193 MST-423-12 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600240 MH8170-95X	MPN600193 MST-423-12 (6)		MPN600162 MWA-020 (6)	MPN600218 MNU-075 (6)
MPN600518 MH8170-101X	MPN600400 MST457-13 (1) MPN600194 MST-426-16 (2) MPN600398 MST-423-14 (2)	MPN600343 MCS-935 (1)	MPN600162 MWA-020 (6)	MPN600218 MNU-075 (5)
MPN600250 MH8170-129X		MPN600236 MCS-287-18 (8)	MPN600210 MWA-018 (8)	
MPN600253 MH8170-131X		MPN600234 MCS-424-29 (8)	MPN600210 MWA-018 (8)	
MPN600250 MH8170-190X		MPN600236 MCS-287-18 (8)	MPN600210 MWA-018 (8)	
MPN600251 MH8170-192X		MPN600233 MCS-424-21 (8)	MPN600210 MWA-018 (8)	
MPN600214 MH8170-200X		MPN600155 MCS-020 (6) MPN600175 MST-424-18 (2)	MPN600210 MWA-018 (8)	MPN600301 MNU-006 (2)
MPN600215 MH8170-201X		MPN600157 MCS-029 (8)	MPN600210 MWA-018 (8)	
MPN600475 MH8170-202X		MPN600175 MST-084 (8) MPN600524 MCS-022 (8)	MPN600210 MWA-018 (8)	MPN600301 MNU-006 (8)

# I. GENERAL INFORMATION

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## Air Protection Valve Kit

MPN600205 (M118365X)

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600007	M118365	AIR PROTECTION VALVE
1	MPN600171	MFI-44N	1/4 NPT X 1/4 NPT NIPPLE
1	MPN600174	MFI-24T	1/8 NPT X 1/4 TUBE STRAIGHT FITTING

## II. CROSSOVER INFORMATION



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### Example Crossover Chart

THE FOLLOWING EXAMPLES GIVE YOU A **COLOR** COMPARISON OF PART NUMBERS AND HOW TO CROSSOVER FROM ONE TO ANOTHER. ON THE NEXT SEVERAL PAGES YOU WILL FIND A MORE DETAILED CROSSOVER CHART.

	MODEL	RATIO GEAR	INPUT	OPT. LUBE	SHIFTER	ASSEMBLY	OUTPUT
METARIS	MH8S	B	01	X	A	1	SE
	MODEL	RATIO GEAR	INPUT	OPT. LUBE	SHIFTER	ASSEMBLY	OUTPUT
CHELSEA	489X	F	AH	X	A	3	XD
	MODEL	OPT. LUBE	RATIO GEAR	SHIFTER	INPUT	ASSEMBLY	OUTPUT
PTO, INC	2000	X	B	A	01	1	SE
	MODEL	INPUT	RATIO GEAR	SHIFTER	ASSEMBLY	OUTPUT	OPT.LUBE
MUNCIE	TG8S	U68	08	A	1	B	X



## II. CROSSOVER INFORMATION



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### PTO Crossover - MH6-8

#### BASE MODEL

METARIS	CHELSEA	MUNCIE	PTO
MH6S	420X / 440X / 441X / 442X	TG6S	1000
MH6D	420Z / 440Z / 441Z / 442Z	TG6D	1010
MH6G	420G / 440G / 441G / 442G	TG6B	
MH6N	420K / 440K / 441K / 442K		
MH6M	420L / 440L / 441L / 442L		
MH8S	488X or 489X or 488W	TG8S	2000
MH8D	488Z or 489Z	TG8D	2010
MH8G	488G or 489G	TG8B	
MH8N	488K or 489K		
MH8M	488L or 489L		

#### GEAR RATIO

METARIS	CHELSEA	MUNCIE	PTO
A	C	05	A
B	F	05	B
C	L	07	C
E	Q	09	E
J	R	09	J
O	S	12	O
R	U	14	R
S	NONE	15	S
T	W	17	T

## II. CROSSOVER INFORMATION



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### PTO Crossover - MH6-8

#### INPUT GEARS

METARIS	CHELSEA	MUNCIE	PTO
01	AH	U68/X68	01
02	AB	U57	02
05	AR	S60	05
06	AX	C60	06
08	BG	S70	08
11	BQ	G73	11
17	ES	F63	17
18	EW	F61	18
21	GS	Z98	21
24	DA	M65*	24
27	EV	F11	27
28	JK	F70	28
33	AP	S61	33
34	FN	S71	34
42	JW	F66	42
50	HY	Z92	50
52	ED	Z98	52
60	N/A	U60	60

NOTE: ANY MUNCIE WITH A M65 INPUT GEAR HAS TO USE OUR DEEP MOUNT CASE.  
NOT OUR STANDARD CASE LIKE THE CHANGEOVER WILL CALL FOR.

#### LUBE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
X-NONE	X-NONE	X-NONE	X-NONE
N/A	P-PRESSURE LUBE	P-PRESSURE LUBE	P-PRESSURE LUBE

## II. CROSSOVER INFORMATION



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### PTO Crossover - MH6-8

#### SHIFTER TYPE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
A	A	A	A
L	NONE	L	L
M	M	M	M
N	V	P	N
S	S	NONE	S
T	T	NONE	T
W	W	C	W

#### ASSEMBLY ARRANGEMENT

METARIS	CHELSEA	MUNCIE	PTO
1	3	1	1
2	4	2	2
3	5	3	3
4	6	4	4

#### OUTPUT OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
GA	GA		
GB	GB		
RA	XK,RB	K	RA
RB	AF	P	RB
SD	AK	S	SD
SE	XD	B	SE
SF	XE	R	SF
TP	XR	G	TP

## II. CROSSOVER INFORMATION



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### PTO Crossover - MHD8

#### BASE MODEL

METARIS	CHELSEA	MUNCIE	PTO
MHD8S	880X	828S	4000
MHD8D	880Z	828D	4000
MHD8G	880G	828B	4000

#### GEAR RATIO

METARIS	CHELSEA	MUNCIE	PTO
B	J	09	B
C	M		C
E	Q	13	E
J	R	15	J
O	T	19	O

SEE APPLICATION PAGE FOR EXACT RATIO & PERCENTAGE OF ENGINE SPEED

#### INPUT GEARS

METARIS	CHELSEA	MUNCIE	PTO
01	AH	U68	01
24	DA	M65*	24

NOTE:\* ANY MUNCIE WITH A M65 INPUT GEAR HAS TO USE OUR DEEP MOUNT CASE.  
NOT OUR STANDARD CASE LIKE THE CHANGEOVER WILL CALL FOR.

#### LUBE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
X-NONE	X-NONE	X-NONE	X-NONE
N/A	P-PRESSURE LUBE	P-PRESSURE LUBE	P-PRESSURE LUBE

## II. CROSSOVER INFORMATION



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### PTO Crossover - MHD8

#### SHIFTER TYPE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
A	A	A	A
N	V	P	N
S	U	NONE	S
T	T	NONE	T

#### ASSEMBLY ARRANGEMENT

METARIS	CHELSEA	MUNCIE	PTO
3	5	3	3

#### OUTPUT OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
RJ	XS	E	RJ
SE			SE
IC	XV		IC

## II. CROSSOVER INFORMATION



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### PTO Crossover - MHS6

#### BASE MODEL

METARIS	CHELSEA	MUNCIE	PTO
MHS6S	270X	CS6	3000
MHS6G	270G	CS6B	3000

#### GEAR RATIO

METARIS	CHELSEA	MUNCIE	PTO
	A(AJ)		
	B(AJ)		
	B(HV)		
	D(HV)		
	D(JF)		

SEE APPLICATION PAGE FOR EXACT RATIO & PERCENTAGE OF ENGINE SPEED

#### INPUT GEARS

METARIS	CHELSEA	MUNCIE	PTO
60	AJ	U60	60
68	JF	I84	N/A
84	HV	A68	N/A

NOTE:\* ANY MUNCIE WITH A M65 INPUT GEAR HAS TO USE OUR DEEP MOUNT CASE.  
NOT OUR STANDARD CASE LIKE THE CHANGEOVER WILL CALL FOR.

#### LUBE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
X-NONE	X-NONE	X-NONE	X-NONE
N/A	P-PRESSURE LUBE	P-PRESSURE LUBE	P-PRESSURE LUBE

## II. CROSSOVER INFORMATION



January 1, 2007  
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### PTO Crossover - MHS6

#### SHIFTER TYPE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
E	B		E

#### ASSEMBLY ARRANGEMENT

METARIS	CHELSEA	MUNCIE	PTO
1	3	1	1
2	4	2	2
3	5	3	3
4	6	4	4

#### OUTPUT OPTIONS

METARIS	CHELSEA	MUNCIE	PTO

## II. CROSSOVER INFORMATION



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### PTO Crossover - MHS10

#### BASE MODEL

METARIS	CHELSEA	MUNCIE	PTO
MHS10S	277X	CS20	3100

#### GEAR RATIO

METARIS	CHELSEA	MUNCIE	PTO
B	B	05	B
D	D	06	C
G	G	07	G
M	M	10	M
S	S	12	O

SEE APPLICATION PAGE FOR EXACT RATIO & PERCENTAGE OF ENGINE SPEED

#### INPUT GEARS

METARIS	CHELSEA	MUNCIE	PTO
63	FJ	A10	63

NOTE:\* ANY MUNCIE WITH A M65 INPUT GEAR HAS TO USE OUR DEEP MOUNT CASE.  
NOT OUR STANDARD CASE LIKE THE CHANGEOVER WILL CALL FOR.

#### LUBE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
P-PRESSURE LUBE	P-PRESSURE LUBE	P-PRESSURE LUBE	P-PRESSURE LUBE

#### SHIFTER TYPE OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
E	B	H	E



## II. CROSSOVER INFORMATION



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### PTO Crossover - MHS10

#### ASSEMBLY ARRANGEMENT

METARIS	CHELSEA	MUNCIE	PTO
3	5	3	3

#### OUTPUT OPTIONS

METARIS	CHELSEA	MUNCIE	PTO
RA			
RB			
SE	XD	B	SE
SA	XK	K	SA



#### P.T.O. & Pump Information

Transmission Model: \_\_\_\_\_

P.T.O. Mounting Side: LH\_\_\_\_\_ RH\_\_\_\_\_ Bottom\_\_\_\_\_

P.T.O. Mounting Options: Remote\_\_\_\_\_ Direct \_\_\_\_\_

P.T.O. Shifting Options: Cable Shift\_\_\_\_\_ Air Shift\_\_\_\_\_

Duty Application: Dump \_\_\_\_\_Walking Floor\_\_\_\_\_ Tanker\_\_\_\_\_ Other \_\_\_\_\_

P.T.O. Number: \_\_\_\_\_

Air Shift Kit: (For Pump Only)

#### **Hydraulic Tank:**

Hydraulic Tank Options: Side Mount / Upright (Steel / Aluminum / Plastic)

#### **Control Valves:**

Single                      Dual                      Dual                      Control Tower  
                                    W/Kick out              WO/ Kick out              (8"/10"/12")

Additions: Hose Kits

Representative: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

## Wetline Kit Ordering

### PTO + PUMP + TANK = WET-LINE KIT

<b>PTO</b>	
6 Bolt/No Controller/Flange	PTO Mounting
6 Bolt/Single Air/Flange	PTO Mounting
6 Bolt/Dual Air/Flange	PTO Mounting
6 Bolt/Wire/Flange	PTO Mounting
6 Bolt/No Controller/Driveshaft	PTO Mounting
6 Bolt/Single Air/Driveshaft	PTO Mounting
6 Bolt/Wire/Driveshaft	PTO Mounting
8 Bolt/No Controller/Flange	PTO Mounting
8 Bolt/Single Air/Flange	PTO Mounting
8 Bolt/Dual Air/Flange	PTO Mounting
8 Bolt/Wire/Flange	PTO Mounting
8 Bolt/No Controller/Driveshaft	PTO Mounting
8 Bolt/Single Air/Driveshaft	PTO Mounting
8 Bolt/Wire/Driveshaft	PTO Mounting

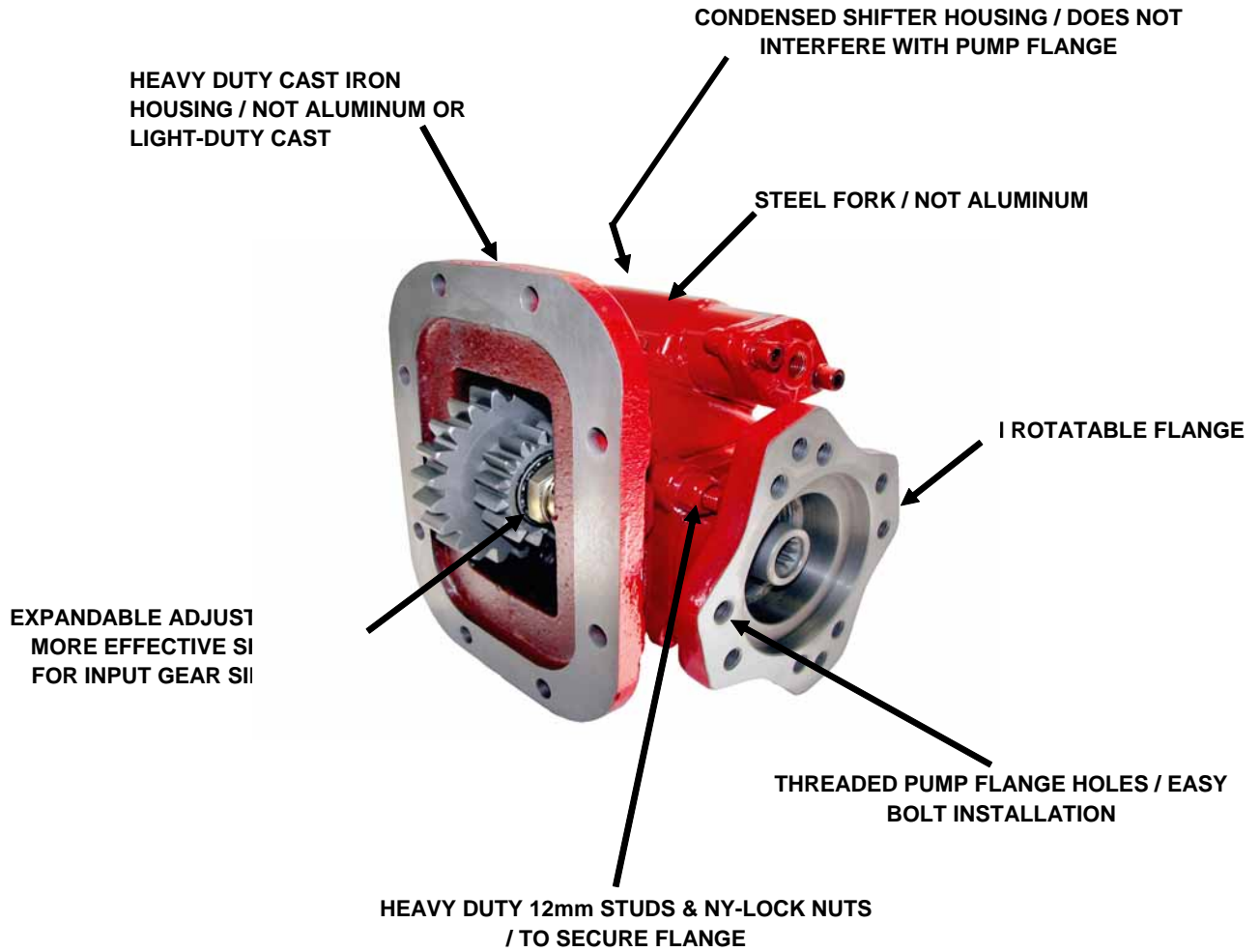
<b>Dump Pumps</b>	
Indirect Mount Dump Pump	Manually Operated
Indirect Mount Dump Pump	Air Operated
Direct Mount Dump Pump	Manually Operated
Direct Mount Dump Pump	Air Operated

<b>Hydraulic Tanks</b>	
50 GAL.	Polyethylene Upright
50 GAL.	Steel Upright
70 GAL.	Steel Upright
50 GAL.	Steel Side Saddle Mount
50 GAL.	Aluminum Upright
70 GAL.	Aluminum Upright
50 GAL.	Aluminum Side Saddle Mount W/Steel Straps
50 GAL.	Aluminum Side Saddle Mount W/ Stainless Straps

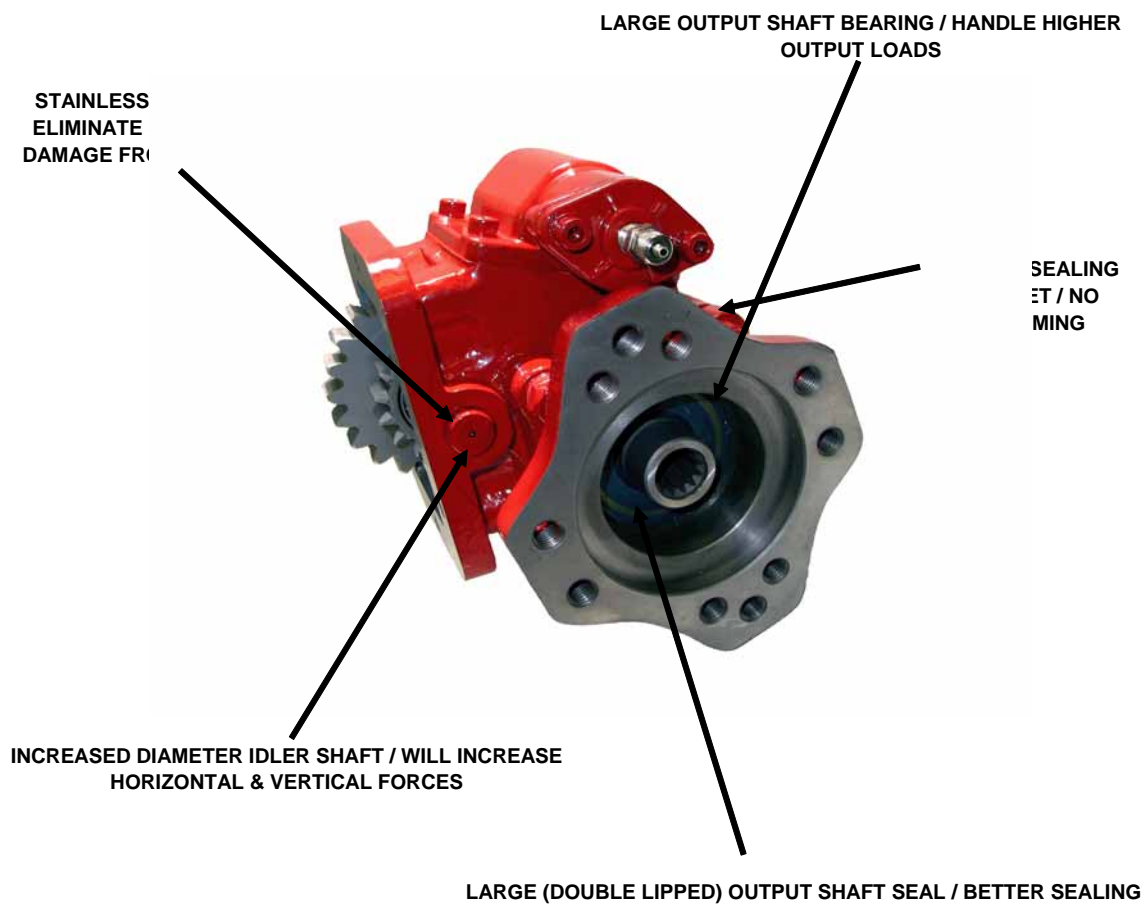
## Wetline Kit Ordering

<b>ADDITIONAL OPTIONS</b>	
<b>Control Towers</b>	
8" Tower	8" Control Tower For Dual Controller
10" Tower	10" Control Tower For Dual Controller
12" Tower	12" Control Tower For Dual Controller
Single Controller Plate	Single Controller Plate For Tower
<b>Hose Kits</b>	
MHK-12-6-2L 2 line system	No Return To Hyd. Tank (Hotter Pump Operation)
MHK-12-12-3L 3 line system	Return Line To Hyd. Tank (Cooler Pump Operation)

**Features & Benefits of our PTO's**



## Features & Benefits of our PTO's



### Features & Benefits of our PTO's



Our housing is heavy duty cast iron. Muncie is aluminum & Chelsea is cast iron. Aluminum will not take the punishment that cast iron will.



We use large tapered bearing on the load side of the output shaft. Chelsea uses smaller bearings on both sides. Muncie uses roller bearings not tapered bearings.



We use a cast iron rotatable flange with a double lip seal. Chelsea & Muncie uses a aluminum flange.

### Features & Benefits of our PTO's



We use 12mm studs to hold our flange on. We also use Ny-Lock nuts. Chelsea uses 3/8 Allen head bolts (much smaller bolt than ours).



We have a steel fork. Will not break when shifting problems occur. Chelsea uses aluminum fork (breaks easy). Muncie uses a steel fork.



We use an expandable nut for adjusting the input gear. This provides a slight pre-load on the bearings for better wear. Chelsea uses shims that take two or three times to install.



### Features & Benefits of our PTO's



We have a idle pin that uses no set screw. It is also thicker than Chelsea's and Muncie's. PTO Ltd. still uses a set screw that falls our and can ruin a transmission by losing all the oil out of it.

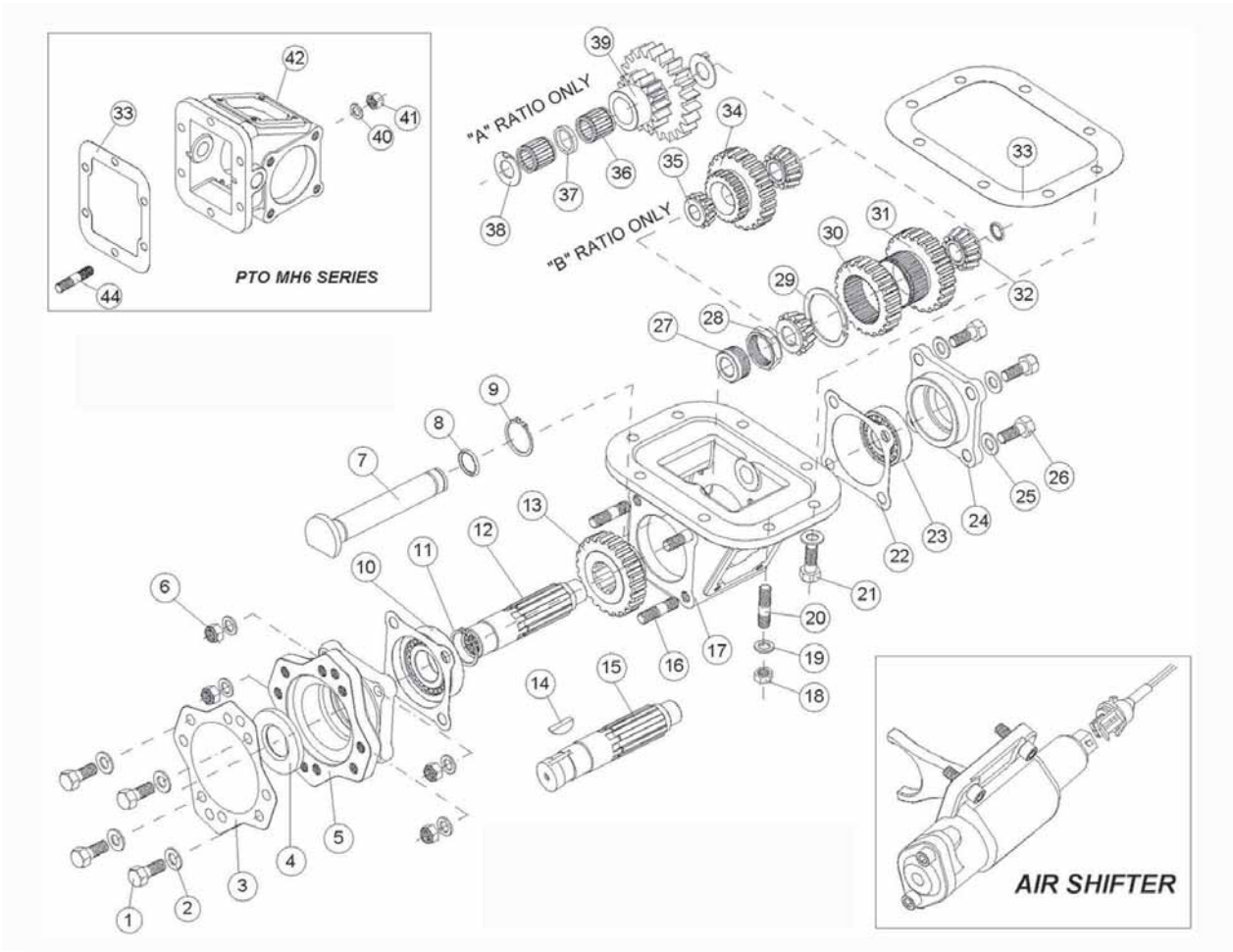


We use 12mm cap screws to attach our end cover. Chelsea uses 3/8 cap screws.



We use Ny-Lock nuts for our flange. We also use a gasket on our output flange. No one else does this.

MH6 / MH8 PTO



MH6 / MH8 PTO

Item	Part Number	Alternate Number	Description	Quantity	
				MH6	MH8
1	MPN600036	MCS-025	Pump To Flange Cap Screw	4	4
2	M4023782132	MWA-012	Pump To Flange Washer	4	4
3	MPN600045	MGA-091	Pump To Flange Gasket	1	1
4	MPN600121	MSE-007	Output Shaft Seal	1	1
5	MPN600044	MFL-911	Output Flange Housing	1	1
5A NS.	MPN600134	MSR-013	Flange Seal Snap Ring	1	1
6	MPN600094	MNU-003	Nylock Flange Nut	4	4
7	MPN600091	MIP-531	Idler Pin	1	1
8	MPN600100	MOR-022	Idler Pin O-Ring	2	2
9	MPN600213	MSR-099	Idler Pin Snap Ring	1	1
10	MPN600115	MRB-004	Output Shaft Bearing	1	1
11	MPN600133	MSR-005	Output Shaft Snap Ring	1	1
12	SEE CHART # 1		Output Shaft	1	1
13	SEE CHART # 2		Output Ratio Gear	1	1
14	MPN600151	MWK-516	Woodruff Key	1	1
15	SEE CHART # 1		Output Shaft	1	1
16	MPN600136	MST-026	Flange Stud	4	4
17	MPN600089	MHS-2000	8 Bolt Housing		1
	MPN600090	MHS-2010	8 Bolt Deep Mount Housing		1
18	MPN600301	MNU-006	Nut For Mounting Stud		2
19	MPN600210	MWA-018	8 Bolt Mounting Washer		8
	MPN600255	MWA-019	8 Bolt Metric Mounting Washer		8
20	MPN600175	MST-084	Std. Stud		2
21	MPN600155	MCS-020	Std. Mount Cap Screw		6
	MPN600157	MCS-029	Deep Mount Cap Screw		8
	MPN600156	MCS-021	Metric Mount Cap Screw		8
22	MPN600048	MGA4015EC	End Cap Cover Gasket	2	2
23	MPN600114	MRB-003	Output Bearing Non-Thrust	1	1
24	MPN600039	MEC-931	Closed End Cover Cap	1	1
24A NS.	MPN600103	MOR-093	Closed End Cover Cap O-Ring	1	1
25	MPN600146	MWA-009	End Cap Washer	8	8
26	MPN600037	MCS-011	End Cover Cap Screw	4	4
27&28	MPN600112	MPN-841&851	Adjusting Bushing& Nut	1	1

# V. PARTS LIST



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## MH6 / MH8 PTO

Item	Part Number	Alternate Number	Description	Quantity	
				MH6	MH8
29	MPN600132	MSR-001	Input Gear Snap Ring	1	1
30	SEE CHART # 2		Input Ratio Gear	1	1
31	SEE CHART #3		Input Gear	1	1
32	MPN600117	MRB-023	Input Gear Bearings	2	2
33	MPN600050	MGA-8010	8 Bolt Mounting Gasket		1
	MPN600051	MGA-8015	8 Bolt Mounting Gasket		1
	MPN600052	MGA-8032	8 Bolt Mounting Gasket		1
34	SEE CHART # 3		"B" Ratio Input Unigear	1	1
35	MPN600118	MRB-035	Input Bearing For "B" Ratio	1	1
36	MPN600190	MRB-005	Input Bearing For "A" Ratio		2
37	MPN600131	MSP-491	Bearing Spacer For "A" Ratio		1
38	MPN600150	MWA-431	Anti-Friction Washer "A" Ratio		2
39	SEE CHART # 3		"A" Ratio Input Unigear		1
40	MPN600162	MWA-020	Mounting Washer	6	
41	MPN600218	MNU-075	Mounting Nuts	6	
42	MPN600005	MHS-1000	6 Bolt Housing	1	
	MPN600006	MHS-1010	6 Bolt Deep Mount Housing	1	
43	MPN600002	MGA-6010	6 Bolt Mounting Gasket	1	
	MPN600003	MGA-6015	6 Bolt Mounting Gasket	1	
	MPN600004	MGA-6032	6 Bolt Mounting Gasket	1	
44	MPN600170	MST-094	6 Bolt Std. Mounting Stud	6	
	MPN600193	MST423-12	6 Bolt Deep Mounting Stud	6	
	MPN600208	MST428-16	6 Bolt Metric Mounting Stud	6	

## Output Shafts

Chart 1

Part Number	Alternate Number	Description	Quantity	
			MH6	MH8
MPN600106	MOS-235	1 1/4" Round Output Shaft	1	1
MPN600107	MOS-791	7/8" 13 Spline Output Shaft	1	1
MPN600108	MOS-861	1" 15 Spline Output Shaft	1	1
MPN100196	MOSG-171	Greasable 7/8" 13 Spline Output Shaft	1	1
MPN100219	MOSG-241	Greasable 1" 15 Spline Output Shaft	1	1

Ratio Gear Sets

Chart 2

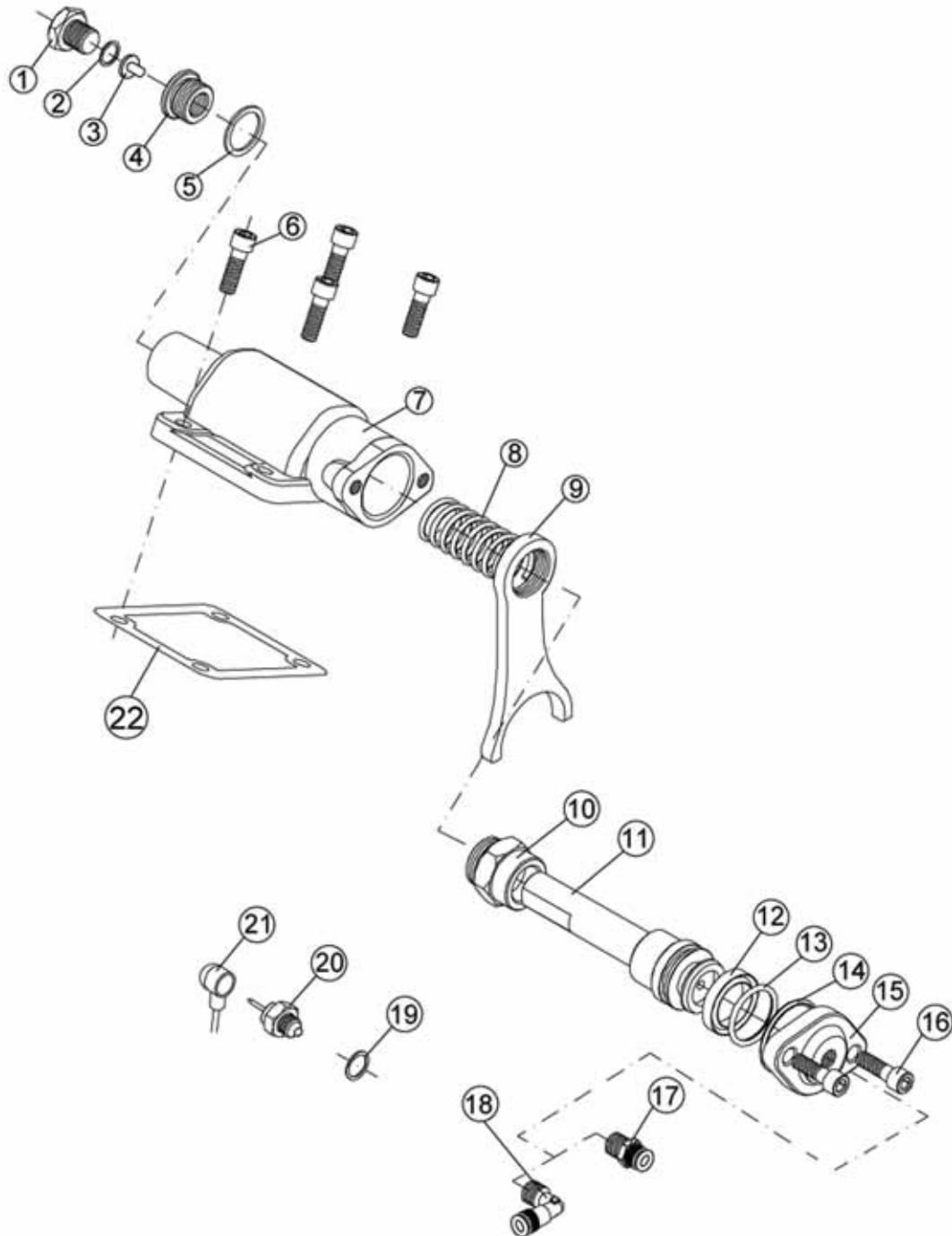
Ratio	Item #30 Input Ratio Gear Metaris #	Alternate # & Tooth Count	Item #13 Output Ratio Gear Metaris #	Alternate # & Tooth Count
RATIO "A" - 01	MPN600084	MR735 (15)	MPN600083	MR734 (30)
RATIO "B" - 01	MPN600078	MR706 (16)	MPN600077	MR705 (29)
RATIO "B" - 24	MPN600085	MR756 (16)	MPN600077	MR705 (29)
RATIO "C"	MPN600069	MR687 (26)	MPN600068	MR686 (19)
RATIO "E"	MPN600054	MR654 (24)	MPN600053	MR653 (21)
RATIO "J"	MPN600056	MR656 (23)	MPN600055	MR655 (22)
RATIO "O"	MPN600058	MR658 (20)	MPN600057	MR657 (25)
RATIO "R"	MPN600080	MR730 (19)	MPN600079	MR729 (26)
RATIO "S"	MPN600082	MR732 (18)	MPN600081	MR731 (27)
RATIO "T"	MPN600060	MR660 (17)	MPN600059	MR659 (28)

## Input Gears

Chart 3

Input Gear	Metaris Part#	Alternate Part #	# of Teeth	Application	Transmission Gear Specs.
01	MPN600061	MR675	22	EATON/FULLER	6/8 PITCH 20° Spur
02	MPN600067	MR683	19	SPICER	5/7 Pitch 20° Spur
05	MPN600063	MR677	21	SPICER	6 Pitch 17.5° PA 26° 10'37"RH Helix
06	MPN600064	MR679	22	SPICER	6.10 Pitch 25° PA 18° 40'48" LH Helix
08	MPN600066	MR682	24	EATON/FULLER	7 Pitch 17.5° PA 28° 4'23" RH Helix
11	MPN600075	MR699	25	SPICER	7.34 Pitch 20° PA 24° RH Helix
17	MPN600065	MR680	22	EATON/FULLER	6.35 Pitch 20° PA 22° RH Helix
18	MPN600328	MR681	19	EATON/FULLER	6.100 Pitch Helix
21	MPN600062	MR676	29	ZED/F	9.96 Pitch 20° PA 28.5° RH Helix
24	MPN600072	MR695	23	MACK	6.48 Pitch 17.65° PA SPUR
27	MPN600070	MR692	40	EATON/FULLER	10.1 Pitch 21.5° PA SPUR
28	MPN600086	MR771	24	EATON/FULLER	7.0 Pitch 23° PA 26° RH Helix
33	MPN600074	MR697	21	SPICER	6 Pitch 17.5° PA 22.25° RH Helix
34	MPN600073	MR696	26	SPICER	7 Pitch 17.5° PA 18° RH Helix
42	MPN600191	MR66	24	FULLER	6.65 Pitch 20° PA 21.5° RH
50	MPN600071	MR694	26	ZED/F	9.23 Pitch 20° PA 36° RH Helix
52	MPN600076	MR700	34	ZED/F	9.96 Pitch 20° PA 28.5° RH Helix
60	MPN600192	MR60	24	ALLISON	6 Pitch 20° Spur, Full Addendum

MH6 / MH8 Series  
Air Shift



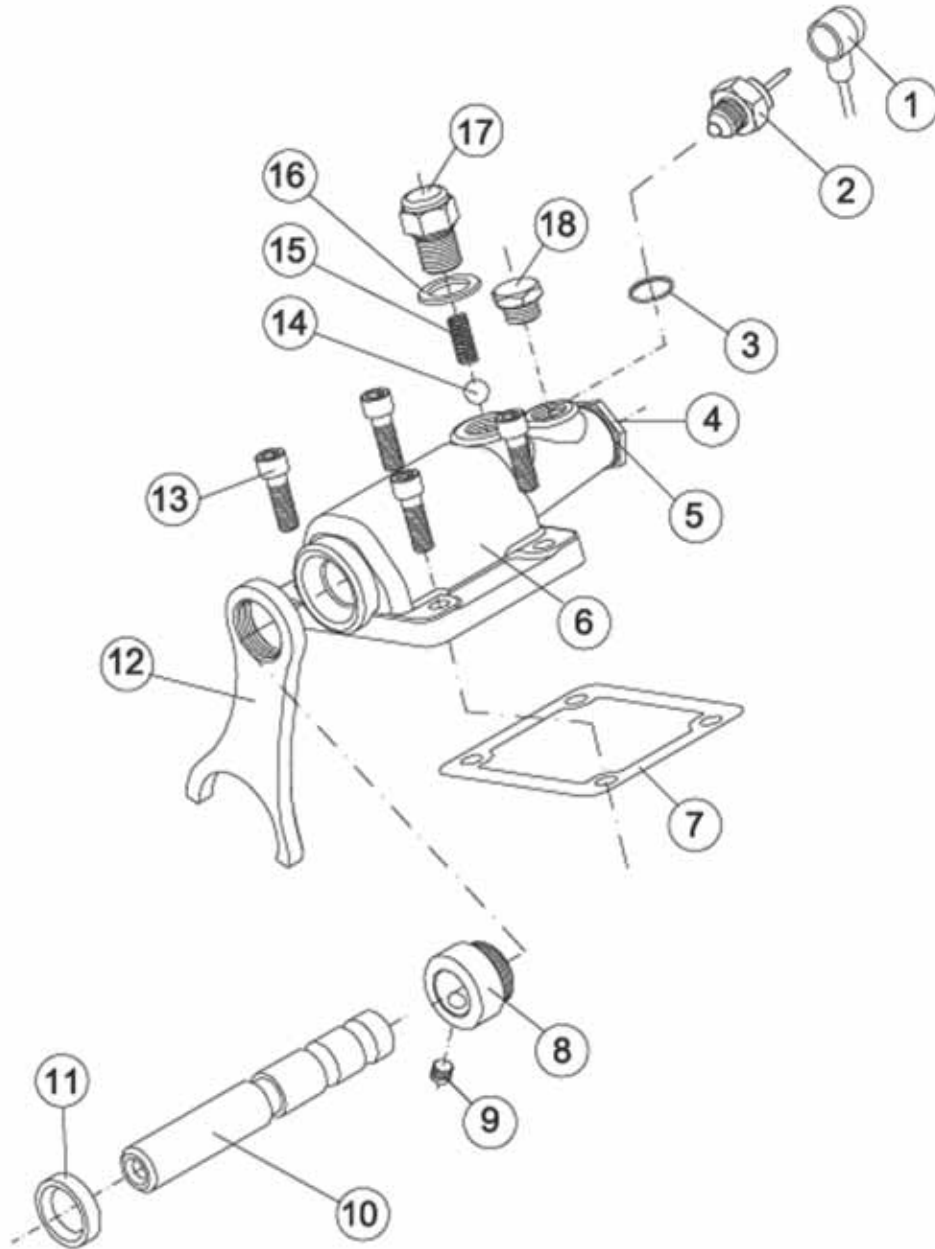


**MH6 / MH8 Series  
Air Shift**

Item	Part Number	Alternate Number	Description	Quantity
1	MPN600013	MAP-002	End Plug	1
2	MPN600142	MWA-002	Washer	1
3	MPN600212	MAP-145	Sensor Pin	1
4	MPN600180	MAP-144	Sensor Adapter Plug	1
5	MPN600143	MWA-003	Washer	1
6	MPN600019	MAS-009	Shifter Cap Allen Screw	4
7	MPN600128	MSH-371	Air Shifter Top Housing	1
8	MPN600129	MSP-056	Spring for Piston	1
9	MPN600124	MSF-631	Shifter Fork	1
10	MPN600025	MBU-321	Fork Spacer	1
11	MPN600120	MSB-251	Piston	1
12	MPN600024	MBU-009	Rubber Seal	1
13	MPN600102	MOR-045	O'Ring	1
14	MPN600101	MOR-029	Piston Cap O'Ring	1
15	MPN600110	MPC-701	Piston Cap	1
16	MPN600018	MAS-008	Piston Cap Screws	2
17	MPN600041	MFI-216-S	180° Quick Connect Air Fitting	1
18	MPN600040	MFI-216-E	90° Quick Connect Air Fitting	1
19	MPN600181	MOR-090	Sensor O'Ring	1
20	MPN600334	MSW-003	Sending Sensor Unit	1
21	MPN600333	MSWK-699	Sensor Wiring Harness	1
22	MPN600049	MGA4015-SC	Shifter Mounting Gasket	1

<b>Total Air Shifter Assemblies</b>				
	MPN600010	M902299	1 & 4 Position	1
	MPN600012	M903899	2 & 3 Position	1

MH6 / MH8 Series  
Mechanical Shift

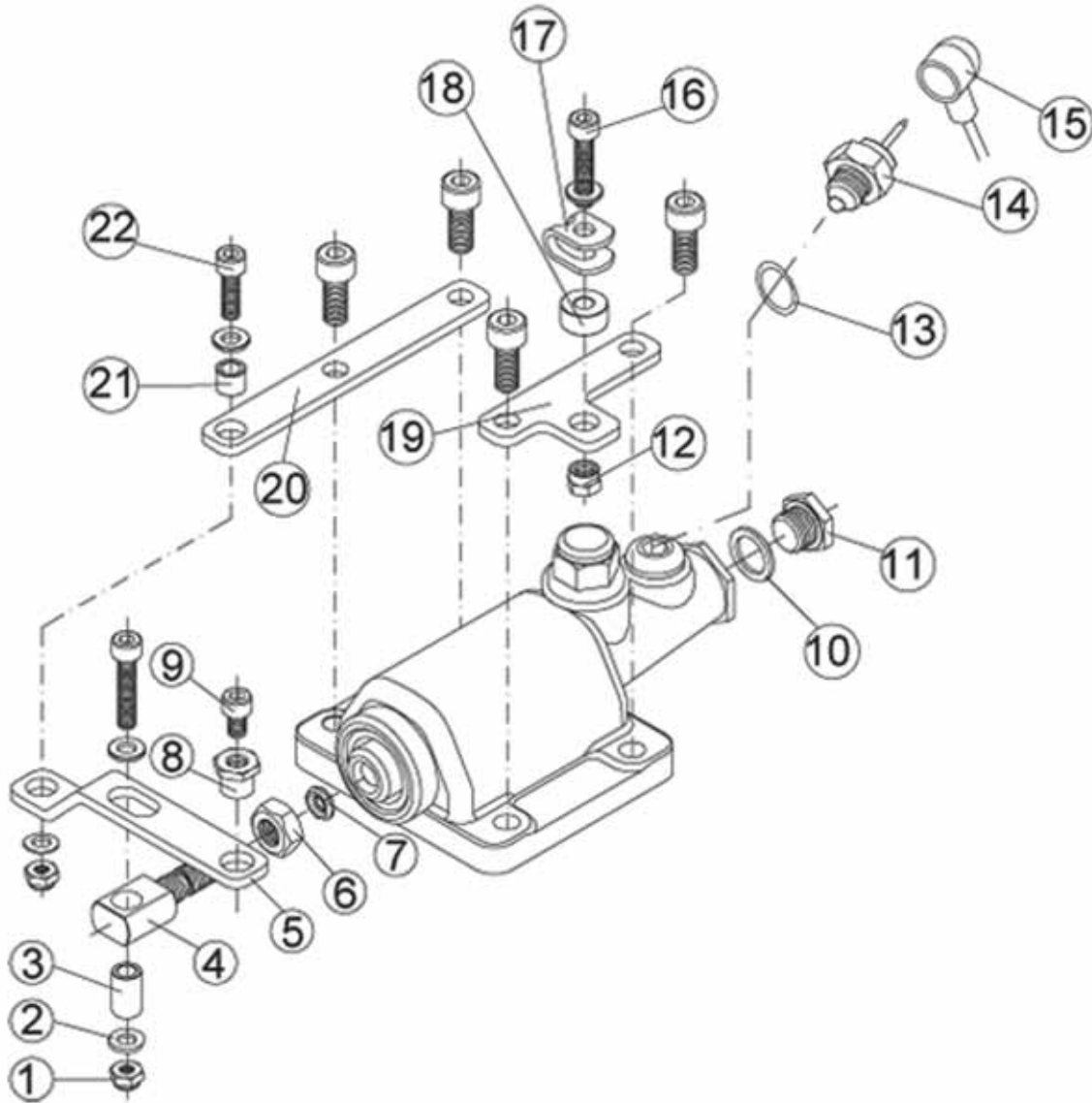


**MH6 / MH8 Series  
Mechanical Shift**

Item	Part Number	Alternate Number	Description	Quantity
1	MPN600333	MSWK-699	Sensor Wiring Harness	1
2	MPN600334	MSW-003	Sending Sensor Unit	1
3	MPN600181	MOR-090	Sensor O'ring	1
4	MPN600015	MAP-131	Plug	1
5	MPN600143	MWA-003	Aluminum Washer	1
6	MPN600127	MSH391	Shifter Housing	1
7	MPN600049	MGA4015-SC	Shifter Mounting Gasket	1
8	MPN600029	MBU-981	Fork Bushing	1
9	MPN600135	MSS-005	Set Screw	1
10	MPN600119	MSB-072	Shifting Shaft	1
11	MPN600123	MSE-017	Shaft Seal	1
12	MPN600124	MSF-931	Shifter Fork	1
13	MPN600019	MAS-009	Shifter Housing Bolts	4
14	MPN600109	MPB-001	Poppet Ball	1
15	MPN600128	MSP-019	Poppet Spring	1
16	MPN600147	MWA-010	Aluminum Washer	1
17	MPN600034	MCP-151	Poppet Cap	1
18	MPN600033	MCP-022	Switch Plug	1

<b>Total Mechanical Shifter Assemblies</b>				
	MPN600009	M902099	1 & 4 Position	1
	MPN600011	M903599	2 & 3 Position	1

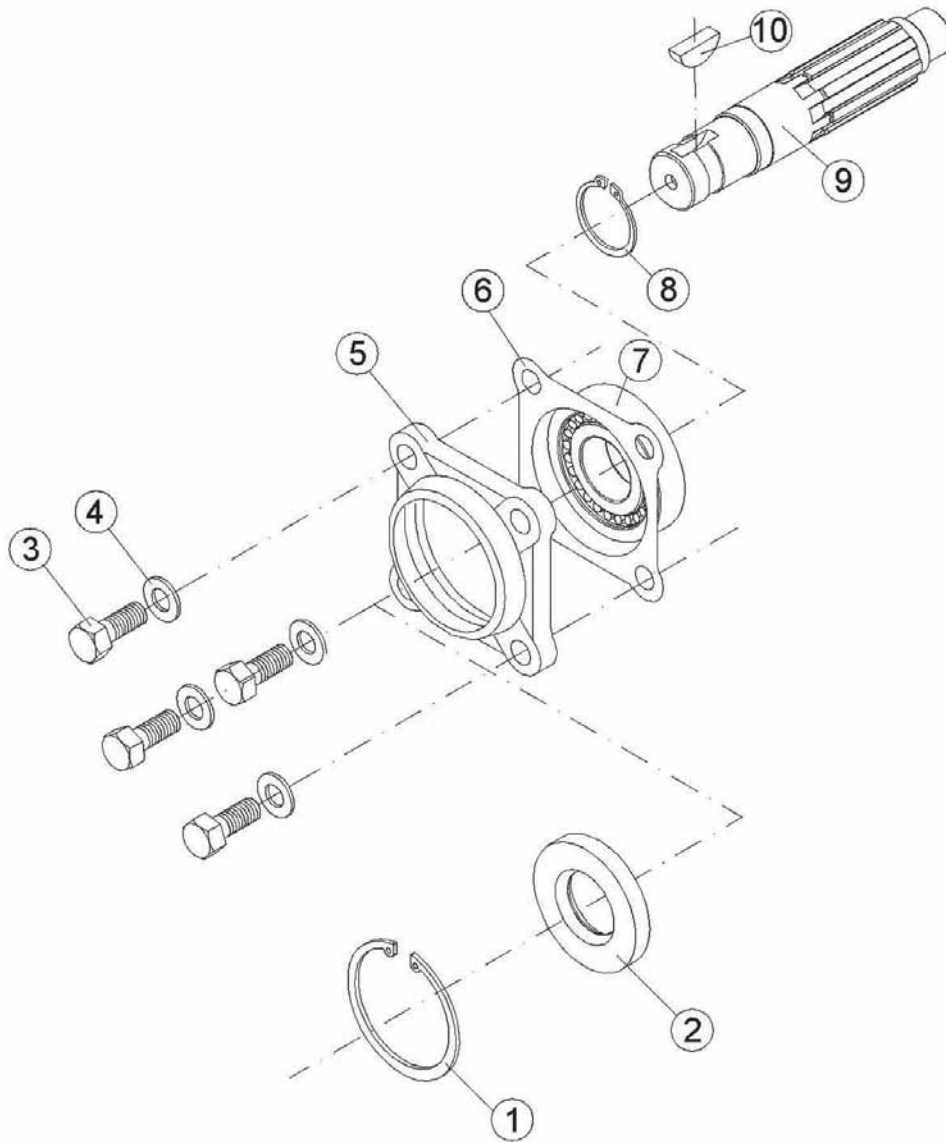
MH6 / MH8 Series  
Wire Shifter



MH6 / MH8 Series  
Wire Shifter

Item	Part Number	Alternate Number	Description	Quantity
1	MPN600096	MNU-008	Nylock Nut	2
2	MPN600144	MWA-004	Washer	5
3	MPN600027	MBU-611	Bushing	1
4	MPN600130	MSP-131	Rod Spacer	1
5	MPN600093	MLV-341	Lever	1
6	MPN600095	MNU-004	Jam Nut	1
7	MPN600104	MOR-122	O-Ring	1
8	MPN600098	MNU-491	Clamping Nut For Wire	1
9	MPN600021	MAS-099	Allen Head Screw	1
10	MPN600149	MWA-016	Aluminum Washer	1
11	MPN600111	MPL-025	Plug	1
12	MPN600097	MNU-481	Wire Clip Nut	1
13	MPN600181	MOR-090	Sending Unit O-Ring	1
14	MPN600334	MSW-003	Sending Sensor Unit	1
15	MPN600333	MSWK-699	Sensor Wiring Harness	1
16	MPN600017	MAS-004	Allen Head Screw	1
17	MPN600031	MCC-471	Wire Holding Clip	1
18	MPN600028	MBU-761	Bushing	1
19	MPN600030	MCB-331	Cable Bracket	1
20	MPN600092	MLV-321	Lever Bracket	1
21	MPN600026	MBU-601	Bushing	1
22	MPN600016	MAS-003	Allen Head Screw	1
<b>Total Wire Assembly Kit</b>				
	MPN600217	M9013799	Wire Kit Assembly	1

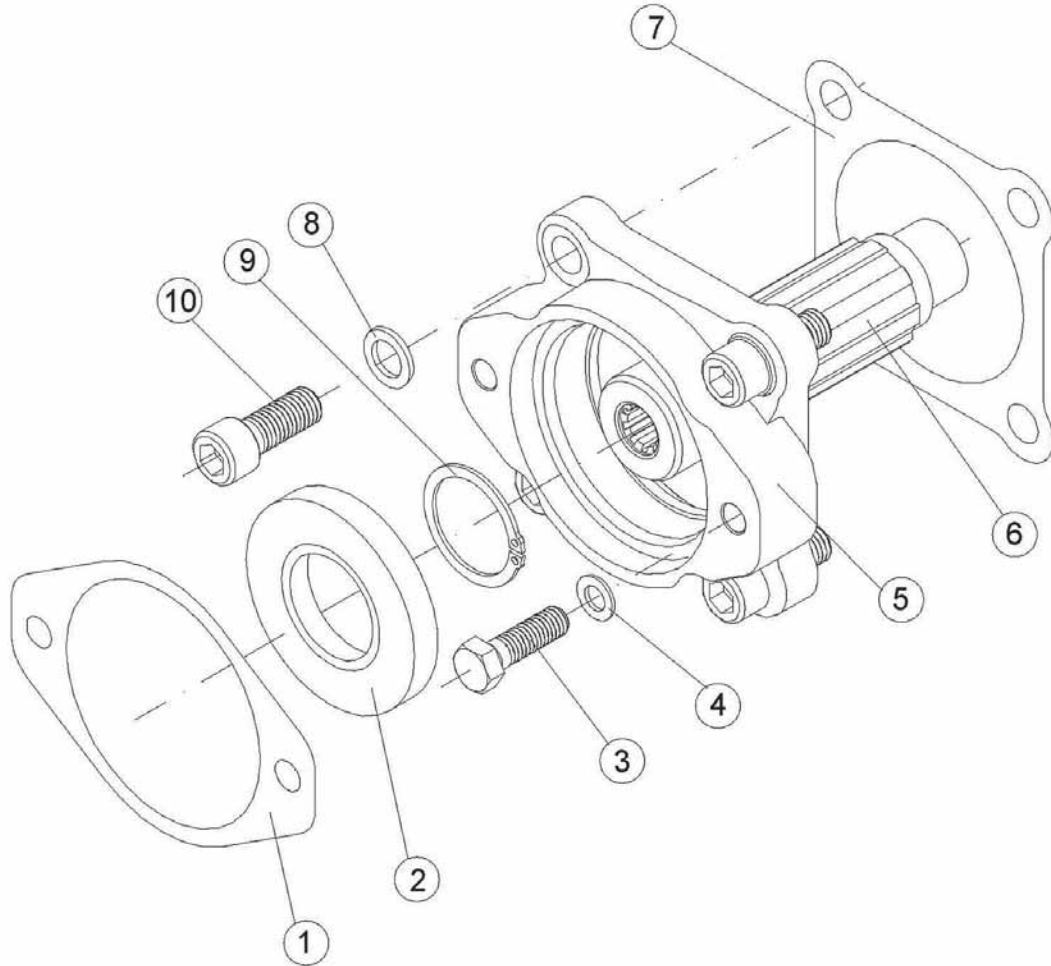
MH6 / MH8 Series  
1 1/4" Round Shaft



**MH6 / MH8 Series**  
**1 1/4" Round Output Shaft**

Item	Part Number	Alternate Number	Description	Quantity
1	MPN600134	MSR-013	Snap Ring	1
2	MPN600121	MSE-007	Output Shaft Seal	1
3	MPN600037	MCS-011-1	Open End Cap Bolt	4
4	MPN600148	MWA-009	Washer	4
5	MPN600099	MOC-662	Open End Cap	1
6	MPN600048	MGA4015EC	Gasket	1
7	MPN600115	MRB-004	Output Shaft Bearing	1
8	MPN600133	MSR-005	Output Shaft Snap Ring	1
9	MPN600106	MOS-235	Output Shaft	1
10	MPN600151	MWK-516	5/16" Woodruff Key	1

**"SF" Flange 5/8" 9 Spline  
SAE "A" 2 Bolt**

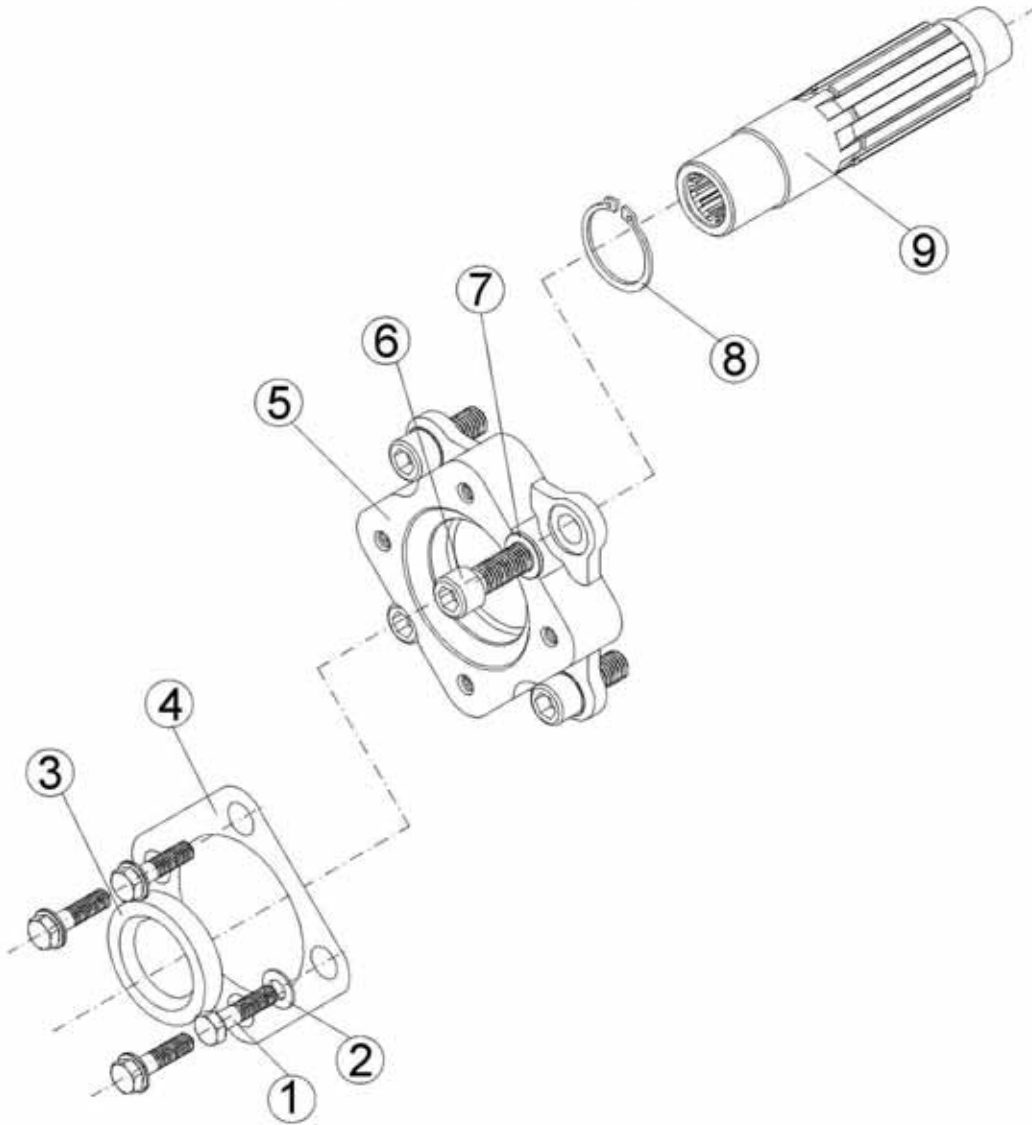




MH6 / MH8 Series  
5/8" 9 Spline Output Flange

Item	Part Number	Alternate Number	Description	Quantity
1	MPN600047	MGA-291	Pump To Flange Gasket	1
2	MPN600121	MSE-007	Output Shaft Seal	1
3	MPN600037	MCS-035	Pump To Flange Mounting Bolt	2
4	MPN600141	MWA-001	Washer	2
5	MPN600042	MFL-451	Flange Housing	1
6	MPN600105	MOS-071	Output Shaft	1
7	MPN600048	MGA4015EC	Flange Gasket	1
8	MPN600148	MWA-009	Washer	4
9	MPN600133	MSR-005	Output Shaft Snap Ring	1
10	MPN600020	MAS-030	Flange Mounting Allen Head Bolt	4

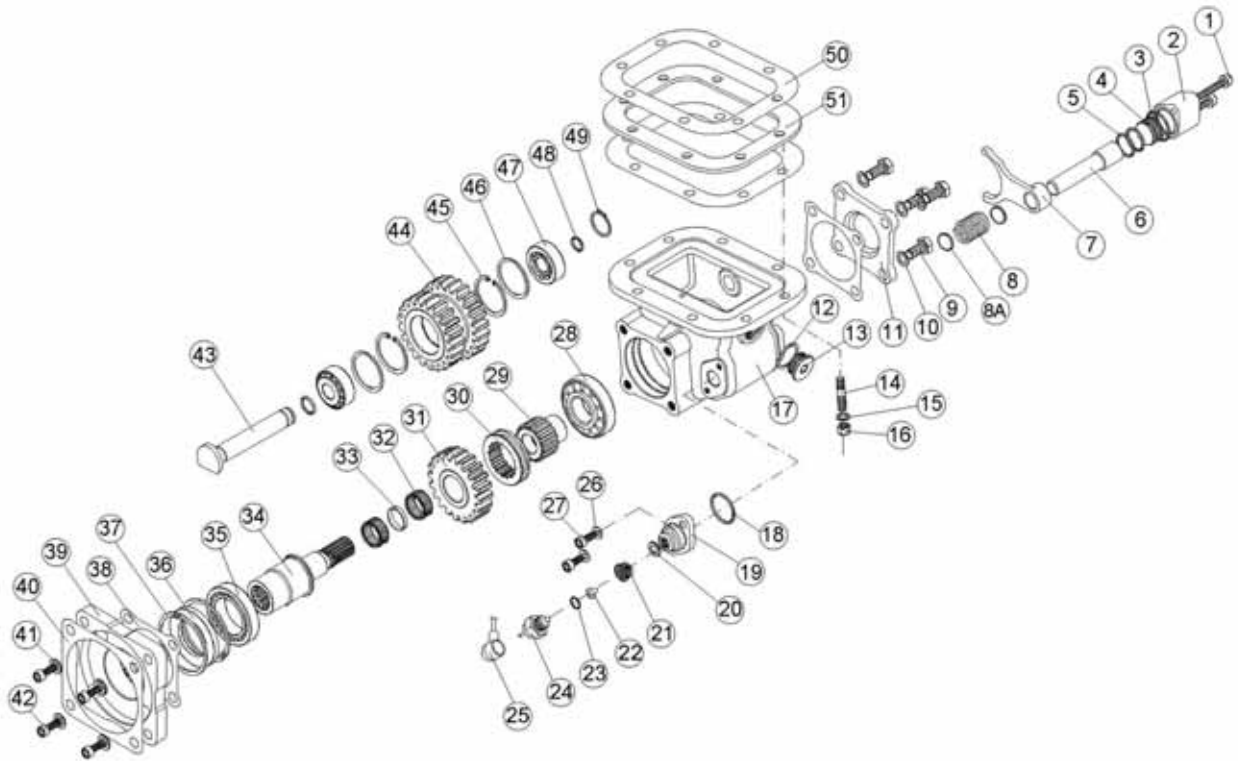
**"TP" Flange 7/8" 13 Spline  
for Chelsea Pumps**



**MH6 / MH8 Series  
Tyrone (TP) 7/8" 13 Spline Output Flange**

Item	Part Number	Alternate Number	Description	Quantity
1	MPN600152	MAS-042	Pump To Flange Cap Screw	4
2	MPN600145	MWA-005	Pump To Flange Washer	4
3	MPN600122	MSE-016	Output Shaft Seal	1
4	MPN600046	MGA-130	Pump To Flange Gasket	1
5	MPN600043	MFL-491	Flange Housing	1
6	MPN600020	MAS-030	Flange Cap Screw	4
7	MPN600148	MWA-009	Flange Washer	4
8	MPN600133	MSR-005	Output Shaft Snap Ring	1
9	MPN600160	MOS-091	Output Shaft	1

MHD8 Series  
SAE "C" 4 Bolt



MHD8 Series

Item	Part Number	Alternate Number	Description	Quantity
				MHD8
1	MPN600290	MAS-087	Allen Head Bolt	2
2	MPN600275	MPC-573	Piston Carrier Cover	1
3	MPN600273	MOR-004	O-Ring (Viton)	1
4	MPN600276	MPI-531	Shifter Piston	1
5	MPN600274	MOR-005	O-Ring (Viton)	2
6	MPN600280	MSB-431	Shifter Shaft	1
7	MPN600300	MSF434	Shifter Fork	1
8	MPN600284	MSP-031	Shifter Shaft Spring	1
8A	MPN600281	MSH-011	Shim For Shaft Spring	2
9	MPN600035	MCS-011	End Cover Cap Screw	4
10	MPN600148	MWA-009	Washer	4
11	MPN600272	MEC-711	End Cap	1
12	MPN600288	MWA-013	Sealing Washer	1
13	MPN600277	MPL-731	Backlash Plug	1
14	MPN600175	MST-084	Standard Mounting Stud	8
	MPN600157	MCS-029	Deep Mount Mounting Cap Screw	8
	MPN600156	MCS-021	Metric Mounting Cap Screw	8
15	MPN600210	MWA-018	Mounting Washer	8
	MPN600255	MWA-019	Metric Mounting Washer	8
16	MPN600301	MNU-006	Mounting Top Lock Nut	8
17	MPN600261	MHS-633	Hd8 Housing	1
18	MPN600101	MOR-029	O-Ring (Viton)	1
19	MPN600320	MEC-581	Sending Unit Cover	1
20	MPN600142	MWA-002	Sealing Washer	1
21	MPN600211	MAP-144	Sensor Adapter	1
22	MPN600212	MAP-145	Sensor Pin	1
23	MPN600181	MOR-090	O-Ring	1
24	MPN600334	MSW-003	Sending Unit Single Pole	1
25	MPN600333	MSWK-699	Wiring Harness Single Pole	1
26	MPN600145	MWA-005	Washer	2
27	MPN600018	MAS-008	Allen Head Bolt	2
28	MPN600115	MRB-004	Non-Load Side Bearing	1
29	MPN600260	MGB-901	Gear Bushing	1

MHD8 Series- cont'd.

Item	Part Number	Alternate Number	Description	Quantity
				MHD8
30	MPN600259	MCC-321	Clutch Collar	1
31		SEE CHART #1	Output Ratio Gear	1
32	MPN600278	MRB-011	Needle Bearings	2
33	MPN600289	MWA-452	Anti-Friction Spacer	1
34		SEE CHART # 2	Output Shaft	1
35	MPN600279	MRB-021	Output Shaft Load Bearing	1
36	MPN600291	MSE-013	Output Shaft Seal	1
37	MPN600287	MSR-015	Output Shaft Seal Snap Ring	2
38	MPN600189	MGA-4015EC	End Cover Gasket	2
39	MPN600318	MFL-191	Output Flange	1
40	MPN600323	MGA-129	Flange Gasket	1
41	PEELER	MWA-008	Washer	4
42	MPN600308	MAS-061	Flange Allen Head Bolts	4
43	MPN600091	MIP-531	Idler Pin	1
44		SEE CHART #1	Input Double Upper Gear	1
45	MPN600286	MSR-007	Input Gear Snap Ring	2
46	MPN600282	MSH-051	Input Bearing Shims	2
47	MPN600117	MRB-023	Input Gear Bearings	2
48	MPN600100	MOR-022	Idler Pin O-Rings	2
49	MPN600213	MSR-099	Idler Pin Snap Ring	1
50	MPN600050	MGA-8010	8 Bolt Mounting Gasket .010	2
	MPN600051	MGA-8015	8 Bolt Mounting Gasket .015	2
	MPN600052	MGA-8032	8 Bolt Mounting Gasket .032	2
51	MPN600285	MSP-082	Mounting Spacer	1

MHD8 Outputs Shafts

Chart #2

Part Number	Alternate Number	Description	Quantity
			MHD8
MPN600257	MOS-456	1 1/4" Round Output Shaft with 1 1/8" X 5/16" Key (Key # MPN600283 or MWK-516)	1
MPN600319	MOS-521	1 1/4" 14 Spline Output Shaft	1
MPN100193	MOS-621	1410 Spicer Flange	1

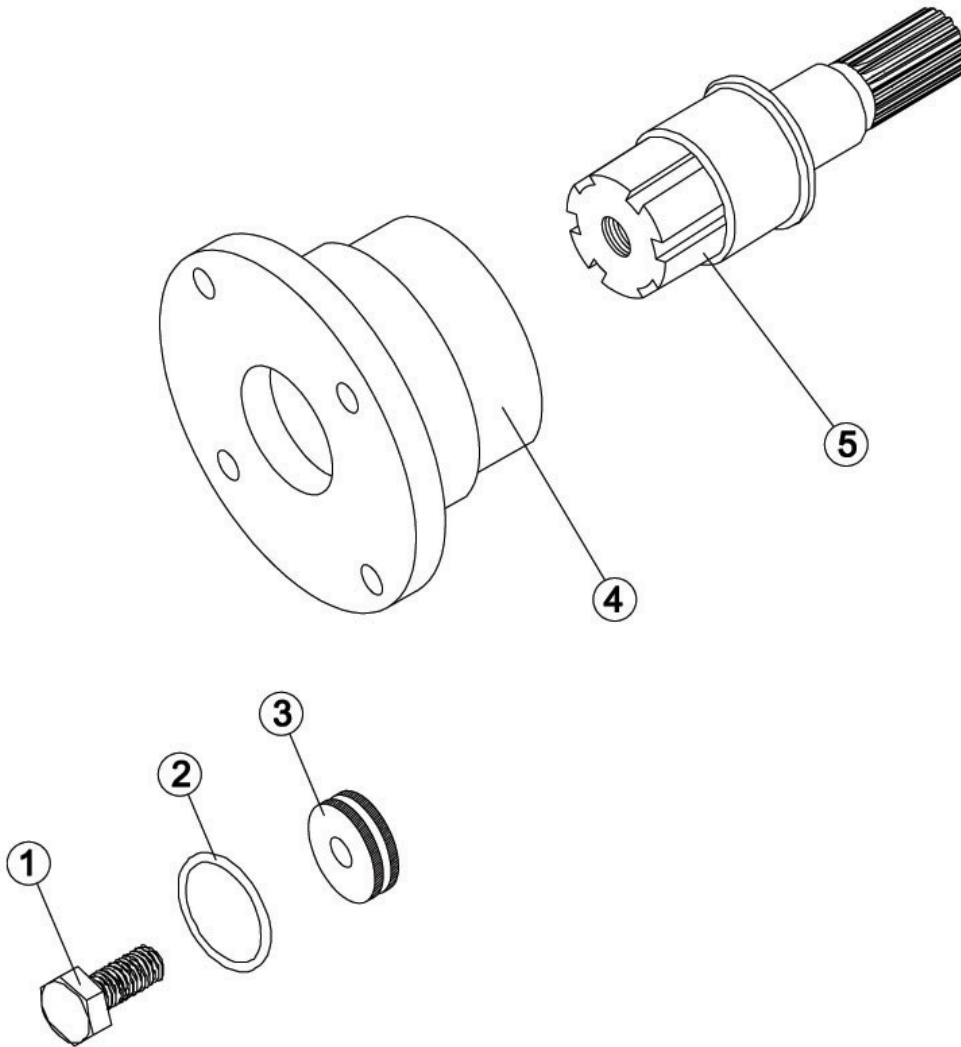
MHD8 PTO Ratio Gear Sets

Chart #1

Large Input & Ratio Gear					
Ratio	Item #44 Small Input Ratio Gear Metaris #	Alternate # & Tooth Count	Item #44 Large Input Gear Tooth Count	Item #31 Output Ratio Gear Metaris #	Alternate # & Tooth Count
RATIO "B" - 01	MPN600313	MR-782 (15T)	(23T)	MPN600315	MR-783 (26T)
RATIO "C" - 01	MPN600541	MR-784 (17T)	(23T)	MPN600540	MR-785 (24T)
RATIO "E" - 01	MPN600256	MR-577 (19T)	(23T)	MPN600258	MR-578 (22T)
RATIO "E" - 24	MPN600317	MR-614 (19T)	(25T)	MPN600258	MR-578 (22T)
RATIO "J" - 01	MPN600314	MR-786 (21T)	(23T)	MPN600316	MR-787 (20T)
RATIO "O" - 01	MPN100192	MR-791 (23T)	(23T)	MPN100191	MR-792 (18T)



# MHD8 IC 1410 Flange



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## MHD8 IC 1410 Flange Output

Item	Materis Part #	Alternate Number	Description	Quantity
1	MPN600037	MCS-011	Capscrew	1
2	MPN600101	MOR-029	O-Ring	1
3	MPN100195	MWA-195	Washer	1
4	MPN100194	MFL-194	Flange	1
5	MPN100193	MOS621	Output Shaft	1

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-001X (RA - FLANGE) (MPN600227)

"RA" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600044	MFL-911	Rotatable Flange
1	MPN600134	MSR-013	Flange Seal Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600045	MGA-091	Flange Gasket
1	MPN600107	MOS-791	7/8" 13 Spline Output Shaft
1	MPN600133	MSR-005	Output Shaft Snap Ring
4	MPN600146	MWA-009	End Cap Washer
4	MPN600094	MNU-003	Nylock Nuts
4	MPN600136	MST-026	Flange Studs
4	MPN600148	MWA-012	Pump To Flange Washers

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-002X (SE - 1 1/4" RD. SHAFT) (MPN600231)

"SE" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600099	MOC-662	Open End Cover
1	MPN600121	MSE-007	Output Shaft Seal
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600134	MSR-013	Open End Cap Snap Ring
1	MPN600106	MOS-235	1 1/4" Output Shaft
4	MPN600035	MCS-011	End Cover Cap Screws
4	MPN600148	MWA-009	End Cap Washers
1	MPN600151	MWK-516	5/16" Woodruff Key

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-003X (RB - FLANGE) (MPN600229)

"RB" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600044	MFL-911	Rotatable Flange
1	MPN600134	MSR-013	Flange Seal Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600045	MGA-091	Flange Gasket
1	MPN600108	MOS-861	1" 15 Spline Output Shaft
1	MPN600133	MSR-005	Output Shaft Snap Ring
4	MPN600146	MWA-009	End Cap Washer
4	MPN600094	MNU-003	Nylock Nuts
4	MPN600136	MST-026	Flange Studs
4	MPN600148	MWA-012	Pump To Flange Washers
4	MPN600036	MCS-025	Pump To Flange Cap Screws

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-004X ("TP" TYRONE - FLANGE) (MPN600230)

#### "TP" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600160	MOS-091	7/8" 13 Spline "TP" Output Shaft
1	MPN600133	MSR-005	Output Shaft Snap Ring
4	MPN600146	MWA-009	End Cap Aluminum Washer
4	MPN600020	MAS-030	Allen Head Screw M12x30
1	MPN600043	MFL-491	Tyrone Flange Housing
1	MPN600046	MGA-130	Flange To Pump Gasket
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600122	MSE-016	"TP" Flange Output Seal
4	MPN600152	MAS-042	Cap Screws 5/16 Unc X 30
4	MPN600145	MWA-005	Pump To Flange Washer 9.9

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-005X (CONSTANT MESH KIT) (MPN600032)

#### Constant Mesh Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600153	MCM-399	Constant Mesh Cover
1	MPN600001	MBU-211	Constant Mesh Bushing Large
1	MPN600000	MBU-221	Constant Mesh Bushing Small
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
4	MPN600019	MAS-009	Allen Screw Shifter Cover

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-006X (SF CONVERSION KIT) (MPN600224)

"SF" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
4	MPN600020	MAS-030	Allen Head Screw M12x30
1	MPN600133	MSR-005	Output Shaft Snap Ring
4	MPN600146	MWA-009	End Cap Aluminum Washer
1	MPN600042	MFL-451	"SF" Flange Housing
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600105	MOS-071	5/8" 9 Spline Output Shaft
2	MPN600141	MWA-001	Flange Washer
2	MPN600037	MCS-035	Pump To Flange Cap Screw
1	MPN600121	MSE-007	Output Shaft Seal
1	MPN600047	MGA-291	Flange Gasket



## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-007X (7/8 - 13 SPLINE) (Greaseable Shaft Conversion Kit) (MPN600544)

"Greaseable Shaft" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN100078	MECG-931	Greasable End Cover
1	MPN600103	MOR-093	End Cap O-Ring
1	MPN600504	MSE-004	Greasable End Cover Seal
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN100196	MOSG-171	7/8" 13 Spline Greasable Shaft w/ Grease Fitting
4	MPN600035	MCS-011	End Cover Cap Screws
4	MPN600148	MWA-009	End Cap Washers

## VI. FLANGE CONVERSION KITS



January 1, 2007  
Rev: 12/28/07

### MCK-008X (1" - 15 SPLINE) (Greaseable Shaft Conversion Kit) (MPN600545)

"Greaseable Shaft" Conversion for MH6 & MH8 Series

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN100078	MECG-931	Greasable End Cover
1	MPN600103	MOR-093	End Cap O-Ring
1	MPN600504	MSE-004	Greasable End Cover Seal
1	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN100219	MOSG-241	1" 15 Spline Greasable Shaft w/ Grease Fitting
4	MPN600035	MCS-011	End Cover Cap Screws
4	MPN600148	MWA-009	End Cap Washers

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-001X (SEAL KIT) (MPN600264)

"RA" & "RB" Output for MH6 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600045	MGA-091	Flange Gasket
1	MPN600103	MOR-093	End Cap O-Ring
1	MPN600002	MGA-6010	.010" Mounting Gasket
1	MPN600003	MGA-6015	.015" Mounting Gasket
1	MPN600004	MGA-6032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-002X (SEAL KIT) (MPN600265)

"SE" Output for MH6 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
1	MPN600103	MOR-093	End Cap O-Ring
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600151	MWK-516	5/16" Key
1	MPN600002	MGA-6010	.010" Mounting Gasket
1	MPN600003	MGA-6015	.015" Mounting Gasket
1	MPN600004	MGA-6032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-003X (SEAL KIT) (MPN600267)

"TP" Output for MH6 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600122	MSE-016	Output Shaft Seal
1	MPN600103	MOR-093	End Cap O-Ring
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600046	MGA-130	Flange To Pump Gasket
1	MPN600002	MGA-6010	.010" Mounting Gasket
1	MPN600003	MGA-6015	.015" Mounting Gasket
1	MPN600004	MGA-6032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-004X (SEAL KIT) (MPN600266)

"SF" Output for MH6 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
1	MPN600103	MOR-093	End Cap O-Ring
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600047	MGA-291	Flange To Pump Gasket
1	MPN600002	MGA-6010	.010" Mounting Gasket
1	MPN600003	MGA-6015	.015" Mounting Gasket
1	MPN600004	MGA-6032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-005X (SEAL KIT) (MPN600268)

"RA" & "RB" Output for MH8 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600045	MGA-091	Flange Gasket
1	MPN600050	MGA-8010	.010" Mounting Gasket
1	MPN600051	MGA-8015	.015" Mounting Gasket
1	MPN600052	MGA-8032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-006X (SEAL KIT) (MPN600269)

"SE" Output for MH8 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	IDLER PIN SNAP RING
1	MPN600121	MSE-007	OUTPUT SHAFT SEAL
2	MPN600100	MOR-022	IDLER PIN O-RING
2	MPN600048	MGA-4015EC	END COVER GASKET
1	MPN600049	MGA-4015SC	SHIFTER COVER GASKET
1	MPN600151	MWK-516	5/16" KEY
1	MPN600050	MGA-8010	.010" MOUNTING GASKET
1	MPN600051	MGA-8015	.015" MOUNTING GASKET
1	MPN600052	MGA-8032	.032" MOUNTING GASKET



## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-007X (SEAL KIT) (MPN600270)

"SF" Output for MH8 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600121	MSE-007	Output Shaft Seal
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600047	MGA-291	Flange To Pump Gasket
1	MPN600050	MGA-8010	.010" Mounting Gasket
1	MPN600051	MGA-8015	.015" Mounting Gasket
1	MPN600052	MGA-8032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-008X (SEAL KIT) (MPN600271)

"TP" Output for MH8 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600122	MSE-016	Output Shaft Seal
1	MPN600103	MOR-093	End Cap O-Ring
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600049	MGA-4015SC	Shifter Cover Gasket
1	MPN600046	MGA-130	Flange To Pump Gasket
1	MPN600050	MGA-8010	.010" Mounting Gasket
1	MPN600051	MGA-8015	.015" Mounting Gasket
1	MPN600052	MGA-8032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-009X (SEAL KIT) (MPN600526)

"RJ" Output for MHD8 Model

QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600273	MOR-004	O-Ring (Viton)
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600274	MOR-005	O-Ring (Viton)
1	MPN600101	MOR-029	O-Ring (Viton)
1	MPN600181	MOR-090	O-Ring
1	MPN600323	MGA-129	Flange Gasket
1	MPN600291	MSE-013	Output Shaft Seal
1	MPN600050	MGA-8010	.010" Mounting Gasket
1	MPN600051	MGA-8015	.015" Mounting Gasket
1	MPN600052	MGA-8032	.032" Mounting Gasket

## VII. SEAL KITS



January 1, 2007  
Rev: 12/28/07

### MSK-0010X (SEAL KIT) (MPN600527)

"SE" Output for MHD8 Model

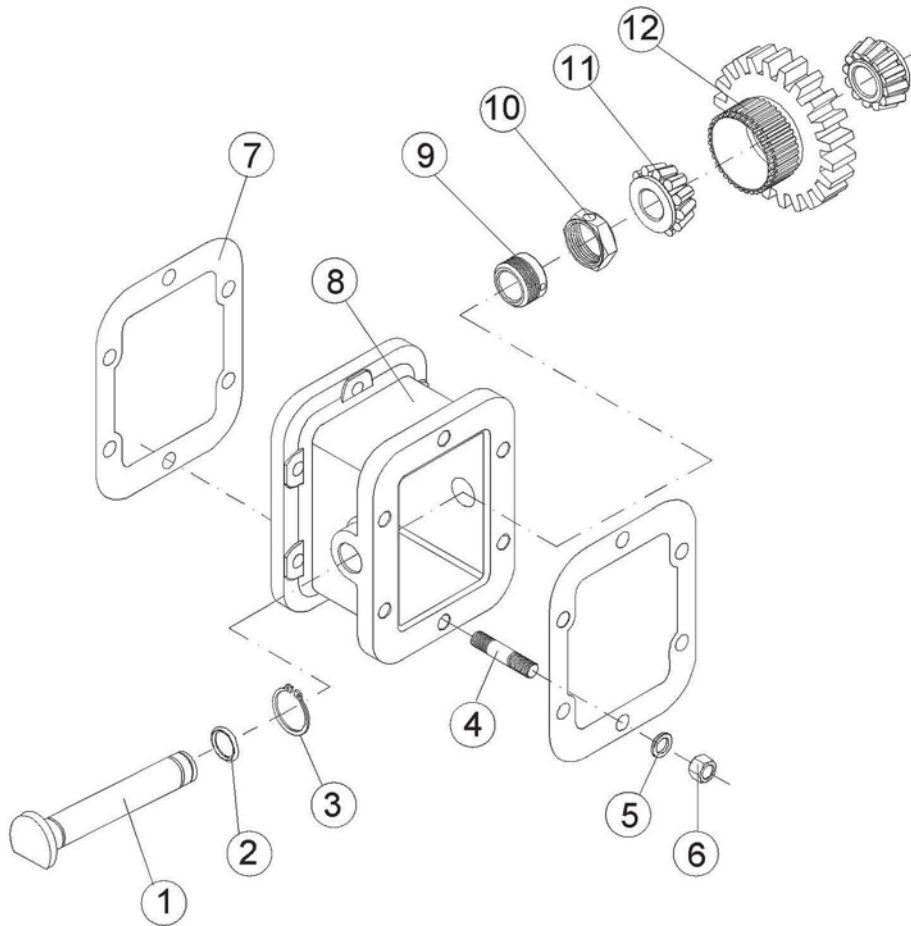
QUAN.	METARIS PART #	ALTERNATE PART #	DESCRIPTION
1	MPN600213	MSR-099	Idler Pin Snap Ring
1	MPN600273	MOR-004	O-Ring (Viton)
2	MPN600100	MOR-022	Idler Pin O-Ring
2	MPN600048	MGA-4015EC	End Cover Gasket
1	MPN600274	MOR-005	O-Ring (Viton)
1	MPN600101	MOR-029	O-Ring (Viton)
1	MPN600181	MOR-090	O-Ring
1	MPN600283	MWK-002	1 1/8" X 5/16" KEY
1	MPN600291	MSE-013	Output Shaft Seal
1	MPN600050	MGA-8010	.010" Mounting Gasket
1	MPN600051	MGA-8015	.015" Mounting Gasket
1	MPN600052	MGA-8032	.032" Mounting Gasket

# VIII. GEARED ADAPTER PART LIST



January 1, 2007  
Rev: 07/17/07

## MAD 626 & 726 Series Geared Adapter



## VIII. GEARED ADAPTER PART LIST



January 1, 2007  
Rev: 07/17/07

### MAD 626 & MAD 726 Series

(180° 6 Bolt Adapter Gear); MAD626 (STD); MAD726 (Deep Mount)

Item	Part Number	Alternate Number	Description	Quantity	
				MAD626	MAD726
1	MPN600091	MIP-531	Idler Pin	1	1
2	MPN600100	MOR-022	Idler Pin O-Rings	2	2
3	MPN600213	MSR-099	Idler Pin Snap Ring	1	1
4	MPN600170	MST-094	Mounting Stud	6	
	MPN600193	MST-423-12	Deep Mount Stud		6
5	MPN600162	MWA-020	Mounting Washer	6	6
6	MPN600218	MNU-075	Mounting Nut	6	6
7	MPN600002	MGA-6010	6 Bolt Mounting Gasket	1	1
	MPN600003	MGA-6015	6 Bolt Mounting Gasket	1	1
	MPN600004	MGA-6032	6 Bolt Mounting Gasket	1	1
8	MPN600159	MHS-641	180° Std. Adapter Housing	1	
	N/A	MHS-642	180° Deep Mount Adapter Housing		1
9	MPN600112	MPN841	Adjusting Bushing	1	1
10	MPN600113	MPN851	Adjusting Nut	1	1
11	MPN600117	MRB-023	Input Gear Bearings	2	2
12	MPN600061	MR-675	"01" Adapter Input Gear	1	1
13	M6140	(*) M6140	6 Bolt .140 Thick Spacer	1	1

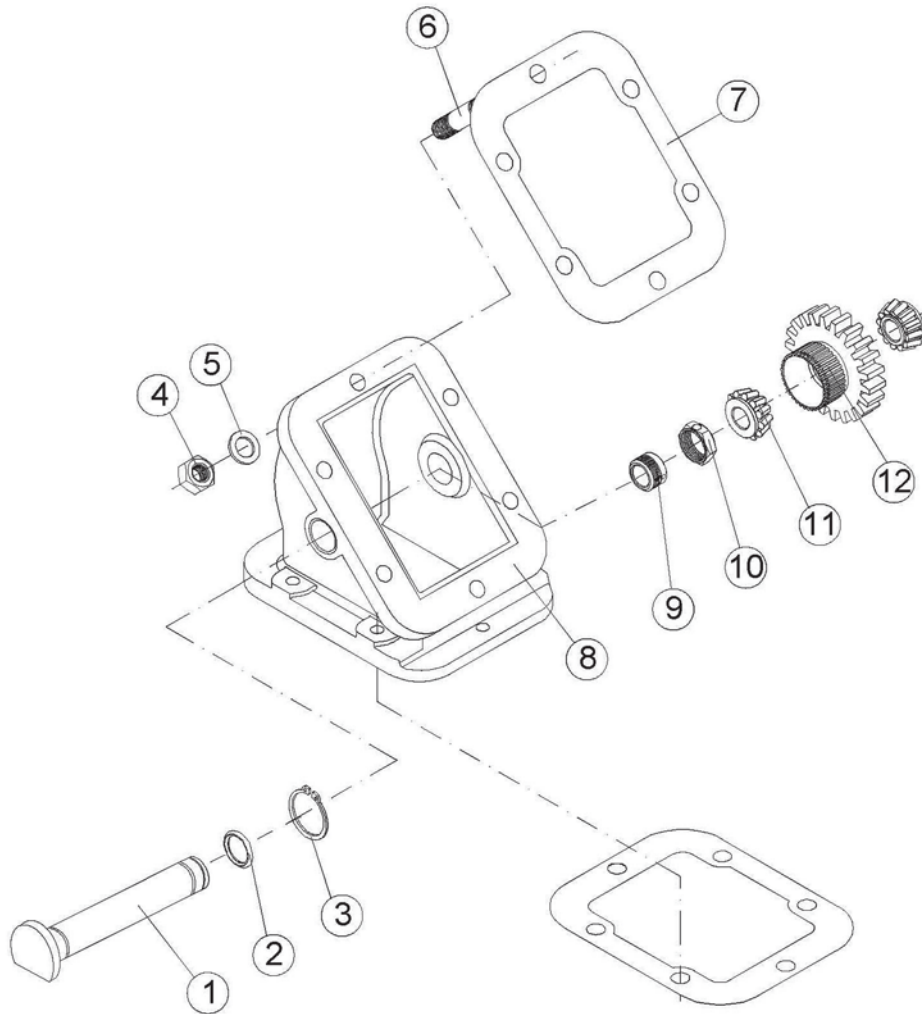
\* Not Shown

# VIII. GEARED ADAPTER PART LIST



January 1, 2007  
Rev: 07/17/07

## MAD 645 & MAD 745 Series Gear Adapter



## VIII. GEARED ADAPTER PART LIST



January 1, 2007  
Rev: 07/17/07

### MAD 645 & MAD 745 Series

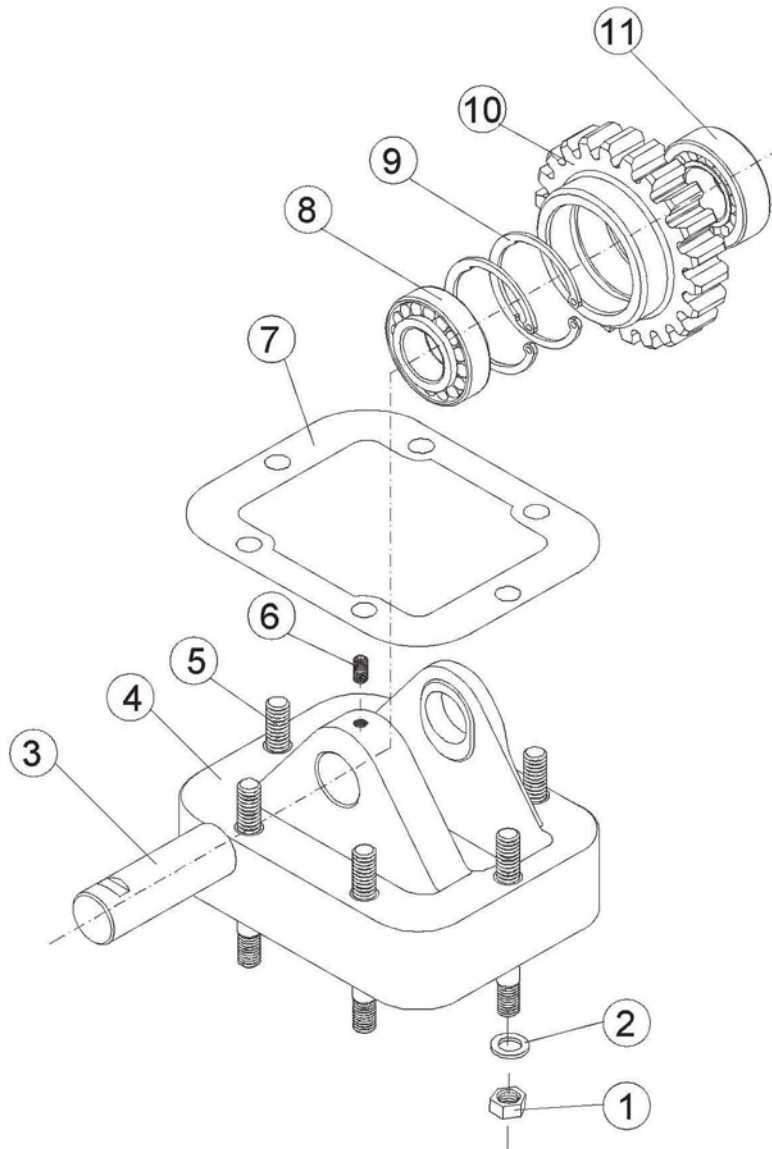
(45° 6 Bolt Adapter Gear); MAD645 (STD); MAD745 (Deep Mount)

Item	Part Number	Alternate Number	Description	Quantity	
				MAD645	MAD745
1	MPN600091	MIP-531	Idler Pin	1	1
2	MPN600100	MOR-022	Idler Pin O-Rings	2	2
3	MPN600213	MSR-099	Idler Pin Snap Ring	1	1
4	MPN600218	MNU-075	Mounting Nut	6	6
5	MPN600162	MWA-020	Mounting Washer	6	6
6	MPN600170	MST-094	Mounting Stud	6	
	MPN600193	MST-423-12	Deep Mount Stud		6
7	MPN600002	MGA-6010	6 Bolt Mounting Gasket	1	1
	MPN600003	MGA-6015	6 Bolt Mounting Gasket	1	1
	MPN600004	MGA-6032	6 Bolt Mounting Gasket	1	1
8	MPN600166	MHS-651	45° Std. Adapter Housing	1	
	N/A	MHS-622	45° Deep Mount Adapter Housing		1
9	MPN600112	MPN841	Adjusting Bushing	1	1
10	MPN600113	MPN851	Adjusting Nut	1	1
11	MPN600117	MRB-023	Input Gear Bearings	2	2
12	MPN600061	MR-675	"01" Adapter Input Gear	1	1
13	(*) M6140	(*) M6140	6 Bolt .140 Thick Spacer	1	1

\* Not Shown



## MAD 530 - 1X Series "MACK" Gear Adapter



## VIII. GEARED ADAPTER PART LIST



January 1, 2007  
Rev: 07/17/07

### MAD 530 - 1X Series

(MACK 6 Bolt Adapter Gear); (MPN600324)

Item	Part Number	Alternate Number	Description	Quantity
				MAD530
1	MPN600218	MNU-075	Mounting Nut	6
2	MPN600162	MWA-020	Mounting Washer	6
3	MPN099006	MIP-611	Idler Pin	1
4	MPN600325	MHS-211	Adapter Housing	1
5	MPN600321	MST-423-44	Mounting Studs	6
6	MPN099011	MSS-009	Set Screw	1
7	MPN600002	MGA-6010	6 Bolt Mounting Gasket	1
	MPN600003	MGA-6015	6 Bolt Mounting Gasket	1
	MPN600004	MGA-6032	6 Bolt Mounting Gasket	1
8	MPN600167	MRB-001	Idler Bearing	1
9	MPN600286	MSR-007	Snap Ring	2
10	MPN099005	MR-798	Adapter Input Gear	1
11	MPN099012	MRB-022	Idler Bearing	1

**PRODUCT SALES BULLETIN  
MH-102405**

\*\*\*\*\***NEW**\*\*\*\*\*

Introducing Metaris Control Towers. These Control Towers come in 8", 10" and 12" heights. Their base dimension is 4 ½" x 5" to center of bolt hole. These towers will accommodate our current dual controllers. Sturdy steel construction. Stocked in Forest location.

**Part #'s**

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MTO-8 (8") (MPN600221)	MTO-10 (10") (MPN600222)	MTO-12 (12") (MPN600223)
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**PRODUCT SALES BULLETIN  
MH-080707**

\*\*\*\*\***NEW**\*\*\*\*\*

Below is a picture of our new Dual Pressure Directional Control Valve. This valve will make it possible to change operating relief pressures at the flip of a button. This unit is all air operated for easy installation. The low pressure will be set at 2200 psi. and the top end relief will be set at 3000 psi. The application that fits this valve very well is the tractor that is carrying a dump trailer and then switching to a walking floor. The list price of this unit is \$758.00.

**Part #'s**

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MVA-300  
(MPN600548)



**PRODUCT SALES BULLETIN  
MH-080807**

\*\*\*\*\***NEW**\*\*\*\*\*

Below is a picture of our new Single Pressure Directional Control Valve. This valve allows remote controlling of the hydraulic system. This unit is air operated for easy installation. The relief pressure is set for 2200 psi. The list price of this unit is \$506.00.

**Part #'s**

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MVA-0041  
(MPN600549)



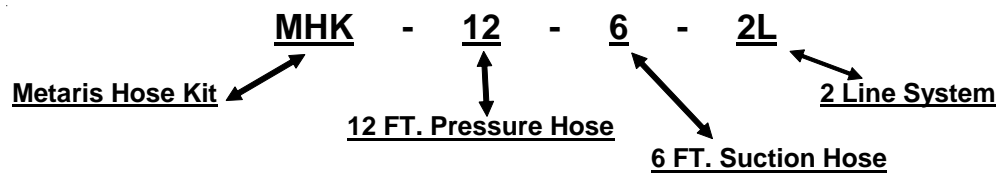
**PRODUCT SALES BULLETIN  
MH-102505**

\*\*\*\*\***NEW**\*\*\*\*\*

Introducing Metaris Wet-Line Hose Kits. We are now offering 8 different wet-line hose kits for dump and general applications. For number breakdown and contents of the kits see the next page. Stocked in Forest Location.



**Hydraulic Hose Kits**



**Hose Kits**

Our #	Alternative #	Description
MPN600295	MHK-12-6-2L	HOSE KIT - 2 LINE
MPN600296	MHK-14-8-2L	HOSE KIT - 2 LINE
MPN600997	MHK-16-8-2L	HOSE KIT - 2 LINE
MPN600998	MHK-20-12-2L	HOSE KIT - 2 LINE
MPN600293	MHK-09-08-3L	HOSE KIT - 3 LINE
MPN600292	MHK-12-12-3L	HOSE KIT - 3 LINE
MPN600294	MHK-16-24-3L	HOSE KIT - 3 LINE
MPN600299	MHK-20-24-3L	HOSE KIT - 3 LINE

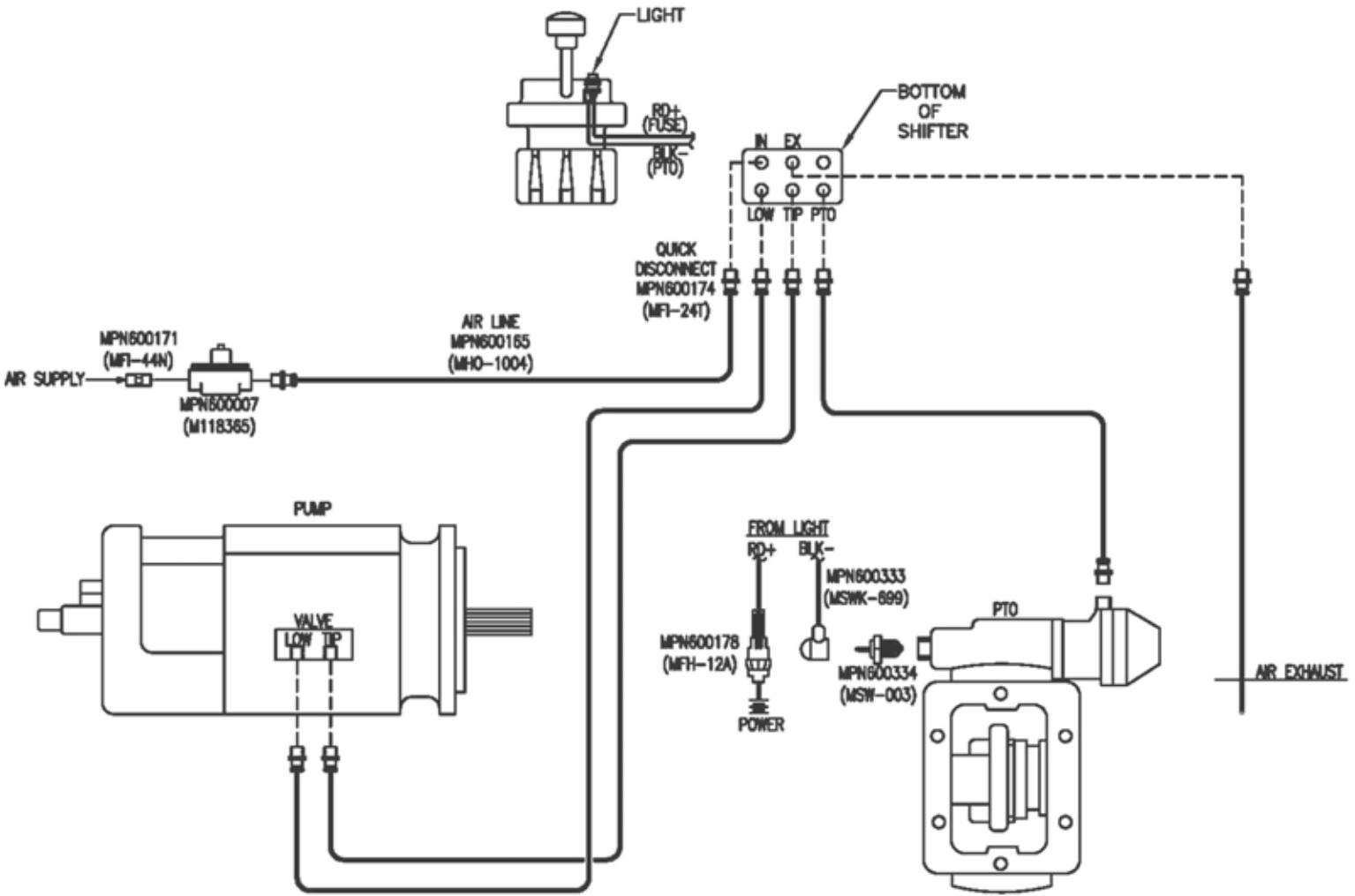
**Kit Contents (2-Line System)**

Quan.	Description
1	1" Quick Disconnect-Complete
2	1" Male Crimp Fittings
1	1" Male to 1-1/4" Female Swivel
2	1-1/4" NPT Male Hose Barb
2	Hose Clamp Worm Drive
See Kit	1" SAE 100 R2 Pressure Hose
See Kit	1-1/4" SAE 100 R4 Suction Hose

**Kit Contents (3-Line System)**

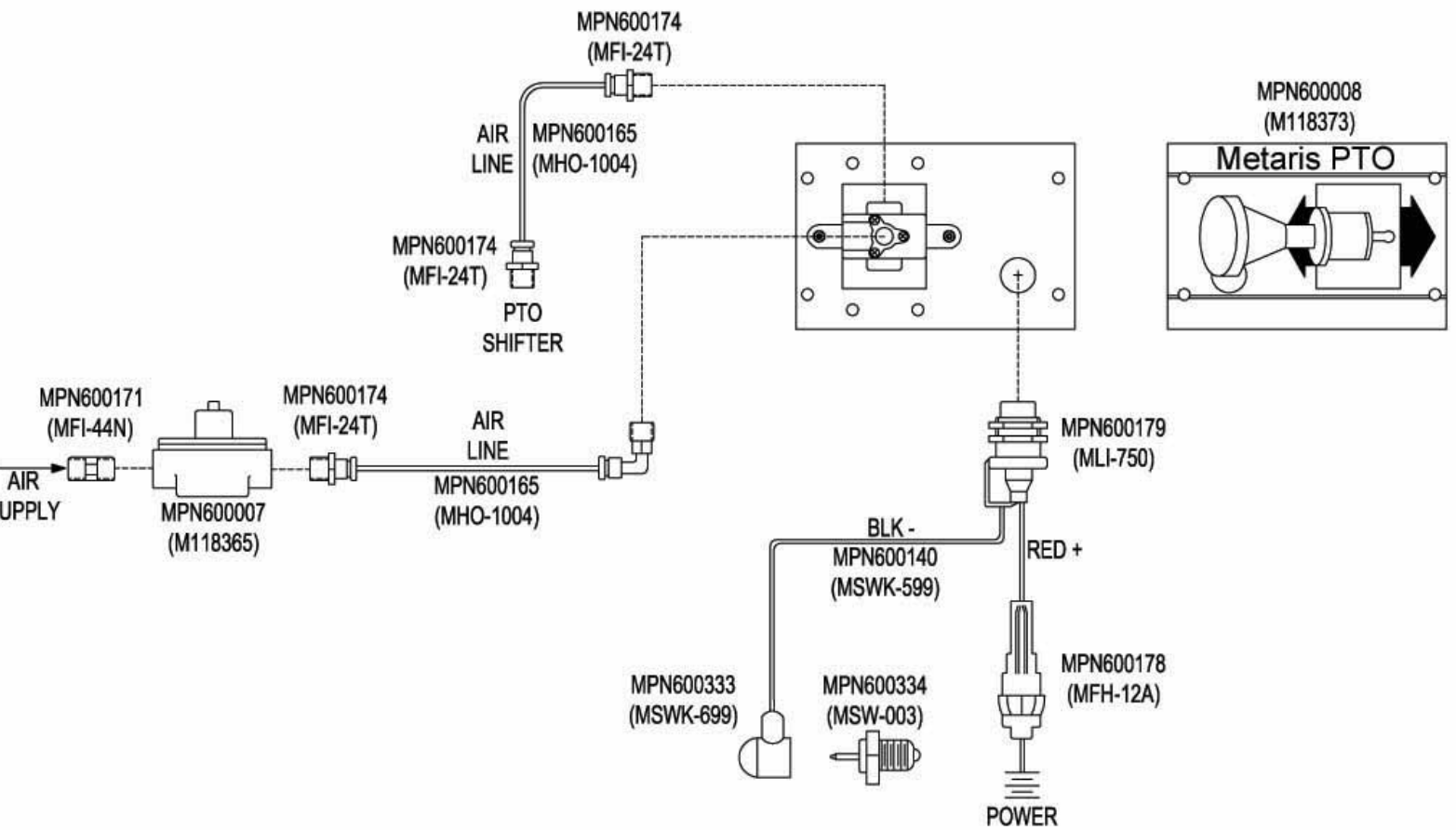
Quan.	Description
1	1" Quick Disconnect-Complete
2	1" Male Crimp Fittings
1	1" Male to 1-1/4" Female Swivel
4	1-1/4" NPT Male Hose Barb
4	Hose Clamp Worm Drive
See Kit	1" SAE 100 R2 Pressure Hose
See Kit	1-1/4" SAE 100 R4 Suction Hose

### Air & Electric Installation for Dual Controller





### Air & Electric Installation for Single Controller





# Installation Manual

(PLACE IN GLOVE BOX AFTER INSTALLATION)

MH6 & MH8 Series





## Contents

Safety Information .....	3
Foreward .....	4
Application Questions .....	5
Mounting P.T.O. to Transmission (MH6 & MH8 Series).....	6
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Shifting Information .....	10

### Safety Instructions

#### Caution

**DO NOT** go underneath the vehicle with engine running. Possible injury may occur.

**SHUT DOWN** engine before attempting removal or installation of Power Take-Off.

**DO NOT** operate any remote controllers while engine is running and you are under the truck.

**RESTRAIN** from operating any controllers on the P.T.O. or any driven equipment. Getting caught in moving machinery may result in injury.

Make sure to block and secure any equipment being serviced. Injury or death may result from improper support of equipment.

#### **Important**

Most of Metaris Power Take-Offs and P.T.O. Drive Line are sold through distributors. The product applications and the resulting degree of exposure to danger of the operators are beyond the knowledge and control of Metaris.

Therefore, the proper installation of the P.T.O. and its associated equipment and the decisions of whether to install guards and/or warning signs shall be the responsibility of the designers or installers.

## Foreword

It is our intention to make sure that we provide you with the most current information for removal and installation of both the 6 & 8 bolt Metaris Power Take-Offs.



When ordering P.T.O.'s for new trucks it is very important to have the proper type, size and design of P.T.O. for the application being used. Proper transmission specifications and the torque requirements of the driven equipment is also a vital factor in P.T.O. optimum performance. Metaris Customers Service is here to advise and discuss your specific requirements. They can inform you on everything you will need to do the job right.

### Application Questions

Here are a few questions to be asked when specifying a Power Take-Off application:

1. What is the make and model of your transmission?
2. Which P.T.O. opening will be used?
3. What accessory is to be driven?
4. How much horsepower is required to drive the accessory?
5. What is the required rotation of the P.T.O.?
6. What is the required P.T.O. output shaft speed as a percent of engine speed?
7. What is the required method of shifting the P.T.O. - mechanical or pneumatic?

After all questions are answered a P.T.O. can be selected.

Then we are ready to start the P.T.O. installation process.

## Mounting of P.T.O. to the Transmission

1. Drain oil from transmission. Remove 6 or 8 bolt aperture plate.



2. Keep aperture plate and bolts in safe place for future use. Clean pad around aperture hole with a gasket scraper. Note: Putting a rag in the aperture hole is recommended to prevent loose gasket material from entering the transmission.



3. Rock the P.T.O. driver gear in the transmission. This will show proper backlash of the transmission gears. This is only a guideline for feeling P.T.O. backlash (later in installation). Note: This should not replace checking backlash with a dial indicator.



### Mounting of P.T.O. to the Transmission

4. It's time to install the Studs for (6 bolt installation) or Cap Screws for (8 bolt installation). Studs may be put in with a stud driver. Cap screws will come later when the P.T.O. is ready to hang. Thread/Locking compound is recommended on every stud or bolt that goes in the transmission aperture holes.



5. Tapped holes in transmission cases require thread/locker compound to keep oil from leaking by the stud or bolt threads.
6. Tighten the studs (6) should be torqued at 17-19 ft. Lbs. (2.35-2.63 kg. meters). The cap screws (8) should be torqued at 19-21 ft. Lbs. (2.63-2.90 kg. meters).
7. It is now time to install mounting gasket (.010", .015", .032" come with P.T.O.). Place the .015 gasket over the studs. Mount the P.T.O. (with the shifter cover taken off) on the transmission and secure with the front and rear stud. Take a preliminary reading with your dial indicator gauge. If it comes between .006 and .012 (0.15mm-0.30mm) the backlash is set. If the backlash is more or less than .006 to .012 than a thinner or thicker gasket may be required. Do not stack more than 3 gaskets together.

**Note: A .010" gasket will change backlash about 0.006". If the spacer blocks are required a gasket must be placed on each side of the spacer block.**





## Mounting of P.T.O. to the Transmission

When the backlash is correct fasten the rest of the P.T.O. with the nuts or cap screws provided with the P.T.O. Tighten with a crosshatch pattern so the gaskets compress evenly. Torque the 6 bolt nuts to 30-35 ft. Lbs. (4.14-4.84 kg meters) and the 8 bolt cap crews to 45-50 ft. Lbs. (6.22-6.91 kg. meters). After the P.T.O. is secure check the backlash once again with a dial indicator gauge to insure the best mesh possible has been established.



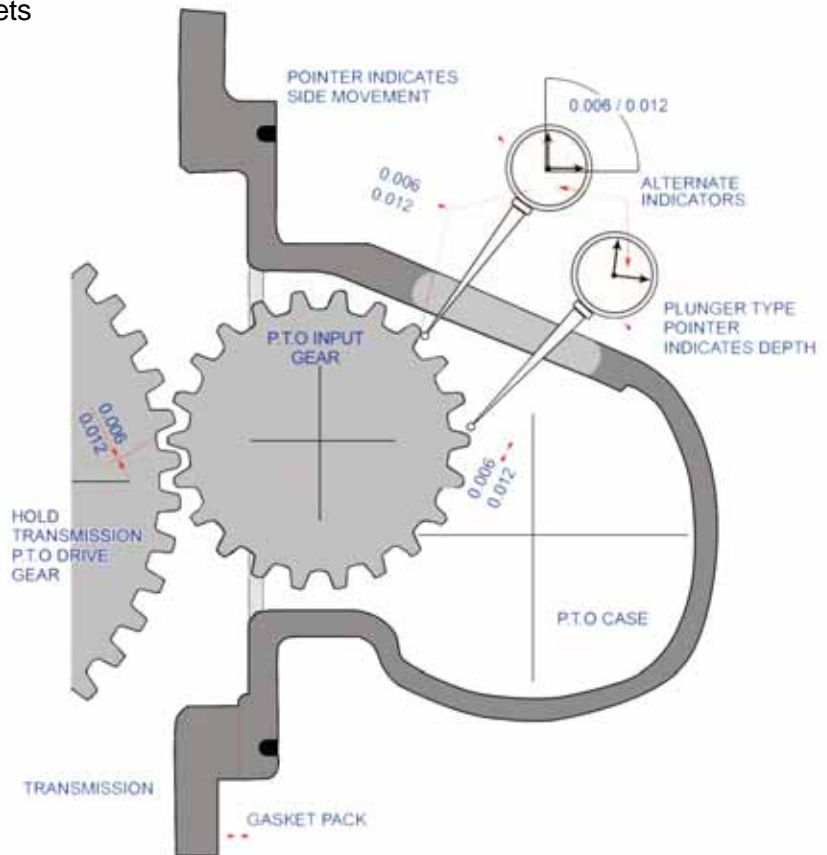
8. Reattach the shifter housing to the P.T.O. with the 4 Allen head bolts. Then fill the transmission with oil.



## Checking Backlash

### Note:

Establish backlash at 0.006" - 0.012" (0.15mm-0.30mm) by using the gasket/shims supplied. .010 gaskets will change backlash approx. .006



It may be necessary to use filler blocks to mount a P.T.O. to particular types of transmissions.



## Shift Instructions

### Caution

The vehicle has been equipped with a Power Take-Off device before working on the P.T.O. or working under the vehicle shut the engine off and make sure the vehicle is blocked to prevent injury or death.

Power Take-Off operation with the vehicle stopped.

### ***Mechanical Transmission***

Before shifting the P.T.O. into or out of gear depress the clutch and wait for the transmission and P.T.O. gears to stop turning.

### ***Automatic Transmission with Air or Manual P.T.O. Shift***

With automatic transmission the gears inside the transmission remain turning when the transmission is shifted to neutral. If the P.T.O. is shifted at this time gear clashing will occur.

### ***With Converter Driven Gear***

1. Shift the transmission into any drive position. Note: this will stop the transmission gears from turning.
2. Shift the P.T.O. into position.
3. Shift the transmission into neutral to restart the transmission gears turning.
4. With the engine stopped the P.T.O. can be shifted into gear then restart the engine, this will avoid gear clashing.

### ***Automatic Transmission with Power Shift P.T.O.***

Engage the P.T.O. with the engine at idle speed.

### ***Important***

Failure to follow proper shift operation may result in premature P.T.O. failure.

### Aisin Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
A443E	N/A	4	58L
A445	N/A	4	58L
A450-43LE	N/A	4	58L
MY600	N/A	6	69L

## XII. PTO APPLICATION



### Chelsea Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
912 AH (6 PITCH SPUR)	CHL-1	1	39R&39L
941 (6 PITCH 20 TEETH SPUR)	CHL-2	1	23R&23L

## XII. PTO APPLICATION



Chelsea

CHL1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 39 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 39 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SB01X(1)1(2)	ENG	101			Included	255	49	
MH8SC01X(1)1(2)	ENG	125			Included	255	49	
MH8SE01X(1)1(2)	ENG	140			Included	230	44	
MH8SJ01X(1)1(2)	ENG	162			Included	230	44	
MH8SO01X(1)1(2)	ENG	193			Included	205	39	
MH8SR01X(1)1(2)	ENG	230			Included	205	39	
MH8SS01X(1)1(2)	ENG	255			Included	195	37	
MH8ST01X(1)1(2)	ENG	271			Included	180	34	

LEFT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SB01X(1)3(2)	ENG	101			Included	255	49	
MH8SC01X(1)3(2)	ENG	125			Included	255	49	
MH8SE01X(1)3(2)	ENG	140			Included	230	44	
MH8SJ01X(1)3(2)	ENG	162			Included	230	44	
MH8SO01X(1)3(2)	ENG	193			Included	205	39	
MH8SR01X(1)3(2)	ENG	230			Included	205	39	
MH8SS01X(1)3(2)	ENG	255			Included	195	37	
MH8ST01X(1)3(2)	ENG	271			Included	180	34	

8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MHD8SB01X(3)3(4)	ENG	101			Included	505	95	
MHD8SC01X(3)3(4)	ENG	121			Included	505	95	
MHD8SE01X(3)3(4)	ENG	141			Included	505	95	
MHD8SJ01X(3)3(4)	ENG	167			Included	405	95	
MHD8SO01(3)3(4)	ENG	216			Included	355	95	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Chelsea

CHL2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 23 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.1250" (28.5750MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 23 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.1250" (28.5750MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	ENG	59			Included	255	49	
MH6SC01X(1)1(2)	ENG	72			Included	255	49	
MH6SE01X(1)1(2)	ENG	83			Included	230	44	
MH6SJ01X(1)1(2)	ENG	96			Included	230	44	
MH6SO01X(1)1(2)	ENG	114			Included	205	39	
MH6SR01X(1)1(2)	ENG	136			Included	205	39	
MH6SS01X(1)1(2)	ENG	145			Included	195	37	
MH6ST01X(1)1(2)	ENG	160			Included	180	34	

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	ENG	59			Included	255	49	
MH6SC01X(1)1(2)	ENG	72			Included	255	49	
MH6SE01X(1)1(2)	ENG	83			Included	230	44	
MH6SJ01X(1)1(2)	ENG	96			Included	230	44	
MH6SO01X(1)1(2)	ENG	114			Included	205	39	
MH6SR01X(1)1(2)	ENG	136			Included	205	39	
MH6SS01X(1)1(2)	ENG	145			Included	195	37	
MH6ST01X(1)1(2)	ENG	160			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

### ClarkTransmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
CL-551	CLK-12	5	33R&19L
CL-557	CLK-13	5	30R&19L
CL-558	CLK-14	5	33R&19L
280V (Aft. 11/1/68 w/Case 230790)	CLK-1	5	40R&20L
280VO (Aft. 11/1/68 w/Case 230790)	CLK-6	5	46R&20L
282V (Aft. 11/1/68 w/Case 230790)	CLK-2	5	42R&20L
285V (Aft. 11/1/68 w/Case 230790)	CLK-3	5	39R&20L
288V (Aft. 11/1/68 w/Case 230790)	CLK-4	5	37R&20L
289V (Aft. 11/1/68 w/Case 230790)	CLK-5	5	40R&20L
320V (w/Case 231121 or 231122)	CLK-7	5	45R&22L
320VO (w/Case 231121 or 231122)	CLK-11	5	52R&22L
325V (w/Case 211121 or 231122)	CLK-8	5	43R&22L
327V (w/Case 211121 or 231122)	CLK-9	5	45R&22L
328V (w/Case 211121 or 231122)	CLK-10	5	47R&22L
380V (w/Case 211121 or 231122)	CLK-7	5	45R&22L
380VO (w/Case 211121 or 231122)	CLK-11	5	52R&22L
385V (w/Case 211121 or 231122)	CLK-8	5	43R&22L
387V (w/Case 211121 or 231122)	CLK-9	5	45R&22L
388V (w/Case 211121 or 231122)	CLK-10	5	47R&22L
390V	CLK-12	5	33R&19L
397V	CLK-13	5	30R&19L
398V	CLK-14	5	33R&19L



## XII. PTO APPLICATION



Clark

CLK1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 40 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9540" (24.2316MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 20 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	23			Included	255	49	
MH6SC01X(1)4(2)	ENG	28			Included	255	49	
MH6SE01X(1)4(2)	ENG	31			Included	230	44	
MH6SJ01X(1)4(2)	ENG	36			Included	230	44	
MH6SO01X(1)4(2)	ENG	43			Included	205	39	
MH6SR01X(1)4(2)	ENG	51			Included	205	39	
MH6SS01X(1)4(2)	ENG	55			Included	195	37	
MH6ST01X(1)4(2)	ENG	60			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 42 TEETH - HELIX PITCH LINE TO APERTURE FACE: .7530" (19.1300MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 20 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	23			Included	255	49	
MH6SC01X(1)4(2)	ENG	28			Included	255	49	
MH6SE01X(1)4(2)	ENG	33			Included	230	44	
MH6SJ01X(1)4(2)	ENG	39			Included	230	44	
MH6SO01X(1)4(2)	ENG	46			Included	205	39	
MH6SR01X(1)4(2)	ENG	55			Included	205	39	
MH6SS01X(1)4(2)	ENG	60			Included	195	37	
MH6ST01X(1)4(2)	ENG	65			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Clark

CLK3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 39 TEETH - HELIX PITCH LINE TO APERTURE FACE: 1.0250" (26.0350MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 20 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	23			Included	255	49	
MH6SC01X(1)4(2)	ENG	28			Included	255	49	
MH6SE01X(1)4(2)	ENG	33			Included	230	44	
MH6SJ01X(1)4(2)	ENG	39			Included	230	44	
MH6SO01X(1)4(2)	ENG	46			Included	205	39	
MH6SR01X(1)4(2)	ENG	55			Included	205	39	
MH6SS01X(1)4(2)	ENG	60			Included	195	37	
MH6ST01X(1)4(2)	ENG	65			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK4

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 37 TEETH - HELIX PITCH LINE TO APERTURE FACE: 1.1300" (28.7000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 20 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	28			Included	255	49	
MH6SC01X(1)4(2)	ENG	34			Included	255	49	
MH6SE01X(1)4(2)	ENG	39			Included	230	44	
MH6SJ01X(1)4(2)	ENG	45			Included	230	44	
MH6SO01X(1)4(2)	ENG	54			Included	205	39	
MH6SR01X(1)4(2)	ENG	64			Included	205	39	
MH6SS01X(1)4(2)	ENG	71			Included	195	37	
MH6ST01X(1)4(2)	ENG	75			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK5

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 40 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9540" (24.2300MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 20 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	28			Included	255	49	
MH6SC01X(1)4(2)	ENG	34			Included	255	49	
MH6SE01X(1)4(2)	ENG	39			Included	230	44	
MH6SJ01X(1)4(2)	ENG	45			Included	230	44	
MH6SO01X(1)4(2)	ENG	54			Included	205	39	
MH6SR01X(1)4(2)	ENG	64			Included	205	39	
MH6SS01X(1)4(2)	ENG	71			Included	195	37	
MH6ST01X(1)4(2)	ENG	75			Included	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK6

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 46 TEETH - HELIX PITCH LINE TO APERTURE FACE: .5250" (13.3400MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 20 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	28			Included	255	49	
MH6SC01X(1)4(2)	ENG	34			Included	255	49	
MH6SE01X(1)4(2)	ENG	39			Included	230	44	
MH6SJ01X(1)4(2)	ENG	45			Included	230	44	
MH6SO01X(1)4(2)	ENG	54			Included	205	39	
MH6SR01X(1)4(2)	ENG	64			Included	205	39	
MH6SS01X(1)4(2)	ENG	71			Included	195	37	
MH6ST01X(1)4(2)	ENG	75			Included	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK7

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9830" (24.9700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 22 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	26			Included	255	49	
MH6SC01X(1)4(2)	ENG	32			Included	255	49	
MH6SE01X(1)4(2)	ENG	36			Included	230	44	
MH6SJ01X(1)4(2)	ENG	42			Included	230	44	
MH6SO01X(1)4(2)	ENG	50			Included	205	39	
MH6SR01X(1)4(2)	ENG	60			Included	205	39	
MH6SS01X(1)4(2)	ENG	65			Included	195	37	
MH6ST01X(1)4(2)	ENG	70			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK8

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 43 TEETH - HELIX PITCH LINE TO APERTURE FACE: 1.1150" (28.3200MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 22 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

<b>LEFT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	29			Included	255	49	
MH6SC01X(1)4(2)	ENG	35			Included	255	49	
MH6SE01X(1)4(2)	ENG	38			Included	230	44	
MH6SJ01X(1)4(2)	ENG	47			Included	230	44	
MH6SO01X(1)4(2)	ENG	56			Included	205	39	
MH6SR01X(1)4(2)	ENG	67			Included	205	39	
MH6SS01X(1)4(2)	ENG	71			Included	195	37	
MH6ST01X(1)4(2)	ENG	79			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)



## XII. PTO APPLICATION



Clark

CLK9

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 43 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9830" (24.9700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 22 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
NOTHING AVAILABLE AT THIS TIME								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	33			Included	255	49	
MH6SC01X(1)4(2)	ENG	40			Included	255	49	
MH6SE01X(1)4(2)	ENG	46			Included	230	44	
MH6SJ01X(1)4(2)	ENG	53			Included	230	44	
MH6SO01X(1)4(2)	ENG	63			Included	205	39	
MH6SR01X(1)4(2)	ENG	75			Included	205	39	
MH6SS01X(1)4(2)	ENG	81			Included	195	37	
MH6ST01X(1)4(2)	ENG	88			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK10

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 47 TEETH - HELIX PITCH LINE TO APERTURE FACE: .8410" (21.3600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 22 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	29			Included	255	49	
MH6SC01X(1)4(2)	ENG	35			Included	255	49	
MH6SE01X(1)4(2)	ENG	41			Included	230	44	
MH6SJ01X(1)4(2)	ENG	47			Included	230	44	
MH6SO01X(1)4(2)	ENG	56			Included	205	39	
MH6SR01X(1)4(2)	ENG	67			Included	205	39	
MH6SS01X(1)4(2)	ENG	71			Included	195	37	
MH6ST01X(1)4(2)	ENG	79			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK11

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 52 TEETH - HELIX PITCH LINE TO APERTURE FACE: .5460" (13.8700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 22 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG	33			Included	255	49	
MH6SC01X(1)4(2)	ENG	41			Included	255	49	
MH6SE01X(1)4(2)	ENG	46			Included	230	44	
MH6SJ01X(1)4(2)	ENG	53			Included	230	44	
MH6SO01X(1)4(2)	ENG	63			Included	205	39	
MH6SR01X(1)4(2)	ENG	75			Included	205	39	
MH6SS01X(1)4(2)	ENG	71			Included	195	37	
MH6ST01X(1)4(2)	ENG	88			Included	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK12

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 33 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: .9880" (25.0950MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 19 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC06X(1)4(2)	ENG	28			Included	255	49	
MH6SE06X(1)4(2)	ENG	30			Included	230	44	
MH6SJ06X(1)4(2)	ENG	34			Included	230	44	
MH6SO06X(1)4(2)	ENG	41			Included	205	39	
MH6SR06X(1)4(2)	ENG	49			Included	205	39	
MH6SS06X(1)4(2)	ENG	52			Included	195	37	
MH6ST06X(1)4(2)	ENG	57			Included	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Clark

CLK13

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 30 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: .8750" (22.2250MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 19 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC06X(1)4(2)	ENG	33			Included	255	49	
MH6SE06X(1)4(2)	ENG	35			Included	230	44	
MH6SJ06X(1)4(2)	ENG	41			Included	230	44	
MH6SO06X(1)4(2)	ENG	49			Included	205	39	
MH6SR06X(1)4(2)	ENG	58			Included	205	39	
MH6SS06X(1)4(2)	ENG	62			Included	195	37	
MH6ST06X(1)4(2)	ENG	68			Included	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Clark

CLK14

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 33 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: .9980" (25.3500MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 19 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC06X(1)4(2)	ENG	33			Included	255	49	
MH6SE06X(1)4(2)	ENG	35			Included	230	44	
MH6SJ06X(1)4(2)	ENG	41			Included	230	44	
MH6SO06X(1)4(2)	ENG	49			Included	205	39	
MH6SR06X(1)4(2)	ENG	58			Included	205	39	
MH6SS06X(1)4(2)	ENG	62			Included	195	37	
MH6ST06X(1)4(2)	ENG	68			Included	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



### Ford Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
TORQSHIFT (Automatic) (Ford Super Duty)	N/A	5	121L

### Fuller Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
AT-1202 (AUXILIARY)	FULL-19	2	30T&30B
F-6406N-ASW	N/A	6	39R&39L
F-8406N-ASW	NA	6	39R&39L
FO-6406A-ASW	N/A	6	48R&48L
FO-6406A-ASX	FULL-35	6	48R&48L
FO-8406A-ASW	FULL-35	6	48R&48L
FO-8406A-ASX	FULL-35	6	48R&48L
FR-11210B	FULL-33	10	45R&47B
FR-12210B	FULL-33	10	45R&47B
FR-13210B	FULL-33	10	45R&47B
FR-14210B	FULL-33	10	45R&47B
FR-15210B	FULL-33	10	45R&47B
FR-16210B	FULL-33	10	45R&47B
FR-9210	FULL-33	10	45R&47B
FR-9210B	FULL-33	10	45R&47B
FRLO-14410C	N/A	10	51R&51L
FRLO-14410C-T2	N/A	10	51R&51L
FRLO-15410C	N/A	10	51R&51L
FRLO-15410C-T2	N/A	10	51R&51L
FRLO-16410C	N/A	10	51R&51L
FRLO-16410C-T2	N/A	10	51R&51L
FRO-11210B	FULL-34	10	45R&47B
FRO-11210C	FULL-32	10	45R&47B
FRO-12210B	FULL-34	10	45R&47B
FRO-12210C	FULL-32	10	45R&47B
FRO-13210B	FULL-34	10	45R&47B
FRO-13210C	FULL-32	10	45R&47B
FRO-14210B	FULL-34	10	45R&47B
FRO-14210C	FULL-32	10	45R&47B
FRO-14210R	FULL-32	10	45R&47B
FRO-15210B	FULL-34	10	45R&47B
FRO-15210C	FULL-32	10	45R&47B
FRO-15210R	FULL-32	10	45R&47B
FRO-16210B	FULL-34	10	45R&47B
FRO-16210C	FULL-32	10	45R&47B
FRO-16210R	FULL-32	10	45R&47B
FRO-17210C	FULL-32	10	45R&47B
FRO-18210C	FULL-32	10	45R&47B
FS-3005A (1988 Model Year & Before)	N/A	5	25R&25L
FS-3005A (1989 Model Year & After)	N/A	5	28R&28L
FS-3005B (1988 Model & Before)	N/A	5	25R&25L
FS-3005B (After Sept. 1988)	N/A	5	28R&28L
FS-3005C	N/A	5	29R&29L
FS3205A	N/A	5	28R&28L
FS3205B	N/A	5	28R&28L
FS-3205C	N/A	5	29R&29L
FS-4005A (After Nov. 1987)	N/A	5	28R&28L
FS-4005A (Before Nov. 1987)	N/A	5	25R&25L



### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
FS-4005B (Serial#7AJ-1512 & Before)	N/A	5	25R&25L
FS-4005B (Serial#7AJ-1512 & After)	N/A	5	28R&28L
FS-4005B (Serial#7AS-648 & Before)	N/A	5	25R&25L
FS-4005B (Serial#7AS-649 & After)	N/A	5	28R&28L
FS-4005B (Serial#7AY-205 & After)	N/A	5	28R&28L
FS-4005B (Serial#7BA-786 & Before)	N/A	5	25R&25L
FS-4005B (Serial#7BA-787 & After)	N/A	5	28R&28L
FS-4005B (Serial # 86*****)	N/A	5	28R&28L
FS-4005B (1988 Model Year & Before)	N/A	5	25R&25L
FS-4005B (1989 Model Year & After)	N/A	5	28R&28L
FS-4005C	N/A	5	29R&29L
FS-4205A	N/A	5	28R&28L
FS-4205B	N/A	5	28R&28L
FS-4205C	N/A	5	29R&29L
FS-5005A	FULL-24	5	33R&19L
FS-5005B	FULL-25	5	33R&19L
FS-5005C	FULL-26	5	30R&19L
FS-5106A	FULL-22	6	38R&38L
FS-5205A	FULL-24	5	33R&19L
FS-5205B	FULL-25	5	33R&19L
FS-5205C	FULL-26	5	30R&19L
FS-5296A	FULL-22	5	38R&38L
FS-5306A	FULL-22	6	38R&38L
FS-5406A	FULL-22	6	38R&38L
FS5406N	FULL-37	6	39R&39L
FS-5506	N/A	6	50R&50L
FS-6005A	FULL-23	5	39R&39L
FS-6005B	N/A	5	41R&41L
FS-6105A	FULL-23	5	39R&39L
FS-6105B	N/A	5	41R&41L
FS-6106	N/A	6	50R&50L
FS-6106A	N/A	6	50R&50L
FS-6109A (Left Forward)	N/A	9	32L
FS-6109A (Left Rear)	N/A	9	23L
FS-6205A	FULL-23	5	39R&39L
FS-6205B	N/A	5	41R&41L
FS-6206A	FULL-22	6	38R&38L
FS-6305A	FULL-23	5	39R&39L
FS-6305B	N/A	5	41R&41L
FS-6306A	FULL-22	6	38R&38L
FS-6306X	FULL-22	6	38R&38L
FS6309A (Left Side Forward Opening)	N/A	9	32L
FS6309A (Left Side Rear Opening)	N/A	9	23L
FS-6406A	FULL-22	6	38R&38L
FS-6406N	FULL-37	6	39R&39L
FS-6406N-ASW	FULL-37	6	39R&39L
FS-7206A	N/A	6	50R&50L
FS-8206A	N/A	6	50R&50L

### Fuller Transmission Index - *cont'd.*

TRANSMISSION MAKE and MODEL	P.T.O.	No.	TEETH
	APPL. NUMBER	FWD. SPEEDS	IN PTO DRIVER
FS-8209A (Australia)	N/A	9	23L
FS-8209B (Overdrive Left Rear)	N/A	9	23L
FS-8406A	N/A	6	50R&50L
FS-8406N-ASW	FULL-37	6	39R&39L
FSB-5305D (Eaton Brazil)	N/A	5	31R
FSB-5406B	FULL-36	6	38R&38L
FSB-6406B	FULL-36	6	38R&38L
FSO-4305A (Same as CL-3905A)	N/A	5	36R
FSO-4305B (Same as CL-3905B)	N/A	5	36R
FSO-4305C (Same as CL-3905C)	N/A	5	36R
FSO-5406A	FULL-35	6	48R&48L
FSO-6109 (Left Rear)	N/A	9	23L
FSO-6109 (Left Forward)	N/A	9	
FSO-6406A (EATON BRAZIL)	FULL-35	6	48R&48L
FSO-8406A (EATON BRAZIL)	FULL-35	6	48R&48L
H4106B (H is Horizontally Mounted)	N/A	6	43L
RT-1110	FULL-1	10	45R&47B
RT-11109A-AT	FULL-29	9	45R&47B
RT-11109A-ATE (Thrushaft option use AT mounting)	FULL-29	9	45R&47B
RT-11109A-MAT	FULL-29	9	45R&47B
RT-11509	FULL-1	9	45R&47B
RT-11608	FULL-20	8	45R&47B
RT-11609A (Thrushaft option use AT mounting)	FULL-1	8+1	45R&47B
RT-11610	FULL-1	10	45R&47B
RT-11613	FULL-1	13	45R&47B
RT-11615	FULL-1	15	45R&47B
RT-11709A	FULL-1	9	45R&47B
RT-11709H (Thrushaft option use AU mounting)	FULL-1	9	45R&47B
RT-11710B (Thrushaft option use AU mounting)	FULL-1	10	45R&47B
RT-11715 (Thrushaft option use BD mounting)	FULL-1	15	45R&47B
RT-12109A-AT	FULL-29	9	45R&47B
RT-12109A-MAT	FULL-29	9	45R&47B
RT-12109Z-MAT	FULL-29	9	45R&47B
RT-12509	FULL-1	9	45R&47B
RT-12510	FULL-1	10	45R&47B
RT-12513	FULL-1	13	45R&47B
RT-12515	FULL-1	15	45R&47B
RT-12609A (Thrushaft option use AT mounting)	FULL-1	9	45R&47B
RT-12610	FULL-1	10	45R&47B
RT-12709A	FULL-1	9	45R&47B
RT-12709H (Thrushaft option use AU mounting)	FULL-1	9	45R&47B
RT-12710B (Thrushaft option use AU mounting)	FULL-1	10	45R&47B
RT-1309H (Thrushaft option use AT mounting)	FULL-1	9	45R&47B
RT-13109A-AT	FULL-29	9	45R&47B
RT-13109A-ATE	FULL-29	9	45R&47B
RT-13109A-ATE (Thrushaft use AT mounting)	FULL-29	9	45R&47B
RT-13109A-MAT	FULL-29	9	45R&47B
RT-13609A (Thrushaft option use AT mounting)	FULL-1	9	45R&47B

### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RT-13609H	FULL-1	9	45R&47B
RT-13709H (Thrushaft option use AU mounting)	FULL-1	9	45R&47B
RT-13710B (Thrushaft option use AU mounting)	FULL-1	10	45R&47B
RT-14109A-AT	FULL-29	9	45R&47B
RT-14109A-ATE	FULL-29	9	45R&47B
RT-14109A-ATE (Thrushaft option use AU mounting)	FULL-29	9	45R&47B
RT-14109A-MAT	FULL-29	9	45R&47B
RT-14608	FULL-20	8	45R&47B
RT-14609A	FULL-1	8+1	45R&47B
RT-14610	FULL-1	10	45R&47B
RT-14613	FULL-1	13	45R&47B
RT-14615	FULL-1	15	45R&47B
RT-14708LL	FULL-20	9	45R&47B
RT-14709A	FULL-1	9	45R&47B
RT-14709H (Thrushaft option use AU mounting)	FULL-1	9	45R&47B
RT-14710B (Thrushaft option use AU mounting)	FULL-1	10	45R&47B
RT-14710B-AS2	FULL-1	10	45R&47B
RT-14715 (Thrushaft option use BD mounting)	FULL-1	15	45R&47B
RT-14910B-AS2	FULL-1	10	45R&47B
RT-14915	FULL-1	15	45R&47B
RT-15613	FULL-1	13	45R&47B
RT-15615	FULL-1	15	45R&47B
RT-15715	FULL-1	15	45R&47B
RT-16109A-AT	FULL-29	9	45R&47B
RT-16109A-ATE	FULL-29	9	45R&47B
RT-16109A-ATE (Thrushaft option use AU mounting)	FULL-29	9	45R&47B
RT-510	FULL-7	10	33R&33B
RT-610	FULL-7	10	33R&33B
RT-613	FULL-7	13	33R&33B
RT-6609A	FULL-21	9	33R&33B
RT-6610	FULL-7	10	33R&33B
RT-6613	FULL-7	13	33R&33B
RT-7608LL	FULL-21	10	33R&33B
RT-7609 (ENGLAND)	FULL-7	9	33R&33B
RT-7613 (ENGLAND)	FULL-7	13	33R&33B
RT-8608L	FULL-20	8	45R&47B
RT-8609	FULL-21	9	33R&33B
RT-8609A	FULL-21	9	33R&33B
RT-8709B	FULL-1	9	45R&47B
RT-8908LL	FULL-1	8+2	45R&47B
RT-906	FULL-1	6	45R&47B
RT-906A	FULL-1	6	45R&47B
RT-909	FULL-1	8+1	45R&47B
RT-909A	FULL-1	8+1	45R&47B
RT-910	FULL-1	10	45R&47B
RT-9109A-AT	FULL-29	9	45R&47B
RT-9109A-MAT	FULL-29	9	45R&47B
RT-915	FULL-1	15	45R&47B

### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RT-9508	FULL-20	8	45R&47B
RT-9509A	FULL-1	8+1	45R&47B
RT-9509C (ENGLAND)	FULL-1	9	45R&47B
RT-9513	FULL-1	13	45R&47B
RT-9710B (Thrushaft option use AU mounting)	FULL-1	10	45R&47B
RTAO-10710B -AC	FULL-16	10	45R&47B
RTAO-10710B-AS	FULL-16	10	45R&47B
RTAO-10710C-AC	FULL-17	10	45R&47B
RTAO-10710C-AS	FULL-17	10	45R&47B
RTAO-12710A	FULL-16	10	45R&47B
RTAO-12710B	FULL-16	10	45R&47B
RTAO-12710B-AC	FULL-16	10	45R&47B
RTAO-12710B-AS	FULL-16	10	45R&47B
RTAO-12710C	FULL-16	10	45R&47B
RTAO-12710C-AC	FULL-17	10	45R&47B
RTAO-12710C-AS	FULL-17	10	45R&47B
RTA-14710B-AS	FULL-1	10	45R&47B
RTAO-14710B-AC	FULL-16	10	45R&47B
RTAO-14710B-AS	FULL-16	10	45R&47B
RTAO-14710C-AC	FULL-17	10	45R&47B
RTAO-14710C-AS	FULL-17	10	45R&47B
RTAO-16710B-AC (AUSTRALIA)	FULL-16	10	45R&47B
RTAO-16710B-AC	FULL-16	10	45R&47B
RTAO-16710B-AS	FULL-16	10	45R&47B
RTAO-16710C-AC	FULL-17	10	45R&47B
RTAO-16710C-AS	FULL-17	10	45R&47B
RTF-8709A (AUSTRALIA MODEL)	FULL-1	9	45R&47B
RTF-8908LL (AUSTRALIA)	FULL-1	8	45R&47B
RTF-906	FULL-1	6	45R&47B
RTF-906A	FULL-1	6	45R&47B
RTF-909	FULL-1	8+1	45R&47B
RTF-909A	FULL-1	8+1	45R&47B
RTF-910	FULL-1	10	45R&47B
RTF-915	FULL-1	15	45R&47B
RTF-11609A	FULL-1	9	45R&47B
RTF-12609A	FULL-1	9	45R&47B
RTF-12709H	FULL-1	9	45R&47B
RTF-12710B	FULL-1	10	45R&47B
RTF-13609A	FULL-1	9	45R&47B
RTA-13709H	FULL-1	9	45R&47B
RTF-13710B	FULL-1	10	45R&47B
RTF-14609A	FULL-1	9	45R&47B
RTF-14709H	FULL-1	9	45R&47B
RTF-14710B	FULL-1	10	45R&47B
RTF-14715	FULL-1	15	45R&47B
RTF-14915	FULL-1	15	45R&47B
RTF-15715	FULL-1	15	45R&47B
RTL-11710B	FULL-1	10	45R&47B

### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RTL-11710B-T2	FULL-1	10	45R&47B
RTL-12710B	FULL-1	10	45R&47B
RTL-12710B-T2	FULL-1	10	45R&47B
RTL-13710B	FULL-1	10	45R&47B
RTL-14710B	FULL-1	10	45R&47B
RTLO-11610B	FULL-1	10	45R&47B
RTLO-11610B-T2	FULL-1	10	45R&47B
RTLO-12610B	FULL-1	10	45R&47B
RTLO-12610B-T2	FULL-1	10	45R&47B
RTLO-12713A	FULL-17	13	45R&47B
RTLO-12913A (AUSTRALIA)	FULL-17	13	45R&47B
RTLO-13610B	FULL-1	10	45R&47B
RTLO-13610B-T2	FULL-1	10	45R&47B
RTLO-14610A	FULL-1	10	45R&47B
RTLO-14610B	FULL-1	10	45R&47B
RTLO-14610B-T2	FULL-1	10	45R&47B
RTLO-14613B	FULL-1	13	45R&47B
RTLO-14618A	FULL-1	18	45R&47B
RTLO-14713A	FULL-1	13	45R&47B
RTLO-14713A-T2	FULL-17	13	45R&47B
RTLO-14718B	FULL-17	13	45R&47B
RTLO-14718B-T2	FULL-17	18	45R&47B
RTLO-14913-T2 (AUSTRALIA)	FULL-17	13	45R&47B
RTLO-14913A (AUSTRALIA)	FULL-17	13	45R&47B
RTLO-14918A-AS2	FULL-17	18	45R&47B
RTLO-14918B	FULL-17	18	45R&47B
RTLO-14918B-AS	FULL-17	18	45R&47B
RTLO-15610B	FULL-1	10	45R&47B
RTLO-15610B-T2	FULL-1	10	45R&47B
RTLO-16610B	FULL-1	10	45R&47B
RTLO-16610B-T2	FULL-1	10	45R&47B
RTLO-16618A	FULL-1	18	45R&47B
RTLO-16713A	FULL-17	13	45R&47B
RTLO-16713A-MT	FULL-17	13	45R&47B
RTLO-16713A-T2	FULL-17	13	45R&47B
RTLO-16718B	FULL-17	18	45R&47B
RTLO-16718B-T2	FULL-17	18	45R&47B
RTLO-16909ALL	FULL-17	11	45R&47B
RTLO-16913(T2) (AUSTRALIA)	FULL-17	13	45R&47B
RTLO-16913A (AUSTRALIA)	FULL-17	13	45R&47B
RTLO-16918A-AS2	FULL-17	18	45R&47B
RTLO-16918B	FULL-17	18	45R&47B
RTLO-16918B-AS	FULL-17	18	45R&47B
RTLO-17610B	FULL-1	10	45R&47B
RTLO-17610B-T2	FULL-1	10	45R&47B
RTLO-18610B	FULL-1	10	45R&47B
RTLO-18610B-T2	FULL-1	10	45R&47B
RTLO-18718B	FULL-17	18	45R&47B

### Fuller Transmission Index - *cont'd.*

TRANSMISSION MAKE and MODEL	P.T.O.	No.	TEETH
	APPL. NUMBER	FWD. SPEEDS	IN PTO DRIVER
RTLO-18718B-T2	FULL-17	18	45R&47B
RTLO-18913A	FULL-17	13	45R&47B
RTLO-18913A-T2	FULL-17	13	45R&47B
RTLO-18918-AS	FULL-17	18	45R&47B
RTLO-18918A-AS2	FULL-17	18	45R&47B
RTLO-18918B	FULL-17	18	45R&47B
RTLO-18918B-AS	FULL-17	18	45R&47B
RTLO-18918B-T2	FULL-17	18	45R&47B
RTLO-19610B	FULL-3	10	45R&47B
RTLO-20913A	FULL-17	13	45R&47B
RTLO-20918A-AS2	FULL-17	18	45R&47B
RTLO-20918B	FULL-17	18	45R&47B
RTLO-20918B-AS	FULL-17	18	45R&47B
RTLO-22918A-AS2	FULL-17	18	45R&47B
RTLOC-16909A-T2 (Convertible 9 to 13 Speed)	FULL-17	9	45R&47B
RTLO-22918B	FULL-17	18	45R&47B
RTLO-9118A-MT	FULL-1	18	45R&47B
RTO-10710B-AS	FULL-16	10	45R&47B
RTO-10710B-AS2	FULL-16	10	45R&47B
RTO-10910B-AS2	FULL-16	10	45R&47B
RTO-10910B-DM2 (Ultra Shift)	N/A	10	45R&47B
RTO-1110	FULL-18	10	45R&47B
RTO-11109A-AT	FULL-30	9	45R&47B
RTO-11109A-ATE	FULL-30	9	45R&47B
RTO-11109A-ATE (Thrushaft option use AT mounting)	FULL-30	9	45R&47B
RTO-11109A-MAT	FULL-30	9	45R&47B
RTO-11109B-AT	FULL-31	9	45R&47B
RTO-11109B-ATE	FULL-31	9	45R&47B
RTO-11109B-ATE (Thrushaft use AT mounting)	FULL-31	9	45R&47B
RTO-11109B-MAT	FULL-31	9	45R&47B
RTO-11509	FULL-1	8+1	45R&47B
RTO-1157DL	FULL-5	7+1	45R&47B
RTO-1157DLL	FULL-5	7+2	45R&47B
RTO-11607L	FULL-5	7+1	45R&47B
RTO-11607LL	FULL-5	7+2	45R&47B
RTO-11608LL	FULL-16	8+2	45R&47B
RTO-11609A (Thrushaft option use AT mounting)	FULL-16	8+1	45R&47B
RTO-11609B (Thrushaft option use AT mounting)	FULL-17	8+1	45R&47B
RTO-11609P (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-11609R	FULL-16	9	45R&47B
RTO-11610	FULL-18	10	45R&47B
RTO-11613	FULL-1	13	45R&47B
RTO-11615	FULL-18	15	45R&47B
RTO-11707DLL	FULL-5	7+2	45R&47B
RTO-11707LL	FULL-5	7+2	45R&47B
RTO-11708LL (Thrushaft option use BD mounting)	FULL-16	8+2	45R&47B
RTO-11709A	FULL-16	9	45R&47B
RTO-11709H (Thrushaft option use AU mounting)	FULL-17	9	45R&47B

### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RTO-11709MLL	FULL-17	9+2	45R&47B
RTO-11710B	FULL-16	10	45R&47B
RTO-11710C	FULL-17	10	45R&47B
RTO-11715 (Thrushaft option use BD mounting)	FULL-18	15	45R&47B
RTO-11813	FULL-1	13	45R&47B
RTO-11908LL	FULL-16	8+2	45R&47B
RTO-11909ALL	FULL-17	11	45R&47B
RTO-11909MLL	FULL-17	9	45R&47B
RTO-12109A-AT	FULL-30	9	45R&47B
RTO-12109A-MAT	FULL-30	9	45R&47B
RTO-12109B-AT	FULL-31	9	45R&47B
RTO-1213	FULL-1	13	45R&47B
RTO-12509	FULL-16	8+1	45R&47B
RTO-12510	FULL-18	10	45R&47B
RTO-12513	FULL-1	13	45R&47B
RTO-12515	FULL-18	15	45R&47B
RTO-1258LL	FULL-16	8+2	45R&47B
RTO-12609A (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-12609B (Thrushaft option use AT mounting)	FULL-17	9	45R&47B
RTO-12609P (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-12609R (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-12610	FULL-18	10	45R&47B
RTO-12610C	FULL-17	10	45R&47B
RTO-12709A	FULL-17	9	45R&47B
RTO-12709B	FULL-17	9	45R&47B
RTO-12709H (Thrushaft option use AU mounting)	FULL-17	9	45R&47B
RTO-12710B	FULL-16	10	45R&47B
RTO-12710B-AS2	FULL-16	10	45R&47B
RTO-12710C	FULL-17	10	45R&47B
RTO-12910B-AS2	FULL-16	10	45R&47B
RTO-12910B-DM2 (UltraShift)	N/A	10	45R&47B
RTO-13109A-AT	FULL-30	9	45R&47B
RTO-13109B-AT(ATE)	FULL-30	9	45R&47B
RTO-13109A-MAT	FULL-30	9	45R&47B
RTO-13109B-AT	FULL-31	9	45R&47B
RTO-13109B-ATE	FULL-31	9	45R&47B
RTO-13109B-ATE (Thrushaft option use AT mounting)	FULL-31	9	45R&47B
RTO-13109B-MAT	FULL-31	9	45R&47B
RTO-13609A (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-13609B (Thrushaft option use AT mounting)	FULL-17	9	45R&47B
RTO-13609P (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-13609R (Thrushaft option use AT mounting)	FULL-16	9	45R&47B
RTO-13707DLL	FULL-5	7+2	45R&47B
RTO-13707MLL	FULL-5	7+2	45R&47B
RTO-13709H (Thrushaft option use AU mounting)	FULL-17	9	45R&47B
RTO-13710B	FULL-16	10	45R&47B
RTO-13710C	FULL-17	10	45R&47B
RTO-14109A-AT	FULL-30	9	45R&47B

### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RTO-14109A-(ATE)	FULL-30	9	45R&47B
RTO-14109A-(ATE) (Thrushaft option use AU mounting)	FULL-30	9	45R&47B
RTO-14109A-MAT	FULL-30	9	45R&47B
RTO-14109B-AT	FULL-31	9	45R&47B
RTO-14109B-ATE	FULL-31	9	45R&47B
RTO-14109B-ATE (Thrushaft option use AU mounting)	FULL-31	9	45R&47B
RTO-14109B-MAT	FULL-31	9	45R&47B
RTO-14210C	FULL-32	10	45R&47B
RTO-14210C (Thrushaft option use BJ mounting)	FULL-32	10	45R&47B
RTO-14607LL	FULL-5	7+2	45R&47B
RTO-14608LL	FULL-16	8+2	45R&47B
RTO-14609A	FULL-16	8+1	45R&47B
RTO-14609B (Thrushaft option use AU mounting)	FULL-17	9	45R&47B
RTO-14609LL	FULL-16	9	45R&47B
RTO-14609P (Thrushaft option use AU mounting)	FULL-16	9	45R&47B
RTO-14609R	FULL-16	9	45R&47B
RTO-14610	FULL-18	10	45R&47B
RTO-14613	FULL-1	13	45R&47B
RTO-14615	FULL-18	15	45R&47B
RTO-14618	FULL-1	18	45R&47B
RTO-14708LL (Thrushaft option use BD mounting)	FULL-16	8+2	45R&47B
RTO-14709A	FULL-16	9	45R&47B
RTO-14709B	FULL-17	9	45R&47B
RTO-14709H (Thrushaft option use AU mounting)	FULL-17	9	45R&47B
RTO-14709LL	FULL-17	9+2	45R&47B
RTO-14709MLL	FULL-17	9+2	45R&47B
RTO-14710B	FULL-16	10	45R&47B
RTO-14710B-AS2	FULL-16	10	45R&47B
RTO-14710C	FULL-17	10	45R&47B
RTO-14710C-AS2	FULL-17	10	45R&47B
RTO-14715 (Thrushaft option use BD mounting)	FULL-18	15	45R&47B
RTO-14813	FULL-1	13	45R&47B
RTO-14908LL	FULL-16	8+2	45R&47B
RTO-14908ALL	FULL-17	11	45R&47B
RTO-14909ALL	FULL-17	11	45R&47B
RTO-14909MLL	FULL-17	9+2	45R&47B
RTO-14910B-AS2	FULL-16	10	45R&47B
RTO-14910B-DM2 (UltraShift)	N/A	10	45R&47B
RTO-14910C-AS2	FULL-17	10	45R&47B
RTO-14915	FULL-18	15	45R&47B
RTO-15210C	FULL-32	10	45R&47B
RTO-15210C (Thrushaft option use BJ mounting)	FULL-32	10	45R&47B
RTO-15613	FULL-1	13	45R&47B
RTO-15615	FULL-18	15	45R&47B
RTO-15618	FULL-1	18	45R&47B
RTO-15710B	FULL-16	10	45R&47B
RTO-15710C	FULL-17	10	45R&47B
RTO-15715	FULL-18	15	45R&47B



### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RTO-15710B	FULL-16	10	45R&47B
RTO-15813	FULL-1	13	45R&47B
RTO-16109A-AT	FULL-30	9	45R&47B
RTO-16109A-ATE	FULL-30	9	45R&47B
RTO-16109A-ATE (Thrushaft option use AU mounting)	FULL-30	9	45R&47B
RTO-16109B-AT	FULL-31	9	45R&47B
RTO-16109B-ATE (Thrushaft option use AU mounting)	FULL-31	9	45R&47B
RTO-16210C	FULL-32	10	45R&47B
RTO-16210C (Thrushaft option use BJ mounting)	FULL-32	10	45R&47B
RTO-16709B	FULL-17	9	45R&47B
RTO-16709H	FULL-17	9	45R&47B
RTO-16710B	FULL-16	10	45R&47B
RTO-16710B-AS2	FULL-16	10	45R&47B
RTO-16710C	FULL-17	10	45R&47B
RTO-16710C-AS2	FULL-17	10	45R&47B
RTO-16908LL	FULL-16	8+2	45R&47B
RTO-16909ALL	FULL-17	11	45R&47B
RTO-16910B-AS	FULL-16	10	45R&47B
RTO-16910B-AS2	FULL-16	10	45R&47B
RTO-16910B-DM2 (UltraShift)	N/A	10	45R&47B
RTO-16910C-AS2	FULL-17	10	45R&47B
RTO-16915	FULL-18	15	45R&47B
RTO-18910B-AS2	FULL-17	10	45R&47B
RTO-510	FULL-8	10	33R&33B
RTO-609	FULL-8	9	33R&33B
RTO-610	FULL-8	10	33R&33B
RTO-613	FULL-8	13	33R&33B
RTO-6610	FULL-8	10	33R&33B
RTO-6613	FULL-8	13	33R&33B
RTO-7613	FULL-7	13	33R&33B
RTO-909A	FULL-16	8+1	45R&47B
RTO-909B	FULL-17	8+1	45R&47B
RTO-910	FULL-2	10	45R&47B
RTO-9109A-AT	FULL-30	9	45R&47B
RTO-9109A-MAT (AUTOMATIC)	FULL-30	9	45R&47B
RTO-9109B-AT	FULL-31	9	45R&47B
RTO-9109B-MAT	FULL-31	9	45R&47B
RTO-913	FULL-1	13	45R&47B
RTO-913A	FULL-1	13	45R&47B
RTO-915	FULL-2	15	45R&47B
RTO-9508LL	FULL-16	8	45R&47B
RTO-9509A	FULL-16	8+1	45R&47B
RTO-9509B	FULL-17	8+1	45R&47B
RTO-9513	FULL-1	13	45R&47B
RTO-14909ALL	FULL-17	11	45R&47B
RTOC-16909A (Convertible 9 to 13 Speed)	FULL-17	9	45R&47B
RTOF-12913A (AUSTRALIA)	FULL-17	13	45R&47B
RTOF-909A	FULL-16	8+1	45R&47B

### Fuller Transmission Index - *cont'd.*

TRANSMISSION MAKE and MODEL	P.T.O.	No.	TEETH
	APPL. NUMBER	FWD. SPEEDS	IN PTO DRIVER
RTOF-909B	FULL-17	8+1	45R&47B
RTOF-910	FULL-2	10	45R&47B
RTOF-915	FULL-2	15	45R&47B
RTOF-9513	FULL-1	13	45R&47B
RTOO-11613	FULL-17	13	45R&47B
RTOO-11707LL	FULL-5	7+2	45R&47B
RTOO-14613	FULL-17	13	45R&47B
RTOO-913	FULL-15	13	45R&47B
RTOO-9513	FULL-17	13	45R&47B
RTOOF-913	FULL-15	13	45R&47B
RTS-12316	N/A	12	47R&47B
FTS-12316A	N/A	12	47R&47B
RTS-17316	N/A	12	47R&47B
RTS-17316A	N/A	12	47R&47B
RTSO-12316	N/A	12	47R&47B
RTSO-12316A	N/A	12	47R&47B
RTSO-17316	N/A	12	47R&47B
RTSO-17316A	N/A	12	47R&47B
RTX-11609B	FULL-17	9	45R&47B
RTX-11609P	FULL-16	9	45R&47B
RTX-11609R (Thrushaft option use AT mounting)	FULL-16	8+1	45R&47B
RTX-11710B (Thrushaft option use AU mounting)	FULL-16	10	45R&47B
RTX-11710C (Thrushaft option use AU mounting)	FULL-17	10	45R&47B
RTX-12609B (Thrushaft option use AT mounting)	FULL-17	9	45R&47B
RTX-12609P	FULL-16	9	45R&47B
RTX-12609R	FULL-16	9	45R&47B
RTX-12709H	FULL-17	9	45R&47B
RTX-12710B (Thrushaft option use AU mounting)	FULL-16	10	45R&47B
RTX-12710C (Thrushaft option use AU mounting)	FULL-17	10	45R&47B
RTX-13609B (Thrushaft option use AT mounting)	FULL-17	9	45R&47B
RTX-13609B	FULL-17	9	45R&47B
RTX-13709H	FULL-17	9	45R&47B
RTX-13710B	FULL-16	10	45R&47B
RTX-13710C (Thrushaft option use AU mounting)	FULL-17	10	45R&47B
RTX-14609B	FULL-17	9	45R&47B
RTX-14609R (Thrushaft option use AU mounting)	FULL-16	8+1	45R&47B
RTX-14708LL	FULL-16	8	45R&47B
RTX-14709H	FULL-17	9	45R&47B
RTX-14710B (Thrushaft option use AU mounting)	FULL-16	10	45R&47B
RTX-14710C (Thrushaft option use AU mounting)	FULL-17	10	45R&47B
RTX-14715	FULL-18	15	45R&47B
RTX-15710B	FULL-16	10	45R&47B
RTX-15715	FULL-18	15	45R&47B
RTX-16709B	FULL-17	9	45R&47B
RTX-16709H	FULL-17	9	45R&47B
RTX-16710B	FULL-16	10	45R&47B
RTX-16710X	FULL-17	10	45R&47B
RTX-510	FULL-8	10	33R&33B

**Fuller Transmission Index - *cont'd.***

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-1050A	N/A	6	47R&47B
T-1056A	N/A	6	47R&47B
T-1056AA	N/A	6	47R&47B
T-11605A	FULL-3	5	45R&47B
T-11605B	FULL-4	5	45R&47B
T-11605C	FULL-9	5	45R&47B
T-11605D	FULL-11	5	45R&47B
T-11605F	FULL-9	5	45R&47B
T-11605M	FULL-11	5	45R&47B
T-11606	N/A	6	78R&78L
T-11607	N/A	7	78R&78L
T-11607A	N/A	7	78R&78L
T-11607B	N/A	7	78R&78L
T-14607A	FULL-27	7	78R&78L
T-14607B	FULL-27	7	78R&78L
T-8607A	N/A	7	78R&78L
T-8607B	N/A	7	78R&78L
T-905A	FULL-3	5	45R&47B
T-905B	FULL-4	5	45R&47B
T-905C	FULL-9	5	45R&47B
T-905D	FULL-11	5	45R&47B
T-905E	FULL-2	5	45R&47B
T-905F	FULL-13	5	45R&47B
T-905G	FULL-1	5	45R&47B
T-905H	FULL-3	5	45R&47B
T-905M	FULL-11	5	45R&47B
T-905P	FULL-3	5	45R&47B
T-955AL	FULL-3	6	45R&47B
T-955ALL	FULL-3	6	45R&47B
T-955GL	FULL-1	5	45R&47B
TA-4510	FULL-1	10	45R&47B
TA-7610	FULL-1	10	45R&47B
TO-11605A	FULL-5	5	45R&47B
TO-11605B	FULL-6	5	45R&47B
TO-11605C	FULL-10	5	45R&47B
TO-11605D	FULL-12	5	45R&47B
TO-14607B-ASX	FULL-27	7	78R&78B
TO-905A	FULL-5	5	45R&47B
TO-905B	FULL-6	5	45R&47B
TO-905C	FULL-10	5	45R&47B
TO-955AL	FULL-5	5	45R&47B
TO-955ALL	FULL-5	7	45R&47B
TO-955DLL	FULL-5	7	45R&47B
TS-11612	N/A	12	78R&78L
TSO-11612	N/A	12	78R&78L
TSO-15612	N/A	12	78R&78L
TX-1407B	FULL-28	7	78R&78B
TX-14607B	FULL-28	7	78R&78L

### Fuller Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
4106	N/A	6	47L
4106 O/D (OVERDRIVE VERSION)	N/A	7	47L
4106A	N/A	6	45L
4106A (MACK MIDLINERS)	N/A	6	45L
4106B	N/A	6	43L

## XII. PTO APPLICATION



Fuller

FUL1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(70)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	79			Included	250	49	
MH6SC01X(1)1(2)	OPP	105			Included	250	49	
MH6SE01X(1)1(2)	OPP	125			Included	225	44	
MH6SJ01X(1)1(2)	OPP	137			Included	225	44	
MH6SO01X(1)1(2)	OPP	179			Included	200	39	
MH6SR01X(1)1(2)	OPP	196			Included	200	39	
MH6SS01X(1)1(2)	OPP	215			Included	190	37	
MH6ST01X(1)1(2)	OPP	236			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	75			Included	250	49	
MH8SB01X(1)1(2)	OPP	82			Included	250	49	
MH8SC01X(1)1(2)	OPP	109			Included	250	49	
MH8SE01X(1)1(2)	OPP	131			Included	225	44	
MH8SJ01X(1)1(2)	OPP	143			Included	225	44	
MH8SO01X(1)1(2)	OPP	187			Included	200	39	
MH8SR01X(1)1(2)	OPP	205			Included	200	39	
MH8SS01X(1)1(2)	OPP	224			Included	190	37	
MH8ST01X(1)1(2)	OPP	246			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	82			Included	505	95	
MHD8SC01X(3)3(4)	OPP	101			Included	505	95	
MHD8SE01X(3)3(4)	OPP	123			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	150			Included	405	95	
MHD8SO01(3)3(4)	OPP	182			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(865)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	97			Included	250	49	
MH6SC01X(1)1(2)	OPP	129			Included	250	49	
MH6SE01X(1)1(2)	OPP	155			Included	225	44	
MH6SJ01X(1)1(2)	OPP	169			Included	225	44	
MH6SO01X(1)1(2)	OPP	221			Included	200	39	
MH6SR01X(1)1(2)	OPP	242			Included	200	39	
MH6SS01X(1)1(2)	OPP	265			Included	190	37	
MH6ST01X(1)1(2)	OPP	291			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	92			Included	250	49	
MH8SB01X(1)1(2)	OPP	102			Included	250	49	
MH8SC01X(1)1(2)	OPP	135			Included	250	49	
MH8SE01X(1)1(2)	OPP	162			Included	225	44	
MH8SJ01X(1)1(2)	OPP	177			Included	225	44	
MH8SO01X(1)1(2)	OPP	231			Included	200	39	
MH8SR01X(1)1(2)	OPP	253			Included	200	39	
MH8SS01X(1)1(2)	OPP	277			Included	190	37	
MH8ST01X(1)1(2)	OPP	304			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	106			Included	505	95	
MHD8SC01X(3)3(4)	OPP	131			Included	505	95	
MHD8SE01X(3)3(4)	OPP	159			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	194			Included	405	95	
MHD8SO01(3)3(4)	OPP	235			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(70)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	79			Included	250	49	
MH6SC01X(1)1(2)	OPP	105			Included	250	49	
MH6SE01X(1)1(2)	OPP	125			Included	225	44	
MH6SJ01X(1)1(2)	OPP	137			Included	225	44	
MH6SO01X(1)1(2)	OPP	179			Included	200	39	
MH6SR01X(1)1(2)	OPP	196			Included	200	39	
MH6SS01X(1)1(2)	OPP	215			Included	190	37	
MH6ST01X(1)1(2)	OPP	236			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	75			Included	250	49	
MH8SB01X(1)1(2)	OPP	82			Included	250	49	
MH8SC01X(1)1(2)	OPP	109			Included	250	49	
MH8SE01X(1)1(2)	OPP	131			Included	225	44	
MH8SJ01X(1)1(2)	OPP	143			Included	225	44	
MH8SO01X(1)1(2)	OPP	187			Included	200	39	
MH8SR01X(1)1(2)	OPP	205			Included	200	39	
MH8SS01X(1)1(2)	OPP	224			Included	190	37	
MH8ST01X(1)1(2)	OPP	246			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	86			Included	505	95	
MHD8SC01X(3)3(4)	OPP	106			Included	505	95	
MHD8SE01X(3)3(4)	OPP	129			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	157			Included	405	95	
MHD8SO01(3)3(4)	OPP	190			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL4

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(533)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	60			Included	250	49	3
MH6SC01X(1)1(2)	OPP	80			Included	250	49	3
MH6SE01X(1)1(2)	OPP	95			Included	225	44	3
MH6SJ01X(1)1(2)	OPP	104			Included	225	44	3
MH6SO01X(1)1(2)	OPP	136			Included	200	39	3
MH6SR01X(1)1(2)	OPP	149			Included	200	39	3
MH6SS01X(1)1(2)	OPP	164			Included	190	37	3
MH6ST01X(1)1(2)	OPP	180			Included	175	34	3

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	57			Included	250	49	3
MH8SB01X(1)1(2)	OPP	63			Included	250	49	3
MH8SC01X(1)1(2)	OPP	83			Included	250	49	3
MH8SE01X(1)1(2)	OPP	100			Included	225	44	3
MH8SJ01X(1)1(2)	OPP	109			Included	225	44	3
MH8SO01X(1)1(2)	OPP	142			Included	200	39	3
MH8SR01X(1)1(2)	OPP	156			Included	200	39	3
MH8SS01X(1)1(2)	OPP	171			Included	190	37	3
MH8ST01X(1)1(2)	OPP	188			Included	175	34	3

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	66			Included	505	95	
MHD8SC01X(3)3(4)	OPP	81			Included	505	95	
MHD8SE01X(3)3(4)	OPP	98			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	120			Included	405	95	
MHD8SO01(3)3(4)	OPP	145			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)



## XII. PTO APPLICATION



Fuller

FUL5

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(821)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	92			Included	250	49	
MH6SC01X(1)1(2)	OPP	123			Included	250	49	
MH6SE01X(1)1(2)	OPP	147			Included	225	44	
MH6SJ01X(1)1(2)	OPP	161			Included	225	44	
MH6SO01X(1)1(2)	OPP	210			Included	200	39	
MH6SR01X(1)1(2)	OPP	230			Included	200	39	
MH6SS01X(1)1(2)	OPP	252			Included	190	37	
MH6ST01X(1)1(2)	OPP	277			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	88			Included	250	49	
MH8SB01X(1)1(2)	OPP	96			Included	250	49	
MH8SC01X(1)1(2)	OPP	128			Included	250	49	
MH8SE01X(1)1(2)	OPP	153			Included	225	44	
MH8SJ01X(1)1(2)	OPP	168			Included	225	44	
MH8SO01X(1)1(2)	OPP	219			Included	200	39	
MH8SR01X(1)1(2)	OPP	240			Included	200	39	
MH8SS01X(1)1(2)	OPP	263			Included	190	37	
MH8ST01X(1)1(2)	OPP	289			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	101			Included	505	95	
MHD8SC01X(3)3(4)	OPP	124			Included	505	95	
MHD8SE01X(3)3(4)	OPP	151			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	184			Included	405	95	
MHD8SO01(3)3(4)	OPP	223			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL6

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(619)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	70			Included	250	49	
MH6SC01X(1)1(2)	OPP	92			Included	250	49	
MH6SE01X(1)1(2)	OPP	111			Included	225	44	
MH6SJ01X(1)1(2)	OPP	121			Included	225	44	
MH6SO01X(1)1(2)	OPP	158			Included	200	39	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	66			Included	250	49	
MH8SB01X(1)1(2)	OPP	73			Included	250	49	
MH8SC01X(1)1(2)	OPP	97			Included	250	49	
MH8SE01X(1)1(2)	OPP	116			Included	225	44	
MH8SJ01X(1)1(2)	OPP	126			Included	225	44	
MH8SO01X(1)1(2)	OPP	165			Included	200	39	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	76			Included	505	95	
MHD8SC01X(3)3(4)	OPP	94			Included	505	95	
MHD8SE01X(3)3(4)	OPP	114			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	139			Included	405	95	
MHD8SO01(3)3(4)	OPP	168			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL7

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 33 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Rear of Centerline 33 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(732)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	OPP	60			Included	250	49	3
MH6SC01X(1)4(2)	OPP	80			Included	250	49	3
MH6SE01X(1)4(2)	OPP	96			Included	225	44	3
MH6SJ01X(1)4(2)	OPP	105			Included	225	44	3
MH6SO01X(1)4(2)	OPP	137			Included	200	39	3
MH6SR01X(1)4(2)	OPP	150			Included	200	39	3
MH6SS01X(1)4(2)	OPP	165			Included	190	37	3
MH6ST01X(1)4(2)	OPP	181			Included	175	34	3

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SB01X(1)4(2)	OPP	60			Included	250	49	
MH8SC01X(1)4(2)	OPP	80			Included	250	49	
MH8SE01X(1)4(2)	OPP	96			Included	225	44	
MH8SJ01X(1)4(2)	OPP	105			Included	225	44	
MH8SO01X(1)4(2)	OPP	137			Included	200	39	
MH8SR01X(1)4(2)	OPP	150			Included	200	39	
MH8SS01X(1)4(2)	OPP	165			Included	190	37	
MH8ST01X(1)4(2)	OPP	181			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	63			Included	505	95	
MHD8SC01X(3)3(4)	OPP	78			Included	505	95	
MHD8SE01X(3)3(4)	OPP	95			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	115			Included	405	95	
MHD8SO01(3)3(4)	OPP	139			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL8

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 33 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Rear of Centerline 33 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	OPP	78			Included	250	49	3
MH6SC01X(1)4(2)	OPP	99			Included	250	49	3
MH6SE01X(1)4(2)	OPP	106			Included	225	44	3
MH6SJ01X(1)4(2)	OPP	123			Included	225	44	3
MH6SO01X(1)4(2)	OPP	151			Included	200	39	3
MH6SR01X(1)4(2)	OPP	168			Included	200	39	3
MH6SS01X(1)4(2)	OPP	186			Included	190	37	3
MH6ST01X(1)4(2)	OPP	193			Included	175	34	3

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SB01X(1)4(2)	OPP	78			Included	250	49	3
MH8SC01X(1)4(2)	OPP	99			Included	250	49	3
MH8SE01X(1)4(2)	OPP	106			Included	225	44	3
MH8SJ01X(1)4(2)	OPP	123			Included	225	44	3
MH8SO01X(1)4(2)	OPP	151			Included	200	39	3
MH8SR01X(1)4(2)	OPP	168			Included	200	39	3
MH8SS01X(1)4(2)	OPP	186			Included	190	37	3
MH8ST01X(1)4(2)	OPP	193			Included	175	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL9

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(51)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	57			Included	250	49	3
MH6SC01X(1)1(2)	OPP	76			Included	250	49	3
MH6SE01X(1)1(2)	OPP	91			Included	225	44	3
MH6SJ01X(1)1(2)	OPP	100			Included	225	44	3
MH6SO01X(1)1(2)	OPP	130			Included	200	39	3
MH6SR01X(1)1(2)	OPP	143			Included	200	39	3
MH6SS01X(1)1(2)	OPP	156			Included	190	37	3
MH6ST01X(1)1(2)	OPP	172			Included	175	34	3

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	54			Included	250	49	3
MH8SB01X(1)1(2)	OPP	60			Included	250	49	3
MH8SC01X(1)1(2)	OPP	80			Included	250	49	3
MH8SE01X(1)1(2)	OPP	95			Included	225	44	3
MH8SJ01X(1)1(2)	OPP	104			Included	225	44	3
MH8SO01X(1)1(2)	OPP	136			Included	200	39	3
MH8SR01X(1)1(2)	OPP	149			Included	200	39	3
MH8SS01X(1)1(2)	OPP	163			Included	190	37	3
MH8ST01X(1)1(2)	OPP	179			Included	175	34	3

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	63			Included	505	95	
MHD8SC01X(3)3(4)	OPP	77			Included	505	95	
MHD8SE01X(3)3(4)	OPP	94			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	114			Included	405	95	
MHD8SO01(3)3(4)	OPP	138			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL10

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(603)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	68			Included	250	49	
MH6SC01X(1)1(2)	OPP	90			Included	250	49	
MH6SE01X(1)1(2)	OPP	108			Included	225	44	
MH6SJ01X(1)1(2)	OPP	118			Included	225	44	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	64			Included	250	49	
MH8SB01X(1)1(2)	OPP	71			Included	250	49	
MH8SC01X(1)1(2)	OPP	94			Included	250	49	
MH8SE01X(1)1(2)	OPP	113			Included	225	44	
MH8SJ01X(1)1(2)	OPP	123			Included	225	44	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	74			Included	505	95	
MHD8SC01X(3)3(4)	OPP	91			Included	505	95	
MHD8SE01X(3)3(4)	OPP	111			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	135			Included	405	95	
MHD8SO01(3)3(4)	OPP	164			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL11

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(619)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	70			Included	250	49	
MH6SC01X(1)1(2)	OPP	92			Included	250	49	
MH6SE01X(1)1(2)	OPP	111			Included	225	44	
MH6SJ01X(1)1(2)	OPP	121			Included	225	44	
MH6SO01X(1)1(2)	OPP	158			Included	200	39	
MH6SR01X(1)1(2)	OPP	173			Included	200	39	
MH6SS01X(1)1(2)	OPP	190			Included	190	37	
MH6ST01X(1)1(2)	OPP	209			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	66			Included	250	49	
MH8SB01X(1)1(2)	OPP	73			Included	250	49	
MH8SC01X(1)1(2)	OPP	97			Included	250	49	
MH8SE01X(1)1(2)	OPP	116			Included	225	44	
MH8SJ01X(1)1(2)	OPP	126			Included	225	44	
MH8SO01X(1)1(2)	OPP	165			Included	200	39	
MH8SR01X(1)1(2)	OPP	181			Included	200	39	
MH8SS01X(1)1(2)	OPP	198			Included	190	37	
MH8ST01X(1)1(2)	OPP	218			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	76			Included	505	95	
MHD8SC01X(3)3(4)	OPP	94			Included	505	95	
MHD8SE01X(3)3(4)	OPP	114			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	139			Included	405	95	
MHD8SO01(3)3(4)	OPP	168			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL12

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(813)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	91			Included	250	49	3
MH6SC01X(1)1(2)	OPP	121			Included	250	49	3
MH6SE01X(1)1(2)	OPP	146			Included	225	44	3
MH6SJ01X(1)1(2)	OPP	159			Included	225	44	3
MH6SO01X(1)1(2)	OPP	208			Included	200	39	3

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	87			Included	250	49	3
MH8SB01X(1)1(2)	OPP	96			Included	250	49	3
MH8SC01X(1)1(2)	OPP	127			Included	250	49	3
MH8SE01X(1)1(2)	OPP	152			Included	225	44	3
MH8SJ01X(1)1(2)	OPP	166			Included	225	44	3
MH8SO01X(1)1(2)	OPP	217			Included	200	39	3
MH8SR01X(1)1(2)	OPP	238			Included	200	39	3
MH8SS01X(1)1(2)	OPP	261			Included	190	37	3
MH8ST01X(1)1(2)	OPP	286			Included	175	34	3

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	100			Included	505	95	
MHD8SC01X(3)3(4)	OPP	123			Included	505	95	
MHD8SE01X(3)3(4)	OPP	150			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	182			Included	405	95	
MHD8SO01(3)3(4)	OPP	221			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |



## XII. PTO APPLICATION



Fuller

FUL13

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(51)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	57			Included	250	49	
MH6SC01X(1)1(2)	OPP	76			Included	250	49	
MH6SE01X(1)1(2)	OPP	91			Included	225	44	
MH6SJ01X(1)1(2)	OPP	100			Included	225	44	
MH6SO01X(1)1(2)	OPP	130			Included	200	39	
MH6SR01X(1)1(2)	OPP	143			Included	200	39	
MH6SS01X(1)1(2)	OPP	156			Included	190	37	
MH6ST01X(1)1(2)	OPP	172			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	54			Included	250	49	
MH8SB01X(1)1(2)	OPP	60			Included	250	49	
MH8SC01X(1)1(2)	OPP	80			Included	250	49	
MH8SE01X(1)1(2)	OPP	95			Included	225	44	
MH8SJ01X(1)1(2)	OPP	104			Included	225	44	
MH8SO01X(1)1(2)	OPP	136			Included	200	39	
MH8SR01X(1)1(2)	OPP	149			Included	200	39	
MH8SS01X(1)1(2)	OPP	163			Included	190	37	
MH8ST01X(1)1(2)	OPP	179			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	63			Included	505	95	
MHD8SC01X(3)3(4)	OPP	77			Included	505	95	
MHD8SE01X(3)3(4)	OPP	94			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	114			Included	405	95	
MHD8SO01(3)3(4)	OPP	138			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL14

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	88			Included	250	49	
MH6SC01X(1)1(2)	OPP	112			Included	250	49	
MH6SE01X(1)1(2)	OPP	120			Included	225	44	
MH6SJ01X(1)1(2)	OPP	139			Included	225	44	
MH6SO01X(1)1(2)	OPP	171			Included	200	39	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	75			Included	250	49	
MH8SB01X(1)1(2)	OPP	92			Included	250	49	
MH8SC01X(1)1(2)	OPP	117			Included	250	49	
MH8SE01X(1)1(2)	OPP	125			Included	225	44	
MH8SJ01X(1)1(2)	OPP	145			Included	225	44	
MH8SO01X(1)1(2)	OPP	178			Included	200	39	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL15

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(788)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	89			Included	250	49	
MH6SC01X(1)1(2)	OPP	118			Included	250	49	
MH6SE01X(1)1(2)	OPP	141			Included	225	44	
MH6SJ01X(1)1(2)	OPP	154			Included	225	44	
MH6SO01X(1)1(2)	OPP	201			Included	200	39	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	84			Included	250	49	
MH8SB01X(1)1(2)	OPP	93			Included	250	49	
MH8SC01X(1)1(2)	OPP	123			Included	250	49	
MH8SE01X(1)1(2)	OPP	147			Included	225	44	
MH8SJ01X(1)1(2)	OPP	161			Included	225	44	
MH8SO01X(1)1(2)	OPP	210			Included	200	39	
MH8SR01X(1)1(2)	OPP	230			Included	200	39	
MH8SS01X(1)1(2)	OPP	253			Included	190	37	
MH8ST01X(1)1(2)	OPP	277			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	97			Included	505	95	
MHD8SC01X(3)3(4)	OPP	119			Included	505	95	
MHD8SE01X(3)3(4)	OPP	145			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	177			Included	405	95	
MHD8SO01(3)3(4)	OPP	214			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL16

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(94)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	106			Included	250	49	
MH6SC01X(1)1(2)	OPP	140			Included	250	49	
MH6SE01X(1)1(2)	OPP	168			Included	225	44	
MH6SJ01X(1)1(2)	OPP	184			Included	225	44	
MH6SO01X(1)1(2)	OPP	240			Included	200	39	
MH6SR01X(1)1(2)	OPP	263			Included	200	39	
MH6SS01X(1)1(2)	OPP	288			Included	190	37	
MH6ST01X(1)1(2)	OPP	317			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	100			Included	250	49	
MH8SB01X(1)1(2)	OPP	110			Included	250	49	
MH8SC01X(1)1(2)	OPP	147			Included	250	49	
MH8SE01X(1)1(2)	OPP	176			Included	225	44	
MH8SJ01X(1)1(2)	OPP	192			Included	225	44	
MH8SO01X(1)1(2)	OPP	251			Included	200	39	
MH8SR01X(1)1(2)	OPP	275			Included	200	39	
MH8SS01X(1)1(2)	OPP	301			Included	190	37	
MH8ST01X(1)1(2)	OPP	331			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	111			Included	505	95	
MHD8SC01X(3)3(4)	OPP	136			Included	505	95	
MHD8SE01X(3)3(4)	OPP	166			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	202			Included	405	95	
MHD8SO01(3)3(4)	OPP	244			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL17

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(79)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	89			Included	250	49	
MH6SC01X(1)1(2)	OPP	118			Included	250	49	
MH6SE01X(1)1(2)	OPP	141			Included	225	44	
MH6SJ01X(1)1(2)	OPP	154			Included	225	44	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	84			Included	250	49	
MH8SB01X(1)1(2)	OPP	93			Included	250	49	
MH8SC01X(1)1(2)	OPP	123			Included	250	49	
MH8SE01X(1)1(2)	OPP	148			Included	225	44	
MH8SJ01X(1)1(2)	OPP	161			Included	225	44	
MH8SO01X(1)1(2)	OPP	211			Included	200	39	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	93			Included	505	95	
MHD8SC01X(3)3(4)	OPP	114			Included	505	95	
MHD8SE01X(3)3(4)	OPP	139			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	170			Included	405	95	
MHD8SO01(3)3(4)	OPP	205			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL18

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(89)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	100			Included	250	49	
MH6SC01X(1)1(2)	OPP	133			Included	250	49	
MH6SE01X(1)1(2)	OPP	159			Included	225	44	
MH6SJ01X(1)1(2)	OPP	174			Included	225	44	
MH6SO01X(1)1(2)	OPP	228			Included	200	39	
MH6SR01X(1)1(2)	OPP	249			Included	200	39	
MH6SS01X(1)1(2)	OPP	273			Included	190	37	
MH6ST01X(1)1(2)	OPP	300			Included	175	34	

### BOTTOM SIDE ONLY

8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	95			Included	250	49	
MH8SB01X(1)1(2)	OPP	105			Included	250	49	
MH8SC01X(1)1(2)	OPP	139			Included	250	49	
MH8SE01X(1)1(2)	OPP	166			Included	225	44	
MH8SJ01X(1)1(2)	OPP	182			Included	225	44	
MH8SO01X(1)1(2)	OPP	238			Included	200	39	
MH8SR01X(1)1(2)	OPP	260			Included	200	39	
MH8SS01X(1)1(2)	OPP	285			Included	190	37	
MH8ST01X(1)1(2)	OPP	313			Included	175	34	

### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	105			Included	505	95	
MHD8SC01X(3)3(4)	OPP	129			Included	505	95	
MHD8SE01X(3)3(4)	OPP	157			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	191			Included	405	95	
MHD8SO01(3)3(4)	OPP	231			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL19

<b>TRANSMISSION Gear Data: TOP SIDE</b> R.H. 8- Bolt Opening - Gear Forward of Centerline 30 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7750" (19.6900MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 30 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0500" (26.6700MM)	(93)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### TOP SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA02X(1)3(2)	OPP	73			Included	250	49	
MH8SB02X(1)3(2)	OPP	81			Included	250	49	
MH8SC02X(1)3(2)	OPP	107			Included	250	49	
MH8SE02X(1)3(2)	OPP	128			Included	225	44	
MH8SJ02X(1)3(2)	OPP	140			Included	225	44	
MH8SO02X(1)3(2)	OPP	184			Included	200	39	
MH8SR02X(1)3(2)	OPP	201			Included	200	39	
MH8SS02X(1)3(2)	OPP	220			Included	190	37	
MH8ST02X(1)3(2)	OPP	242			Included	175	34	

### BOTTOM SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB02X(1)1(2)	OPP	81	MGA-6032		Included	250	49	
MH6SC02X(1)1(2)	OPP	107	MGA-6032		Included	250	49	
MH6SE02X(1)1(2)	OPP	128	MGA-6032		Included	225	44	
MH6SJ02X(1)1(2)	OPP	140	MGA-6032		Included	225	44	
MH6SO02X(1)1(2)	OPP	184	MGA-6032		Included	200	39	
MH6SR02X(1)1(2)	OPP	201	MGA-6032		Included	200	39	
MH8SS01X(1)1(2)	OPP	220	MGA-6032		Included	190	37	
MH8ST01X(1)1(2)	OPP	242	MGA-6032		Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL20

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(58)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	65			Included	250	49	
MH6SC01X(1)1(2)	OPP	87			Included	250	49	
MH6SE01X(1)1(2)	OPP	104			Included	225	44	
MH6SJ01X(1)1(2)	OPP	113			Included	225	44	
MH6SO01X(1)1(2)	OPP	148			Included	200	39	
MH6SR01X(1)1(2)	OPP	162			Included	200	39	
MH6SS01X(1)1(2)	OPP	178			Included	190	37	
MH6ST01X(1)1(2)	OPP	198			Included	175	34	

### BOTTOM SIDE ONLY

8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	62			Included	250	49	
MH8SB01X(1)1(2)	OPP	68			Included	250	49	
MH8SC01X(1)1(2)	OPP	90			Included	250	49	
MH8SE01X(1)1(2)	OPP	108			Included	225	44	
MH8SJ01X(1)1(2)	OPP	118			Included	225	44	
MH8SO01X(1)1(2)	OPP	155			Included	200	39	
MH8SR01X(1)1(2)	OPP	170			Included	200	39	
MH8SS01X(1)1(2)	OPP	186			Included	190	37	
MH8ST01X(1)1(2)	OPP	204			Included	175	34	

### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	68			Included	505	95	
MHD8SC01X(3)3(4)	OPP	84			Included	505	95	
MHD8SE01X(3)3(4)	OPP	102			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	124			Included	405	95	
MHD8SO01(3)3(4)	OPP	151			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)



## XII. PTO APPLICATION



Fuller

FUL21

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 33 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0900" (27.6900MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 33 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)
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(72)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	59			Included	250	49	
MH6SC01X(1)1(2)	OPP	79			Included	250	49	
MH6SE01X(1)1(2)	OPP	95			Included	225	44	
MH6SJ01X(1)1(2)	OPP	103			Included	225	44	
MH6SO01X(1)1(2)	OPP	135			Included	200	39	
MH6SR01X(1)1(2)	OPP	148			Included	200	39	
MH6SS01X(1)1(2)	OPP	162			Included	190	37	
MH6ST01X(1)1(2)	OPP	178			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	54			Included	250	49	
MH8SB01X(1)1(2)	OPP	59			Included	250	49	
MH8SC01X(1)1(2)	OPP	79			Included	250	49	
MH8SE01X(1)1(2)	OPP	95			Included	225	44	
MH8SJ01X(1)1(2)	OPP	103			Included	225	44	
MH8SO01X(1)1(2)	OPP	135			Included	200	39	
MH8SR01X(1)1(2)	OPP	148			Included	200	39	
MH8SS01X(1)1(2)	OPP	162			Included	190	37	
MH8ST01X(1)1(2)	OPP	178			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	60			Included	505	95	
MHD8SC01X(3)3(4)	OPP	73			Included	505	95	
MHD8SE01X(3)3(4)	OPP	89			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	108			Included	405	95	
MHD8SO01(3)3(4)	OPP	131			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL22

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 38 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 38 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)	(52)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC17X(1)1(2)	OPP	66	M6062		Included	250	49	
MH6SE17X(1)1(2)	OPP	79	M6062		Included	225	44	
MH6SJ17X(1)1(2)	OPP	86	M6062		Included	225	44	
MH6SO17X(1)1(2)	OPP	112	M6062		Included	200	39	
MH6SR17X(1)1(2)	OPP	123	M6062		Included	200	39	
MH6SS17X(1)1(2)	OPP	135	M6062		Included	190	37	
MH6ST17X(1)1(2)	OPP	148	M6062		Included	175	34	

### LEFT SIDE ONLY

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC17X(1)3(2)	OPP	66	M6062		Included	250	49	
MH6SE17X(1)3(2)	OPP	79	M6062		Included	225	44	
MH6SJ17X(1)3(2)	OPP	86	M6062		Included	225	44	
MH6SO17X(1)3(2)	OPP	112	M6062		Included	200	39	
MH6SR17X(1)3(2)	OPP	123	M6062		Included	200	39	
MH6SS17X(1)3(2)	OPP	135	M6062		Included	190	37	
MH6ST17X(1)3(2)	OPP	148	M6062		Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL23

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0000" (25.4000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0000" (25.4000MM)
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(48)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC17X(1)1(2)	OPP	62	M6165		MH170-3X	250	49	
MH6NE17X(1)1(2)	OPP	74	M6165		MH170-3X	225	44	

LEFT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC17X(1)3(2)	OPP	62	M6165		MH170-3X	250	49	
MH6NE17X(1)3(2)	OPP	74	M6165		MH170-3X	225	44	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL24

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 33 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: .9980" (25.3492MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Rear of Centerline 19 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
NOTHING AVAILABLE AT THIS TIME								

LEFT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC06X(1)4(2)	ENG	30			Included	250	49	
MH6SE06X(1)4(2)	ENG	36			Included	225	44	
MH6SJ06X(1)4(2)	ENG	40			Included	225	44	
MH6SO06X(1)4(2)	ENG	52			Included	200	39	
MH6SR06X(1)4(2)	ENG	57			Included	200	39	
MH6SS06X(1)4(2)	ENG	62			Included	190	37	
MH6ST06X(1)4(2)	ENG	68			Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL25

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 33 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: .9980" (25.3492MM)	(54)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Rear of Centerline 19 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)	(51)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
NOTHING AVAILABLE AT THIS TIME								

LEFT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC06X(1)4(2)	ENG	32			Included	250	49	
MH6SE06X(1)4(2)	ENG	39			Included	225	44	
MH6SJ06X(1)4(2)	ENG	42			Included	225	44	
MH6SO06X(1)4(2)	ENG	55			Included	200	39	
MH6SR06X(1)4(2)	ENG	60			Included	200	39	
MH6SS06X(1)4(2)	ENG	66			Included	190	37	
MH6ST06X(1)4(2)	ENG	73			Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL26

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 30 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: .8750" (22.2250MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Rear of Centerline 19 TEETH - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>NOTHING AVAILABLE AT THIS TIME</b>								

### LEFT SIDE ONLY

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC06X(1)4(2)	ENG	35			Included	250	49	
MH6SE06X(1)4(2)	ENG	37			Included	225	44	
MH6SJ06X(1)4(2)	ENG	41			Included	225	44	
MH6SO06X(1)4(2)	ENG	51			Included	200	39	
MH6SR06X(1)4(2)	ENG	56			Included	200	39	
MH6SS06X(1)4(2)	ENG	62			Included	190	37	
MH6ST06X(1)4(2)	ENG	67			Included	175	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL27

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 78 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9740" (24.7400MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 78 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8650" (21.9710MM)	(686)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC27X(1)3(2)	OPP	98	M6187		MH170-3X	250	49	
MH6NE27X(1)3(2)	OPP	117	M6187		MH170-3X	225	44	
MH6NJ27X(1)3(2)	OPP	128	M6187		MH170-3X	225	44	
MH6NO27X(1)3(2)	OPP	167	M6187		MH170-3X	200	39	
MH6NR27X(1)3(2)	OPP	183	M6187		MH170-3X	200	39	
MH6NS27X(1)3(2)	OPP	201	M6187		MH170-3X	190	37	
MH6NT27X(1)3(2)	OPP	220	M6187		MH170-3X	175	34	

### LEFT SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SC27X(1)3(2)	OPP	98	M8062		Included	250	49	
MH8SE27X(1)3(2)	OPP	117	M8062		Included	225	44	
MH8SJ27X(1)3(2)	OPP	128	M8062		Included	225	44	
MH8SO27X(1)3(2)	OPP	167	M8062		Included	200	39	
MH8SR27X(1)3(2)	OPP	183	M8062		Included	200	39	
MH8SS27X(1)3(2)	OPP	201	M8062		Included	190	37	
MH8ST27X(1)3(2)	OPP	220	M8062		Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL28

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 78 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9740" (24.7400MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Rear of Centerline 78 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8650" (21.9710MM)
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(513)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC27X(1)2(2)	OPP	73	M6187		MH170-3X	250	49	
MH6NE27X(1)2(2)	OPP	88	M6187		MH170-3X	225	44	
MH6NJ27X(1)2(2)	OPP	96	M6187		MH170-3X	225	44	

### LEFT SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SC27X(1)2(2)	OPP	73	MGA-8032		Included	250	49	
MH8SE27X(1)2(2)	OPP	88	MGA-8032		Included	225	44	
MH8SJ27X(1)2(2)	OPP	96	MGA-8032		Included	225	44	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |



## XII. PTO APPLICATION



Fuller

FUL29

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(70)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	79			Included	250	49	
MH6SC01X(1)1(2)	OPP	105			Included	250	49	
MH6SE01X(1)1(2)	OPP	125			Included	225	44	
MH6SJ01X(1)1(2)	OPP	137			Included	225	44	
MH6SO01X(1)1(2)	OPP	179			Included	200	39	
MH6SR01X(1)1(2)	OPP	196			Included	200	39	
MH6SS01X(1)1(2)	OPP	215			Included	190	37	
MH6ST01X(1)1(2)	OPP	236			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	75			Included	250	49	
MH8SB01X(1)1(2)	OPP	82			Included	250	49	
MH8SC01X(1)1(2)	OPP	109			Included	250	49	
MH8SE01X(1)1(2)	OPP	131			Included	225	44	
MH8SJ01X(1)1(2)	OPP	143			Included	225	44	
MH8SO01X(1)1(2)	OPP	187			Included	200	39	
MH8SR01X(1)1(2)	OPP	205			Included	200	39	
MH8SS01X(1)1(2)	OPP	224			Included	190	37	
MH8ST01X(1)1(2)	OPP	246			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	86			Included	505	95	
MHD8SC01X(3)3(4)	OPP	106			Included	505	95	
MHD8SE01X(3)3(4)	OPP	129			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	157			Included	405	95	
MHD8SO01(3)3(4)	OPP	190			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL30

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(94)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	106			Included	250	49	
MH6SC01X(1)1(2)	OPP	140			Included	250	49	
MH6SE01X(1)1(2)	OPP	168			Included	225	44	
MH6SJ01X(1)1(2)	OPP	184			Included	225	44	
MH6SO01X(1)1(2)	OPP	240			Included	200	39	
MH6SR01X(1)1(2)	OPP	263			Included	200	39	
MH6SS01X(1)1(2)	OPP	288			Included	190	37	
MH6ST01X(1)1(2)	OPP	317			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	100			Included	250	49	
MH8SB01X(1)1(2)	OPP	110			Included	250	49	
MH8SC01X(1)1(2)	OPP	147			Included	250	49	
MH8SE01X(1)1(2)	OPP	176			Included	225	44	
MH8SJ01X(1)1(2)	OPP	192			Included	225	44	
MH8SO01X(1)1(2)	OPP	251			Included	200	39	
MH8SR01X(1)1(2)	OPP	275			Included	200	39	
MH8SS01X(1)1(2)	OPP	301			Included	190	37	
MH8ST01X(1)1(2)	OPP	331			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	116			Included	505	95	
MHD8SC01X(3)3(4)	OPP	142			Included	505	95	
MHD8SE01X(3)3(4)	OPP	173			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	211			Included	405	95	
MHD8SO01(3)3(4)	OPP	255			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL31

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(79)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	93			Included	250	49	
MH6SC01X(1)1(2)	OPP	119			Included	250	49	
MH6SE01X(1)1(2)	OPP	128			Included	225	44	
MH6SJ01X(1)1(2)	OPP	148			Included	225	44	
MH6SO01X(1)1(2)	OPP	180			Included	200	39	
MH6SR01X(1)1(2)	OPP	201			Included	200	39	
MH6SS01X(1)1(2)	OPP	228			Included	190	37	
MH6ST01X(1)1(2)	OPP	237			Included	175	34	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	79			Included	250	49	
MH8SB01X(1)1(2)	OPP	98			Included	250	49	
MH8SC01X(1)1(2)	OPP	124			Included	250	49	
MH8SE01X(1)1(2)	OPP	133			Included	225	44	
MH8SJ01X(1)1(2)	OPP	154			Included	225	44	
MH8SO01X(1)1(2)	OPP	188			Included	200	39	
MH8SR01X(1)1(2)	OPP	210			Included	200	39	
MH8SS01X(1)1(2)	OPP	238			Included	190	37	
MH8ST01X(1)1(2)	OPP	247			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	97			Included	505	95	
MHD8SC01X(3)3(4)	OPP	119			Included	505	95	
MHD8SE01X(3)3(4)	OPP	146			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	177			Included	405	95	
MHD8SO01(3)3(4)	OPP	214			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL32

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(84)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6GB01X(1)1(2)	OPP	95			Included	250	49	3
MH6GC01X(1)1(2)	OPP	125			Included	250	49	3
MH6GE01X(1)1(2)	OPP	150			Included	225	44	3
MH6GJ01X(1)1(2)	OPP	164			Included	225	44	3
MH6GO01X(1)1(2)	OPP	215			Included	200	39	3

BOTTOM SIDE ONLY								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8GA01X(1)1(2)	OPP	90			Included	250	49	
MH8GB01X(1)1(2)	OPP	99			Included	250	49	
MH8GC01X(1)1(2)	OPP	131			Included	250	49	
MH8GE01X(1)1(2)	OPP	157			Included	225	44	
MH8GJ01X(1)1(2)	OPP	172			Included	225	44	
MH8GO01X(1)1(2)	OPP	224			Included	200	39	
MH8GR01X(1)1(2)	OPP	245			Included	200	39	
MH8GS01X(1)1(2)	OPP	269			Included	190	37	
MH8GT01X(1)1(2)	OPP	296			Included	175	34	
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8GB01X(3)3(4)	OPP	103			Included	505	95	
MHD8GC01X(3)3(4)	OPP	127			Included	505	95	
MHD8GE01X(3)3(4)	OPP	155			Included	505	95	
MHD8GJ01X(3)3(4)	OPP	188			Included	405	95	
MHD8GO01(3)3(4)	OPP	228			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL33

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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(65)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6GB01X(1)1(2)	OPP	73			Included	250	49	
MH6GC01X(1)1(2)	OPP	97			Included	250	49	
MH6GE01X(1)1(2)	OPP	116			Included	225	44	
MH6GJ01X(1)1(2)	OPP	127			Included	225	44	
MH6GO01X(1)1(2)	OPP	166			Included	200	39	

### BOTTOM SIDE ONLY

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8GB01X(1)1(2)	OPP	76			Included	250	49	
MH8GC01X(1)1(2)	OPP	101			Included	250	49	
MH8GE01X(1)1(2)	OPP	122			Included	225	44	
MH8GJ01X(1)1(2)	OPP	133			Included	225	44	
MH8GO01X(1)1(2)	OPP	174			Included	200	39	
MH8GR01X(1)1(2)	OPP	190			Included	200	39	
MH8GS01X(1)1(2)	OPP	208			Included	190	37	
MH8GT01X(1)1(2)	OPP	229			Included	175	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8GB01X(3)3(4)	OPP	80			Included	505	95	
MHD8GC01X(3)3(4)	OPP	98			Included	505	95	
MHD8GE01X(3)3(4)	OPP	120			Included	505	95	
MHD8GJ01X(3)3(4)	OPP	146			Included	405	95	
MHD8GO01(3)3(4)	OPP	176			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL34

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 47 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)	(87)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE ONLY								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6GB01X(1)1(2)	OPP	98			Included	250	49	
MH6GC01X(1)1(2)	OPP	130			Included	250	49	
MH6GE01X(1)1(2)	OPP	156			Included	225	44	
MH6GJ01X(1)1(2)	OPP	170			Included	225	44	
MH6GO01X(1)1(2)	OPP	222			Included	200	39	

BOTTOM SIDE ONLY								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8GA01X(1)1(2)	OPP	93			Included	250	49	
MH8GB01X(1)1(2)	OPP	102			Included	250	49	
MH8GC01X(1)1(2)	OPP	136			Included	250	49	
MH8GE01X(1)1(2)	OPP	163			Included	225	44	
MH8GJ01X(1)1(2)	OPP	178			Included	225	44	
MH8GO01X(1)1(2)	OPP	232			Included	200	39	
MH8GR01X(1)1(2)	OPP	254			Included	200	39	
MH8GS01X(1)1(2)	OPP	279			Included	190	37	
MH8GT01X(1)1(2)	OPP	306			Included	175	34	
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8GB01X(3)3(4)	OPP	107			Included	505	95	
MHD8GC01X(3)3(4)	OPP	132			Included	505	95	
MHD8GE01X(3)3(4)	OPP	160			Included	505	95	
MHD8GJ01X(3)3(4)	OPP	195			Included	405	95	
MHD8GO01(3)3(4)	OPP	236			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Fuller

FUL35

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 48 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .4900" (12.4460MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6 - Bolt Opening - Gear Forward of Centerline 48 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .4900" (12.4460MM)	(67)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC28X(1)1(2)	OPP	98	M6500		MH170-5X	250	49	3
MH6NE28X(1)1(2)	OPP	117	M6500		MH170-5X	225	44	3
MH6NJ28X(1)1(2)	OPP	128	M6500		MH170-5X	225	44	3
MH6NO28X(1)1(2)	OPP	168	M6500		MH170-5X	200	39	3
MH6NR28X(1)1(2)	OPP	183	M6500		MH170-5X	200	39	3
MH6NS28X(1)1(2)	OPP	201	M6500		MH170-5X	190	37	3
MH6NT28X(1)1(2)	OPP	221	M6500		MH170-5X	175	34	3

### LEFT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC28X(1)3(2)	OPP	98	M6500		MH170-5X	250	49	3
MH6NE28X(1)3(2)	OPP	117	M6500		MH170-5X	225	44	3
MH6NJ28X(1)3(2)	OPP	128	M6500		MH170-5X	225	44	3
MH6NO28X(1)3(2)	OPP	168	M6500		MH170-5X	200	39	3
MH6NR28X(1)3(2)	OPP	183	M6500		MH170-5X	200	39	3
MH6NS28X(1)3(2)	OPP	201	M6500		MH170-5X	190	37	3
MH6NT28X(1)3(2)	OPP	221	M6500		MH170-5X	175	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Fuller

FUL36

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 38 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6 - Bolt Opening - Gear Forward of Centerline 38 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)
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(54)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC17X(1)1(2)	OPP	68	M6062		Included	250	49	
MH6NE17X(1)1(2)	OPP	82	M6062		Included	225	44	
MH6NJ17X(1)1(2)	OPP	89	M6062		Included	225	44	
MH6NO17X(1)1(2)	OPP	117	M6062		Included	200	39	
MH6NR17X(1)1(2)	OPP	128	M6062		Included	200	39	
MH6NS17X(1)1(2)	OPP	140	M6062		Included	190	37	
MH6NT17X(1)1(2)	OPP	154	M6062		Included	175	34	

### LEFT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC17X(1)3(2)	OPP	68	M6062		Included	250	49	
MH6NE17X(1)3(2)	OPP	82	M6062		Included	225	44	
MH6NJ17X(1)3(2)	OPP	89	M6062		Included	225	44	
MH6NO17X(1)3(2)	OPP	117	M6062		Included	200	39	
MH6NR17X(1)3(2)	OPP	128	M6062		Included	200	39	
MH6NS17X(1)3(2)	OPP	140	M6062		Included	190	37	
MH6NT17X(1)3(2)	OPP	154	M6062		Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |



## XII. PTO APPLICATION



Fuller

FUL37

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1460" (29.1080MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6 - Bolt Opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1460" (29.1080MM)
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(52)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC42X(1)1(2)	OPP	62	M6062		Included	250	49	
MH6SE42X(1)1(2)	OPP	74	M6062		Included	225	44	
MH6SJ42X(1)1(2)	OPP	81	M6062		Included	225	44	
MH6SO42X(1)1(2)	OPP	106	M6062		Included	200	39	
MH6SR42X(1)1(2)	OPP	116	M6062		Included	200	39	
MH6SS42X(1)1(2)	OPP	127	M6062		Included	190	37	
MH6ST42X(1)1(2)	OPP	139	M6062		Included	175	34	

### LEFT SIDE ONLY

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC42X(1)3(2)	OPP	62	M6062		Included	250	49	
MH6SE42X(1)3(2)	OPP	74	M6062		Included	225	44	
MH6SJ42X(1)3(2)	OPP	81	M6062		Included	225	44	
MH6SO42X(1)3(2)	OPP	106	M6062		Included	200	39	
MH6SR42X(1)3(2)	OPP	116	M6062		Included	200	39	
MH6SS42X(1)3(2)	OPP	127	M6062		Included	190	37	
MH6ST42X(1)3(2)	OPP	139	M6062		Included	175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



### Getrag Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
360	GET-1	5	33R&33L

## XII. PTO APPLICATION



Getrag

GET1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	<b>TRANSMISSION Gear Data: LEFT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE OPENING

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### LEFT SIDE OPENING

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- (3) 4X4 Vehicles - 1988 and earlier vehicles have interference problems on this side.
- (4) the 1990 & 1991 Chevy Truck in the C/K chassis has different frame rails - Cab/Chassis with 60" or 80" cab to axle diamension will have straight frame rails and PTO's without adapters can be used  
All other versions will require an adapter assembly for interference problems.

### GM/Chevy Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
CH-465 (CODE MM4 1968 TO 1990)	CHEV-1	4	36R&36L
GM-20	CHEV-1	4	36R&36L
M-20	CHEV-1	4	36R&36L
NVG-4500 (Code MT8 1991 to Feb.1994)	N/A	5	32R&32L
NVG-4500 (Code MW3 After Feb. 1994)	N/A	5	30R&30L
SM-420 (4 Speed Synchro - Mesh)	CHEV-1	4	33L
SM-465 (GMC) (CODE MM4 1968 TO 1990)	CHEV-1	4	36R&36L
1000GM 3600 Cab/Chassis	N/A	5	64R
225955 (4 Speed Synchro - Mesh)	CHEV-1	4	33L
591550 (4 Speed Synchro - Mesh)	CHEV-1	4	33L
591592 (4 Speed Synchro - Mesh)	CHEV-1	4	33L
591682 (4 Speed Synchro - Mesh)	CHEV-1	4	33L
591703 (4 Speed Synchro - Mesh)	CHEV-1	4	33L
591705 (4 Speed Synchro - Mesh)	CHEV-1	4	33L

## XII. PTO APPLICATION



GM/Chevy

CHE1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline 36 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline 36 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE OPENING

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC11X(1)2(2)	OPP	45			MH170-89X	250	49	3
MH6SE11X(1)2(2)	OPP	48			MH170-89X	225	44	3
MH6SJ11X(1)2(2)	OPP	56			MH170-89X	225	44	3
MH6SO11X(1)2(2)	OPP	67			MH170-89X	200	39	3
MH6SR11X(1)2(2)	OPP	75			MH170-89X	200	39	3
MH6SS11X(1)2(2)	OPP	85			MH170-89X	190	37	3
MH6ST11X(1)2(2)	OPP	90			MH170-89X	175	34	3

### LEFT SIDE OPENING

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC11X(1)4(2)	OPP	45			MH170-89X	250	49	4
MH6SE11X(1)4(2)	OPP	48			MH170-89X	225	44	4
MH6SJ11X(1)4(2)	OPP	56			MH170-89X	225	44	4
MH6SO11X(1)4(2)	OPP	67			MH170-89X	200	39	4
MH6SR11X(1)4(2)	OPP	75			MH170-89X	200	39	4
MH6SS11X(1)4(2)	OPP	85			MH170-89X	190	37	4
MH6ST11X(1)4(2)	OPP	90			MH170-89X	175	34	4

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

**Hino Transmission Index**

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
KA	N/A	6	28L
KB	N/A	10	28L
LA	N/A	5	33L
LB	N/A	5	36L
LE05S CG Code	N/A	5	33L
LF05S Model 1415 & 1715	N/A	5	30L
LF05S Model 1415 & 1715 (After Jan. 1999)	N/A	5	29L
LF06S DG Code	N/A	6	34L
LF06S DH Code	N/A	6	33L
LF06S DJ Code	N/A	6	33L
LF06S Model 2218 & 2218LP	N/A	6	34L
LH05S	N/A	5	33L
LJ06S Model 2618, 3018 & 3020	N/A	6	36L
MF06S KK Code / Model 3320, 3323, 5523	N/A	6	28L
MG06S LK Code	N/A	6	37L
MG06S LL Code	N/A	6	39L

## XII. PTO APPLICATION



Hino

HIN1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	<b>TRANSMISSION Gear Data: LEFT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE OPENING</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

<b>LEFT SIDE OPENING</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- (3) 4X4 Vehicles - 1988 and earlier vehicles have interference problems on this side.
- (4) the 1990 & 1991 Chevy Truck in the C/K chassis has different frame rails - Cab/Chassis with 60" or 80" cab to axle diamension will have straight frame rails and PTO's without adapters can be used  
All other versions will require an adapter assembly for interference problems.

### Isuzu Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
ISUZU ELECTROMATIC 1989 Model Year	N/A	4	63L
MBD-5A (Spicer Australia Only)	N/A	5	34L
MBG-5A	N/A	5	34L
MBG-5B	N/A	5	35L
MBG-5C (Spicer Australia Only)	N/A	5	34L
MBG-5F	N/A	5	37L
MBG-5H	N/A	5	35L
MBP-6P	N/A	6	28L
MLD-6C	N/A	6	33L
MLD-6E	N/A	6	34L
MLD-6F	N/A	6	35L
MLD-6Q	N/A	6	36L
MLH-5G	N/A	5	40L
MZZ-6U Will Replace the MSA5D beginning in 2002	N/A	6	37L
450-43LE (Case Serial # 8D33394 and Later)	N/A	4	58L



## XII. PTO APPLICATION



Isuzu

IZU1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	<b>TRANSMISSION Gear Data: LEFT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

LEFT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

<b>(1) Pick Shifting Option</b> (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
<b>(2) Pick Output Option</b> (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION

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### Jatco Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
JATCO-Auto	N/A	4	63L

## XII. PTO APPLICATION



Jatco

JAT1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	TRANSMISSION Gear Data: LEFT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

LEFT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Mack Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
D107	MAK-3	10	37R&37L
D1070	MAK-4	10	37R&37L
DX1070	MAK-1	6	34R&34L
DX1071	MAK-1	6	34R&34L
DX1078	MAK-1	6	34R&34L
DX10780	MAK-1	6	34R&34L
DX10781	MAK-1	6	34R&34L
G1070	MAK-4	7	37R&37L
QL7220	MAK-2	20	38R&38L
T105 (Renault G405-1)	N/A	6	31R
T1050 (Renault BDSL-2152)	N/A	5	46R
T105A (Renault G405-0)	N/A	5	37R
T1060 (Renault BDSL-181)	N/A	6	33R
T106A (Renault G406-0)	N/A	6	37R
T107	MAK-3	6	37R&37L
T-1070	MAK-4	12	37R&37L
T-1070B	MAK-4	12	37R&37L
T1090 (Renault G409-0)	N/A	9	53R
T1100 (Renault BDSL-2142R)	N/A	10	53R
T2050	MAK-10	5	54R&54L
T2050C	MAK-14	5	48R&48L
T2060	MAK-10	6	54R&54L
T2060A	N/A	6	40R&40L
T2060C	MAK-14	6	48R&48L
T2070	MAK-10	7	54R&54L
T2070A (FRONT BOX)	MAK-10	7	54R&54L
T2070A (REAR BOX)	MAK-11	7	49R&49L
T2070B (FRONT BOX)	MAK-10	7	54R&54L
T2070B (REAR BOX)	MAK-11	7	49R&49L
T2070C	MAK-14	7	48R&48L
T2070D (FRONT BOX)	MAK-14	7	48R&48L
T2070D (REAR BOX)	MAK-11	7	49R&49L
T2070F	MAK-10	7	54R&54L
T2080	MAK-10	8	54R&54L
T2080B (FRONT BOX)	MAK-10	8	54R&54L
T2080B (REAR BOX)	MAK-11	8	49R&49L
T2080C	MAK-14	8	48R&48L
T2080D (FRONT BOX)	MAK-14	8	48R&48L
T2080D (REAR BOX)	MAK-11	8	49R&49L
T2090	MAK-8	9	54R&54L

## Mack Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T2090L	MAK-8	9	54R&54L
T2100	MAK-9	10	54R&54L
T2110B (REAR BOX FOR T2110B)	MAK-15	10	49R&49L
T2110B (FRONT BOX FOR T2110B)	MAK-9	10	54R&54L
T2130 (FRONT BOX)	MAK-8	13	54R&54L
T2130 (REAR BOX)	MAK-13	13	49R&49L
T2130B (FRONT BOX)	MAK-8	13	54R&54L
T2130B (REAR BOX)	MAK-13	13	49R&49L
T2180 (FRONT BOX)	MAK-8	18	54R&54L
T2180 (REAR BOX)	MAK-12	18	49R&49L
T2180B (FRONT BOX)	MAK-8	18	54R&54L
T2180B (REAR BOX)	MAK-12	18	49R&49L
T305	MAK-10	5	54R&54L
T306	MAK-10	6	54R&54L
T306G	N/A	6	40R&40L
T307	MAK-10	7	54R&54L
T307M (FRONT BOX)	MAK-10	7	54R&54L
T307M (REAR BOX)	MAK-11	7	49R&49L
T308	MAK-10	8	54R&54L
T308M (FRONT BOX)	MAK-10	8	54R&54L
T308M (REAR BOX)	MAK-11	8	49R&49L
T309	MAK-8	9	54R&54L
T309L	MAK-8	9	54R&54L
T309LR	MAK-8	9	54R&54L
T310 (T310 is a 10 speed w/o rear box)	MAK-16	10	53R&53L
T310M (FRONT BOX)	MAK-16	10	53R&53L
T310M (REAR BOX)	MAK-12	10	49R&49L
T310MLR (FRONT BOX)	MAK-8	10	54R&54L
T310MLR (REAR BOX)	MAK-12	10	49R&49L
T310ME (Front box, same as T310M, except long output flange)	MAK-16	10	53R&53L
T310ME (Rear box, same as T310M, except output flange)	MAK-12	10	49R&49L
T313L (FRONT BOX)	MAK-8	13	54R&54L
T313L (REAR BOX)	MAK-13	13	49R&49L
T313L21 (FRONT BOX)	MAK-8	13	54R&54L
T313L21 (REAR BOX)	MAK-13	13	49R&49L
T313LR (FRONT BOX)	MAK-8	13	54R&54L
T313LR (REAR BOX)	MAK-13	13	49R&49L
T313LR21 (FRONT BOX)	MAK-8	13	54R&54L
T313LR21 (REAR BOX)	MAK-13	13	49R&49L
T318L (FRONT BOX)	MAK-8	18	54R&54L

**Mack Transmission Index - *cont'd.***

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T318L (REARBOX)	MAK-12	18	49R&49L
T318L21 (FRONT BOX)	MAK-8	18	54R&54L
T318L21 (REAR BOX)	MAK-12	18	49R&49L
T318LR (FRONT BOX)	MAK-8	18	54R&54L
T318LR (REAR BOX)	MAK-12	18	49R&49L
T318LR21 (FRONT BOX)	MAK-8	18	54R&54L
T318LR21 (REAR BOX)	MAK-12	18	49R&49L
TM308	MAK-17	8	54R&54L
TM309	MAK-17	9	54R&54L
TR720-7220	MAK-2	5	38R&38L
TRD7250	MAK-2	10	38R&38L
TRDL-107	MAK-3	10	37R&37L
TRDL-1070	MAK-4	10	37R&37L
TRDL720-7220	MAK-2	10	38R&38L
TRDLG-1070	MAK-4	7	37R&37L
TRDX720-7220	MAK-2	10	38R&38L
TRDXL-107	MAK-1	6	34R&34L
TRDXL-1070	MAK-1	6	34R&34L
TRDXL-1071	MAK-1	6	34R&34L
TRDXL-1078	MAK-1	6	34R&34L
TRDXL-10780	MAK-1	6	34R&34L
TRDXL-10781	MAK-1	6	34R&34L
TRDXT720-7220	MAK-2	10	38R&38L
TRL-107	MAK-7	5	34R&34L
TRL-1076	MAK-1	5	34R&34L
TRL-10760	MAK-5	5	34R&34L
TRL-1078	MAK-1	5	34R&34L
TRL10780	MAK-5	5	34R&34L
TRQL7220	MAK-2	20	38R&38L
TRT720-7220	MAK-2	15	38R&38L
TRTL720-7220	MAK-2	15	38R&38L
TRTXL-107	MAK-3	12	37R&37L
TRTXL-1070	MAK-4	12	37R&37L
TRTXL-1070B	MAK-4	12	37R&37L
TRXL-107	MAK-3	6	37R&37L
TRXL-107A	MAK-3	6	37R&37L
TRXL-1070	MAK-6	6	37R&37L
TRXL-1070A	MAK-6	6	37R&37L
TRXL-1071	MAK-3	6	37R&37L
TRXL-1071A	MAK-3	6	37R&37L



**Mack Transmission Index - *cont'd.***

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
TRXL-10710	MAK-6	6	37R&37L
TRXL1076	MAK-1	6	34R&34L
TX2060	MAK-10	7	54R&54L
X-107	MAK-3	5	37R&37L
X-107A	MAK-3	6	37R&37L
X-1070	MAK-6	6	37R&37L
X1070-A	MAK-6	6	37R&37L
X1071	MAK-3	5	37R&37L
X1071-A	MAK-3	6	37R&37L
X10710	MAK-6	6	37R&37L
X10710-A	MAK-6	6	37R&37L
X2060	MAK-10	7	54R&54L
107	MAK-7	5	34R&34L
1076	MAK-1	5	34R&34L
10760	MAK-5	5	34R&34L
1078	MAK-1	5	34R&34L
10780	MAK-5	5	34R&34L
2050	MAK-10	5	54R&54L
2060	MAK-10	6	54R&54L
2090	MAK-8	9	54R&54L
2100	MAK-9	10	54R&54L

## XII. PTO APPLICATION



Mack

MAK1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 34 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.0850" (78.3600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 34 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	40		MAD530-1X	Included	255	49	3,4
MH6NC01X(1)1(2)	ENG	52		MAD530-1X	Included	255	49	3,4
MH6NE01X(1)1(2)	ENG	57		MAD530-1X	Included	230	44	3,4
MH6NJ01X(1)1(2)	ENG	68		MAD530-1X	Included	230	44	3,4
MH6NO01X(1)1(2)	ENG	85		MAD530-1X	Included	205	39	3,4
MH6NR01X(1)1(2)	ENG	93		MAD530-1X	Included	205	39	3,4
MH6NS01X(1)1(2)	ENG	101		MAD530-1X	Included	195	37	3,4
MH6NT01X(1)1(2)	ENG	118		MAD530-1X	Included	180	34	3,4

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	36			Included	255	49	5,6
MH8SB01X(1)3(2)	OPP	40			Included	255	49	5,6
MH8SC01X(1)3(2)	OPP	52			Included	255	49	5,6
MH8SE01X(1)3(2)	OPP	57			Included	230	44	5,6
MH8SJ01X(1)3(2)	OPP	68			Included	230	44	5,6
MH8SO01X(1)3(2)	OPP	85			Included	205	39	5,6
MH8SR01X(1)3(2)	OPP	93			Included	205	39	5,6
MH8SS01X(1)3(2)	OPP	101			Included	195	37	5,6
MH8ST01X(1)3(2)	OPP	118			Included	180	34	5,6

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	41			Included	505	95	5,6
MHD8SC01X(3)3(4)	OPP	50			Included	505	95	5,6
MHD8SE01X(3)3(4)	OPP	62			Included	505	95	5,6
MHD8SJ01X(3)3(4)	OPP	75			Included	405	95	5,6
MHD8SO01X(3)3(4)	OPP	91			Included	355	95	5,6

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) With gear selector lever in low range for front box, multiply speeds shown by factor listed for the transmission:	TRDXL-107,DX-107 Multiply by .595; TRDXL-1071,DX-1071 Multiply by .350
(6) With gear selector lever in high range for front box, multiply speeds shown by the factor listed for the transmission;	TRDXL-1070,DX-1070, TRDXL-10780,DX-10780 multiply by 1.62. This can cause excessive PTO speeds



# XII. PTO APPLICATION



**Mack**

**MAK2**

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline 38 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.0500" (77.4700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 38 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.0500" (77.4700MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

**RIGHT SIDE**

**6 BOLT - ONE SPEED - TWO GEAR**

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB02X(1)2(2)	ENG	69	MGA-6032(T)	MAD530-2X	MH170-16X	255	49	
MH6NC02X(1)2(2)	ENG	89	MGA-6032(T)	MAD530-2X	MH170-16X	255	49	
MH6NE02X(1)2(2)	ENG	98	MGA-6032(T)	MAD530-2X	MH170-16X	230	44	
MH6NJ02X(1)2(2)	ENG	117	MGA-6032(T)	MAD530-2X	MH170-16X	230	44	
MH6NO02X(1)2(2)	ENG	146	MGA-6032(T)	MAD530-2X	MH170-16X	205	39	
MH6NR02X(1)2(2)	ENG	159	MGA-6032(T)	MAD530-2X	MH170-16X	205	39	
MH6NS02X(1)2(2)	ENG	173	MGA-6032(T)	MAD530-2X	MH170-16X	195	37	
MH6NT02X(1)2(2)	ENG	198	MGA-6032(T)	MAD530-2X	MH170-16X	180	34	

**LEFT SIDE**

**8 BOLT - ONE SPEED - TWO GEAR**

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB02X(1)4(2)	ENG	69	MGA-6032(T)	MAD530-2X	MH170-16X	255	49	
MH6NC02X(1)4(2)	ENG	89	MGA-6032(T)	MAD530-2X	MH170-16X	255	49	
MH6NE02X(1)4(2)	ENG	98	MGA-6032(T)	MAD530-2X	MH170-16X	230	44	
MH6NJ02X(1)4(2)	ENG	117	MGA-6032(T)	MAD530-2X	MH170-16X	230	44	
MH6NO02X(1)4(2)	ENG	146	MGA-6032(T)	MAD530-2X	MH170-16X	205	39	
MH6NR02X(1)4(2)	ENG	159	MGA-6032(T)	MAD530-2X	MH170-16X	205	39	
MH6NS02X(1)4(2)	ENG	173	MGA-6032(T)	MAD530-2X	MH170-16X	195	37	
MH6NT02X(1)4(2)	ENG	198	MGA-6032(T)	MAD530-2X	MH170-16X	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(T) = Means Transmission Side	

## XII. PTO APPLICATION



Mack

MAK3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 37 TEETH - SPUR PITCH LINE TO APERTURE FACE: 2.8340" (71.9800MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 37 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5700" (14.4800MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	94	M6240(T)	MAD530-1X	Included	255	49	5
MH6NC01X(1)1(2)	ENG	121	M6240(T)	MAD530-1X	Included	255	49	5
MH6NE01X(1)1(2)	ENG	133	M6240(T)	MAD530-1X	Included	230	44	5
MH6NJ01X(1)1(2)	ENG	158	M6240(T)	MAD530-1X	Included	230	44	5
MH6NO01X(1)1(2)	ENG	197	M6240(T)	MAD530-1X	Included	205	39	5
MH6NR01X(1)1(2)	ENG	215	M6240(T)	MAD530-1X	Included	205	39	5
MH6NS01X(1)1(2)	ENG	234	M6240(T)	MAD530-1X	Included	195	37	5
MH6NT01X(1)1(2)	ENG	267	M6240(T)	MAD530-1X	Included	180	34	5

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	85	M8062/M8093		MH8170-8X	255	49	5
MH8SB01X(1)3(2)	OPP	94	M8062/M8093		MH8170-8X	255	49	5
MH8SC01X(1)3(2)	OPP	121	M8062/M8093		MH8170-8X	255	49	5
MH8SE01X(1)3(2)	OPP	133	M8062/M8093		MH8170-8X	230	44	5
MH8SJ01X(1)3(2)	OPP	158	M8062/M8093		MH8170-8X	230	44	5
MH8SO01X(1)3(2)	OPP	197	M8062/M8093		MH8170-8X	205	39	5
MH8SR01X(1)3(2)	OPP	215	M8062/M8093		MH8170-8X	205	39	5
MH8SS01X(1)3(2)	OPP	234	M8062/M8093		MH8170-8X	195	37	5
MH8ST01X(1)3(2)	OPP	267	M8062/M8093		MH8170-8X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	94	M8190		MH8170-14X	505	95	5
MHD8SC01X(3)3(4)	OPP	116	M8190		MH8170-14X	505	95	5
MHD8SE01X(3)3(4)	OPP	143	M8190		MH8170-14X	505	95	5
MHD8SJ01X(3)3(4)	OPP	174	M8190		MH8170-14X	405	95	5
MHD8SO01X(3)3(4)	OPP	211	M8190		MH8170-14X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/14-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) All speeds show are with transmission in 5th speed. For PTO speeds with the main transmission in all other gears, multiply speeds shown by the following for 1st-.116, 2nd - .200, 3rd - .353, 4th - .603.	

## XII. PTO APPLICATION



Mack

MAK4

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline 37 TEETH - SPUR PITCH LINE TO APERTURE FACE: 2.8340" (71.9800MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Rear of Centerline 37 TEETH - SPUR PITCH LINE TO APERTURE FACE: .3750" (9.5200MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)2(2)	ENG	122	M6240(T)	MAD530-1X	Included	255	49	5
MH6NC01X(1)2(2)	ENG	157	M6240(T)	MAD530-1X	Included	255	49	5
MH6NE01X(1)2(2)	ENG	172	M6240(T)	MAD530-1X	Included	230	44	5
MH6NJ01X(1)2(2)	ENG	205	M6240(T)	MAD530-1X	Included	230	44	5
MH6NO01X(1)2(2)	ENG	256	M6240(T)	MAD530-1X	Included	205	39	5
MH6NR01X(1)2(2)	ENG	279	M6240(T)	MAD530-1X	Included	205	39	5
MH6NS01X(1)2(2)	ENG	304	M6240(T)	MAD530-1X	Included	195	37	5
MH6NT01X(1)2(2)	ENG	345	M6240(T)	MAD530-1X	Included	180	34	5

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)4(2)	OPP	110	M8062/M8093		MH8170-8X	255	49	5
MH8SB01X(1)4(2)	OPP	122	M8062/M8093		MH8170-8X	255	49	5
MH8SC01X(1)4(2)	OPP	157	M8062/M8093		MH8170-8X	255	49	5
MH8SE01X(1)4(2)	OPP	172	M8062/M8093		MH8170-8X	230	44	5
MH8SJ01X(1)4(2)	OPP	205	M8062/M8093		MH8170-8X	230	44	5
MH8SO01X(1)4(2)	OPP	256	M8062/M8093		MH8170-8X	205	39	5
MH8SR01X(1)4(2)	OPP	279	M8062/M8093		MH8170-8X	205	39	5
MH8SS01X(1)4(2)	OPP	304	M8062/M8093		MH8170-8X	195	37	5
MH8ST01X(1)4(2)	OPP	345	M8062/M8093		MH8170-8X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	122	M8190		MH8170-14X	505	95	5
MHD8SC01X(3)3(4)	OPP	150	M8190		MH8170-14X	505	95	5
MHD8SE01X(3)3(4)	OPP	185	M8190		MH8170-14X	505	95	5
MHD8SJ01X(3)3(4)	OPP	226	M8190		MH8170-14X	405	95	5
MHD8SO01X(3)3(4)	OPP	273	M8190		MH8170-14X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) All speeds show are with transmission in 5th speed. For PTO speeds with the main transmission in all other gears, multiply speeds shown by the following for 1st-.116, 2nd - .200, 3rd - .353, 4th - .603.	

## XII. PTO APPLICATION



Mack

MAK5

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 34 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.0850" (78.3600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 34 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8050" (20.4500MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	68		MAD530-1X	Included	255	49	
MH6NC01X(1)1(2)	ENG	88		MAD530-1X	Included	255	49	
MH6NE01X(1)1(2)	ENG	97		MAD530-1X	Included	230	44	
MH6NJ01X(1)1(2)	ENG	115		MAD530-1X	Included	230	44	
MH6NO01X(1)1(2)	ENG	144		MAD530-1X	Included	205	39	
MH6NR01X(1)1(2)	ENG	157		MAD530-1X	Included	205	39	
MH6NS01X(1)1(2)	ENG	171		MAD530-1X	Included	195	37	
MH6NT01X(1)1(2)	ENG	194		MAD530-1X	Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	61			Included	255	49	
MH8SB01X(1)3(2)	OPP	88			Included	255	49	
MH8SC01X(1)3(2)	OPP	97			Included	255	49	
MH8SE01X(1)3(2)	OPP	115			Included	230	44	
MH8SJ01X(1)3(2)	OPP	144			Included	230	44	
MH8SO01X(1)3(2)	OPP	157			Included	205	39	
MH8SR01X(1)3(2)	OPP	171			Included	205	39	
MH8SS01X(1)3(2)	OPP	194			Included	195	37	
MH8ST01X(1)3(2)	OPP	188			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	68			Included	505	95	
MHD8SC01X(3)3(4)	OPP	84			Included	505	95	
MHD8SE01X(3)3(4)	OPP	104			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	127			Included	405	95	
MHD8SO01X(3)3(4)	OPP	154			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Mack

MAK6

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 37 TEETH - SPUR PITCH LINE TO APERTURE FACE: 2.8340" (71.9800MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 37 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5700" (14.4800MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	94	M6240(T)	MAD530-1X	Included	255	49	5
MH6NC01X(1)1(2)	ENG	121	M6240(T)	MAD530-1X	Included	255	49	5
MH6NE01X(1)1(2)	ENG	133	M6240(T)	MAD530-1X	Included	230	44	5
MH6NJ01X(1)1(2)	ENG	158	M6240(T)	MAD530-1X	Included	230	44	5
MH6NO01X(1)1(2)	ENG	197	M6240(T)	MAD530-1X	Included	205	39	5
MH6NR01X(1)1(2)	ENG	215	M6240(T)	MAD530-1X	Included	205	39	5
MH6NS01X(1)1(2)	ENG	234	M6240(T)	MAD530-1X	Included	195	37	5
MH6NT01X(1)1(2)	ENG	267	M6240(T)	MAD530-1X	Included	180	34	3

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	85	M8062/M8093		MH8170-8X	255	49	5
MH8SB01X(1)3(2)	OPP	94	M8062/M8093		MH8170-8X	255	49	5
MH8SC01X(1)3(2)	OPP	121	M8062/M8093		MH8170-8X	255	49	5
MH8SE01X(1)3(2)	OPP	133	M8062/M8093		MH8170-8X	230	44	5
MH8SJ01X(1)3(2)	OPP	158	M8062/M8093		MH8170-8X	230	44	5
MH8SO01X(1)3(2)	OPP	197	M8062/M8093		MH8170-8X	205	39	5
MH8SR01X(1)3(2)	OPP	215	M8062/M8093		MH8170-8X	205	39	5
MH8SS01X(1)3(2)	OPP	234	M8062/M8093		MH8170-8X	195	37	5
MH8ST01X(1)3(2)	OPP	267	M8062/M8093		MH8170-8X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	94	M8190		MH8170-14X	505	95	5
MHD8SC01X(3)3(4)	OPP	116	M8190		MH8170-14X	505	95	5
MHD8SE01X(3)3(4)	OPP	143	M8190		MH8170-14X	505	95	5
MHD8SJ01X(3)3(4)	OPP	174	M8190		MH8170-14X	405	95	5
MHD8SO01X(3)3(4)	OPP	211	M8190		MH8170-14X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) All speeds show are with transmission in 4th speed. For PTO speeds with the main transmission in all other gears, multiply speeds shown by the following for 1st-.1907, 2nd - .3282, 3rd - .5780, 4th - 1.6744.	

## XII. PTO APPLICATION



Mack

MAK7

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 34 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.0850" (78.3600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 34 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6250" (15.8800MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	40		MAD530-1X	Included	255	49	
MH6NC01X(1)1(2)	ENG	52		MAD530-1X	Included	255	49	
MH6NE01X(1)1(2)	ENG	57		MAD530-1X	Included	230	44	
MH6NJ01X(1)1(2)	ENG	68		MAD530-1X	Included	230	44	
MH6NO01X(1)1(2)	ENG	85		MAD530-1X	Included	205	39	
MH6NR01X(1)1(2)	ENG	93		MAD530-1X	Included	205	39	
MH6NS01X(1)1(2)	ENG	101		MAD530-1X	Included	195	37	
MH6NT01X(1)1(2)	ENG	118		MAD530-1X	Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	36			Included	255	49	
MH8SB01X(1)3(2)	OPP	40			Included	255	49	
MH8SC01X(1)3(2)	OPP	52			Included	255	49	
MH8SE01X(1)3(2)	OPP	57			Included	230	44	
MH8SJ01X(1)3(2)	OPP	68			Included	230	44	
MH8SO01X(1)3(2)	OPP	85			Included	205	39	
MH8SR01X(1)3(2)	OPP	93			Included	205	39	
MH8SS01X(1)3(2)	OPP	101			Included	195	37	
MH8ST01X(1)3(2)	OPP	118			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	41			Included	505	95	
MHD8SC01X(3)3(4)	OPP	50			Included	505	95	
MHD8SE01X(3)3(4)	OPP	62			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	75			Included	405	95	
MHD8SO01X(3)3(4)	OPP	91			Included	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Mack

MAK8

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM) <span style="float: right;">(.70)</span>
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	90	M6062		Included	255	49	
MH6DC24X(1)1(2)	OPP	120	M6062		Included	255	49	
MH6DE24X(1)1(2)	OPP	144	M6062		Included	230	44	
MH6DJ24X(1)1(2)	OPP	157	M6062		Included	230	44	
MH6DO24X(1)1(2)	OPP	205	M6062		Included	205	39	
MH6DR24X(1)1(2)	OPP	225	M6062		Included	205	39	
MH6DS24X(1)1(2)	OPP	247	M6062		Included	195	37	
MH6DT24X(1)1(2)	OPP	271	M6062		Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	90			Included	255	49	
MH8DC24X(1)3(2)	OPP	120			Included	255	49	
MH8DE24X(1)3(2)	OPP	144			Included	230	44	
MH8DJ24X(1)3(2)	OPP	157			Included	230	44	
MH8DO24X(1)3(2)	OPP	205			Included	205	39	
MH8DR24X(1)3(2)	OPP	225			Included	205	39	
MH8DS24X(1)3(2)	OPP	247			Included	195	37	
MH8DT24X(1)3(2)	OPP	271			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	130			Included	505	95	
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### FOOTNOTES: FOOTNOTES MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/14-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Mack

MAK9

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM) <span style="float: right;">(.65)</span>
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	84	M6062		Included	255	49	
MH6DC24X(1)1(2)	OPP	111	M6062		Included	255	49	
MH6DE24X(1)1(2)	OPP	134	M6062		Included	230	44	
MH6DJ24X(1)1(2)	OPP	146	M6062		Included	230	44	
MH6DO24X(1)1(2)	OPP	191	M6062		Included	205	39	
MH6DR24X(1)1(2)	OPP	209	M6062		Included	205	39	
MH6DS24X(1)1(2)	OPP	229	M6062		Included	195	37	
MH6DT24X(1)1(2)	OPP	251	M6062		Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	84			Included	255	49	
MH8DC24X(1)3(2)	OPP	111			Included	255	49	
MH8DE24X(1)3(2)	OPP	134			Included	230	44	
MH8DJ24X(1)3(2)	OPP	146			Included	230	44	
MH8DO24X(1)3(2)	OPP	191			Included	205	39	
MH8DR24X(1)3(2)	OPP	209			Included	205	39	
MH8DS24X(1)3(2)	OPP	229			Included	195	37	
MH8DT24X(1)3(2)	OPP	251			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	121			Included	505	95	
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### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)



## XII. PTO APPLICATION



Mack

MAK10

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)
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(.84)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	108	M6062		Included	255	49	
MH6DC24X(1)1(2)	OPP	144	M6062		Included	255	49	
MH6DE24X(1)1(2)	OPP	173	M6062		Included	230	44	
MH6DJ24X(1)1(2)	OPP	189	M6062		Included	230	44	
MH6DO24X(1)1(2)	OPP	247	M6062		Included	205	39	
MH6DR24X(1)1(2)	OPP	270	M6062		Included	205	39	
MH6DS24X(1)1(2)	OPP	296	M6062		Included	195	37	
MH6DT24X(1)1(2)	OPP	325	M6062		Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	108			Included	255	49	
MH8DC24X(1)3(2)	OPP	144			Included	255	49	
MH8DE24X(1)3(2)	OPP	173			Included	230	44	
MH8DJ24X(1)3(2)	OPP	189			Included	230	44	
MH8DO24X(1)3(2)	OPP	247			Included	205	39	
MH8DR24X(1)3(2)	OPP	270			Included	205	39	
MH8DS24X(1)3(2)	OPP	296			Included	195	37	
MH8DT24X(1)3(2)	OPP	325			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	157			Included	505	95	
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### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Mack

MAK11

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.8000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM)
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(.84)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	98	M6140		Included	255	49	5
MH6DC24X(1)1(2)	OPP	131	M6140		Included	255	49	5
MH6DE24X(1)1(2)	OPP	157	M6140		Included	230	44	5
MH6DJ24X(1)1(2)	OPP	171	M6140		Included	230	44	5
MH6DO24X(1)1(2)	OPP	224	M6140		Included	205	39	5
MH6DR24X(1)1(2)	OPP	245	M6140		Included	205	39	5
MH6DS24X(1)1(2)	OPP	268	M6140		Included	195	37	5
MH6DT24X(1)1(2)	OPP	295	M6140		Included	180	34	5

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	98	M8062		MH8170-200X	255	49	5
MH8DC24X(1)3(2)	OPP	131	M8062		MH8170-200X	255	49	5
MH8DE24X(1)3(2)	OPP	157	M8062		MH8170-200X	230	44	5
MH8DJ24X(1)3(2)	OPP	171	M8062		MH8170-200X	230	44	5
MH8DO24X(1)3(2)	OPP	224	M8062		MH8170-200X	205	39	5
MH8DR24X(1)3(2)	OPP	245	M8062		MH8170-200X	205	39	5
MH8DS24X(1)3(2)	OPP	268	M8062		MH8170-200X	195	37	5
MH8DT24X(1)3(2)	OPP	295	M8062		MH8170-200X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	142			Included	505	95	5
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### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) All speeds show are with transmission in 5th speed. For PTO speeds with the main transmission in all other gears, multiply speeds shown by the following for 1st-8.76, 2nd - 5.995, 3rd - 2.895, 4th - 1.674, Reverse - 8.99	

## XII. PTO APPLICATION



Mack

MAK12

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.8000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM) <span style="float: right;">(.70)</span>
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	82	M6140		Included	255	49	5
MH6DC24X(1)12	OPP	109	M6140		Included	255	49	5
MH6DE24X(1)1(2)	OPP	130	M6140		Included	230	44	5
MH6DJ24X(1)1(2)	OPP	143	M6140		Included	230	44	5
MH6DO24X(1)1(2)	OPP	186	M6140		Included	205	39	5
MH6DR24X(1)1(2)	OPP	204	M6140		Included	205	39	5
MH6DS24X(1)1(2)	OPP	224	M6140		Included	195	37	5
MH6DT24X(1)1(2)	OPP	246	M6140		Included	180	34	5

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	82	M8062		MH8170-200X	255	49	5
MH8DC24X(1)3(2)	OPP	109	M8062		MH8170-200X	255	49	5
MH8DE24X(1)3(2)	OPP	130	M8062		MH8170-200X	230	44	5
MH8DJ24X(1)3(2)	OPP	143	M8062		MH8170-200X	230	44	5
MH8DO24X(1)3(2)	OPP	186	M8062		MH8170-200X	205	39	5
MH8DR24X(1)3(2)	OPP	204	M8062		MH8170-200X	205	39	5
MH8DS24X(1)3(2)	OPP	224	M8062		MH8170-200X	195	37	5
MH8DT24X(1)3(2)	OPP	246	M8062		MH8170-200X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	118			Included	505	95	5
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### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) All speeds shown are with the transmission in 7th speed, or direct, and rear box in neutral.	

## XII. PTO APPLICATION



Mack

MAK13

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.8000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	66	M6140		Included	255	49	3,4
MH6DC24X(1)1(2)	OPP	81	M6140		Included	255	49	3,4
MH6DE24X(1)1(2)	OPP	88	M6140		Included	230	44	3,4
MH6DJ24X(1)1(2)	OPP	101	M6140		Included	230	44	3,4
MH6DO24X(1)1(2)	OPP	124	M6140		Included	205	39	3,4
MH6DR24X(1)1(2)	OPP	139	M6140		Included	205	39	3,4
MH6DS24X(1)1(2)	OPP	151	M6140		Included	195	37	3,4
MH6DT24X(1)1(2)	OPP	159	M6140		Included	180	34	3,4

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	66	M8062		MH8170-200X	255	49	3,4
MH8DC24X(1)3(2)	OPP	81	M8062		MH8170-200X	255	49	3,4
MH8DE24X(1)3(2)	OPP	88	M8062		MH8170-200X	230	44	3,4
MH8DJ24X(1)3(2)	OPP	101	M8062		MH8170-200X	230	44	3,4
MH8DO24X(1)3(2)	OPP	124	M8062		MH8170-200X	205	39	3,4
MH8DR24X(1)3(2)	OPP	139	M8062		MH8170-200X	205	39	3,4
MH8DS24X(1)3(2)	OPP	151	M8062		MH8170-200X	195	37	3,4
MH8DT24X(1)3(2)	OPP	159	M8062		MH8170-200X	180	34	3,4

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) All speeds shown are with the transmission in 4th, 10th, 11th speed, and rear box in neutral. For speeds with main transmission in other gears, multiply speeds shown as follows: 1st-.323 ; 2nd,6th, & 7th-.515 ; 3rd, 8th & 9th - .720 ; 5th, 12th, 13th - 1.405.
- (4) With main box in reverse the direction of rotation on the PTO shaft will change

## XII. PTO APPLICATION



Mack

MAK14

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 48 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.2520" (31.8000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 48 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9770" (24.8200MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB01X(1)1(2)	OPP	90	MGA-6032		Included	255	49	
MH6DC01X(1)1(2)	OPP	116	MGA-6032		Included	255	49	
MH6DE01X(1)1(2)	OPP	127	MGA-6032		Included	230	44	
MH6DJ01X(1)1(2)	OPP	151	MGA-6032		Included	230	44	
MH6DO01X(1)1(2)	OPP	199	MGA-6032		Included	205	39	
MH6DR01X(1)1(2)	OPP	217	MGA-6032		Included	205	39	
MH6DS01X(1)1(2)	OPP	237	MGA-6032		Included	195	37	
MH6DT01X(1)1(2)	OPP	263	MGA-6032		Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						255	49	
						255	49	
Nothing available at this time						255	49	
						230	44	
						230	44	
						205	39	
						205	39	
						195	37	
						180	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)

## XII. PTO APPLICATION



Mack

MAK15

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.7970MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM)
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(.65)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	76	M6140		Included	255	49	5,6,7
MH6DC24X(1)1(2)	OPP	101	M6140		Included	255	49	5,6,7
MH6DE24X(1)1(2)	OPP	121	M6140		Included	230	44	5,6,7
MH6DJ24X(1)1(2)	OPP	132	M6140		Included	230	44	5,6,7
MH6DO24X(1)1(2)	OPP	173	M6140		Included	205	39	5,6,7
MH6DR24X(1)1(2)	OPP	189	M6140		Included	205	39	5,6,7
MH6DS24X(1)1(2)	OPP	208	M6140		Included	195	37	5,6,7
MH6DT24X(1)1(2)	OPP	228	M6140		Included	180	34	5,6,7

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	76	M8062		MH8170-200X	255	49	5,6,7
MH8DC24X(1)3(2)	OPP	101	M8062		MH8170-200X	255	49	5,6,7
MH8DE24X(1)3(2)	OPP	121	M8062		MH8170-200X	230	44	5,6,7
MH8DJ24X(1)3(2)	OPP	132	M8062		MH8170-200X	230	44	5,6,7
MH8DO24X(1)3(2)	OPP	173	M8062		MH8170-200X	205	39	5,6,7
MH8DR24X(1)3(2)	OPP	189	M8062		MH8170-200X	205	39	5,6,7
MH8DS24X(1)3(2)	OPP	208	M8062		MH8170-200X	195	37	5,6,7
MH8DT24X(1)3(2)	OPP	228	M8062		MH8170-200X	180	34	5,6,7

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	110			Included	505	95	5,6,7
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### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) For PTO output speeds on the T2110B Main Section, see Mack application section.	
(6) The rear section PTO speeds are shown with the Main section in 5th gear or Direct and the Rear section in neutral.	
(7) For all other Main Section gear shift positions use the following multiplication factors to determine your PTO output speeds: 1st - .255; 2nd & 7th - .450; 3rd & 8th - .590; 4th & 9th - .629; 6th & 11th - 1.067.	

## XII. PTO APPLICATION



Mack

MAK16

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 53 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0800" (27.5600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 53 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)
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(.70)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)1(2)	OPP	89	M6093		Included	255	49	
MH6DC24X(1)1(2)	OPP	118	M6093		Included	255	49	
MH6DE24X(1)1(2)	OPP	141	M6093		Included	230	44	
MH6DJ24X(1)1(2)	OPP	154	M6093		Included	230	44	
MH6DO24X(1)1(2)	OPP	202	M6093		Included	205	39	
MH6DR24X(1)1(2)	OPP	221	M6093		Included	205	39	
MH6DS24X(1)1(2)	OPP	242	M6093		Included	195	37	
MH6DT24X(1)1(2)	OPP	266	M6093		Included	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)3(2)	OPP	89			Included	255	49	
MH8DC24X(1)3(2)	OPP	118			Included	255	49	
MH8DE24X(1)3(2)	OPP	141			Included	230	44	
MH8DJ24X(1)3(2)	OPP	154			Included	230	44	
MH8DO24X(1)3(2)	OPP	202			Included	205	39	
MH8DR24X(1)3(2)	OPP	221			Included	205	39	
MH8DS24X(1)3(2)	OPP	242			Included	195	37	
MH8DT24X(1)3(2)	OPP	266			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	128			Included	505	95	
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### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Mack

MAK17

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0800" (27.5600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Rear of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)
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(84)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB24X(1)2(2)	OPP	108	M6062		Included	255	49	5
MH6DC24X(1)2(2)	OPP	144	M6062		Included	255	49	5
MH6DE24X(1)2(2)	OPP	173	M6062		Included	230	44	5

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8DB24X(1)4(2)	OPP	108			Included	255	49	5
MH8DC24X(1)4(2)	OPP	144			Included	255	49	5
MH8DE24X(1)4(2)	OPP	173			Included	230	44	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SE24X(3)3(4)	OPP	157			Included	505	95	5
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### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) No higher ratios can be mounted on this transmission because of interference with the transmission drive gear and the PTO ratio gear.	



### Mercedes Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
G33	N/A	5	43R
G56 (Added left side opening in Dodge Trucks in Year 2006)	N/A	5	52R&52L
G60	N/A	6	45R
G85	N/A	6	53R
MBT520-6DA (AGS-Automated Gear Shift)	N/A	6	45R
MBT520S-6D	N/A	6	45R
MBT660-6OA ( AGS-Automated Gear Shift	N/A	6	53R
MBT660S-6O	N/A	6	53R

## XII. PTO APPLICATION



Mercedes

M/B1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline PITCH LINE TO APERTURE FACE:	TRANSMISSION Gear Data: LEFT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Mitsubishi Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
A445 (Aisin Automatic, Case Serial # 8D3394 And Later	N/A	4	58L
MO35S5 FE Model	N/A	5	35L
MO5OS5 FH Model	N/A	5	37L
MO6OS5 FK-617 Model	N/A	5	35L
MO6OS6-D FM-617 Model (1996)	N/A	6	41L
MO6OS6-OD FM-617 Model (1997)	N/A	6	35L
MO7OS6-D FM-657 Model	N/A	6	41L
M030A4 (Jatco Automatic) FE Model	N/A	4	63L
M2A3 No PTO Opening	N/A	-	-
M3S5 No PTO Available	N/A	-	-
M4	N/A	5	37L
M5	N/A	5	37L
M5SE - Manual	N/A	5	37L
M6	N/A	5	37L
M6S5 - Manual	N/A	5	37L
M6S6 - Manual	N/A	5	37L
M5S2X5 - Manual	N/A	10	29L
M8S2X5 10.060/1.0 ratio after 4/94	N/A	10	29L
M8S5 Model FM-557	N/A	8	28L
M8S6 - Manual	N/A	6	28L
M8S6 7.814/.894 ratio after 4/94	N/A	6	28L

## XII. PTO APPLICATION



Mitsubishi

MIT1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline PITCH LINE TO APERTURE FACE:	TRANSMISSION Gear Data: LEFT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Navistar Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
AT-501 Spicer 5831 aux.	-	3	-
AT-510 Fuller 2A-45	-	2	-
AT-535 Spicer R8031-R	N/A	3	35R
AT-537 Spicer R8031-R	N/A	3	35R
AT-538 Spicer R8031-R	N/A	3	35R
AT-539 Spicer 8031	N/A	3	50R&50L
AT-552-C Spicer R5341-C	N/A	4	33R
AT-552-G Spicer R8341-G	N/A	4	34R
AT-552-L Spicer R8341-L	N/A	4	34R
AT-554 Spicer R8341-F,G,-K,-L	N/A	4	33R
AT-562H Fuller T-905H	FULL-3	5	45R&47B
AT-566-C Spicer 1241-C,-D	SPR-3	4	39R&39L
AT-567 Spicer 1241-C,-D	SPR-3	4	39R&39L
AT-570 Spicer 1241-C,-D	SPR-3	4	39R&39L
AT-571 Spicer 1241-C,-D	SPR-3	4	39R&39L
AT-572 Spicer R8031-R	N/A	3	35R
AT-573 Spicer R8341-F,-G,-K,-L	N/A	4	33R
AT-575 Spicer R8341-F,-G,-K,-L	N/A	4	33R
AT-578 Spicer 1241-C,-D	SPR-3	4	39R&39L
AT-602 Fuller AT-1202	FULL-19	2	30T&30B
AT-603 Fuller AT-1202	FULL-19	2	30T&30B
AT-604 Fuller AT-1202	FULL-19	2	30T&30B
AT-605 Fuller AT-1202	FULL-19	2	30T&30B
AT-606 Fuller AT-1202	FULL-19	2	30T&30B
T-128 Replaced by T-134	-	-	-
T-129 Fuller RT-11615	FULL-1	15	45R&47B
T-129 Fuller RT-11615 (countershaft)	N/A	15	-
T-129 Fuller RT-910	FULL-1	10	45R&47B
T-134 Fuller RT-11715	FULL-1	15	45R&47B
T-15 Warner T-98A	N/A	4	36R&36L
T-16 Warner T-98-IA	N/A	4	36L
T-17 New Process 435 1964 & After	N/A	4	35R&35L
T-17 1963 & prior Warner T-98A	N/A	4	36R&36L
T-18 1963 & Prior Warner T-98A	N/A	4	36R-36L
T-191 Fuller RTO-14715	FULL-18	15	45R&47B
T-192 Fuller RTO-12509	FULL-16	8	45R&47B

### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-192 Fuller RTO-14609A	FULL-16	8	45R&47B
T-193 Fuller RTO-12510	FULL-18	10	45R&47B
T-193 Fuller RTO-14610	FULL-18	10	45R&47B
T-194 Fuller RT-12509	FULL-1	8	45R&47B
T-194 Fuller RT-14609A	FULL-1	8	45R&47B
T-194 Fuller RT-14609A Countershaft	N/A	8	-
T-196 Fuller RT-11610	FULL-1	10	45R&47B
T-196 Fuller RT-11610 Countershaft	N/A	10	-
T-197 Fuller TO-955DLL	FULL-5	7	45R&47B
T-198 Spicer 1414-3A	SPR-14	14	54R&54B
T-201 Fuller RT-14608	FULL-20	8	45R&47B
T-201 Fuller RT-14608 Countershaft	N/A	8	-
T-211 1987 & After Nissan MHS6	-	-	-
T-213 1987 & After Nissan TMH-462	N/A	6	28L
T-214 1987 & After Nissan TMH-704	-	-	-
T-23 New Process 541-GD	NPG-1	5	20R&23L
T-237 1983 & After Clark CL-455	N/A	5	25R&25L
T-238 1985 & After Clark CL-457	N/A	5	29R&29L
T-243 Spicer ES-42-5D	SPR-31	5	42R&42L
T-244 Spicer CM4954-D	SPR-38	5	34R&34L
T-245 Spicer ES-42-5A	SPR-30	5	40R&40L
T-250 1983 & After Fuller Rt-12609A	FULL-1	9	45R&47B
T-255 1983 & After Fuller Rt-12610	FULL-1	10	45R&47B
T-285 1983 & After Spicer 1310-4A	SPR-28	10	51R&51B
T-286 Fuller RT-15715	FULL-1	15	45R&47B
T-289 Fuller T14607B	N/A	7	78R778B
T-290 1985 & After Fuller T-14607B	N/A	7	78R&78B
T-291 1985 & After Fuller RTO-15613	FULL-1	13	45R&47B
T-293 Fuller RTO-15715	FULL-18	15	45R&47B
T-294 1984 & After Fuller RTO-14609B	FULL-17	9	45R&47B
T-295 1984 & After Fuller RTX-14609B	FULL-17	9	45R&47B
T-296 1985 & After Fuller RTX-11609B	FULL-17	9	45R&47B
T-297 1985 & After Fuller RTO-12609B	FULL-17	9	45R&47B
T-299 1985 & After Spicer CM5952D	SPR-34	5	43R&43L
T-301 1983 & Prior Spicer CM5052D	SPR-6	5	43R&43L
T-301 1984 & After Spicer CM5252D	SPR-6	5	43R&43L

### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-302 Replaced by T-471	-	-	-
T-303 Fuller RTX-6610	FULL-7	10	33R&33B
T-304 Allison CLT-750	N/A	5	40T&64L
T-305 Fuller RTO-1157DL	FULL-5	7	45R&47B
T-306 Allison CLBT-750 Eng. Mt.	N/A	5	40T&64L
T-308 Allison CLBT-750 Remote Mt.	N/A	5	40T&64L
T-310 Spicer CM6052-D	SPR-9	5	42R&42L
T-311 Clark 282VHD	CLK-2	5	42R&20L
T-312 Clark 285VHD	CLK-3	5	39R&20L
T-313 Fuller RTO-11707LL	FULL-5	7	45R&47B
T-314 Prior to 9-81 Spicer 1420-3A, 1420-3B	SPR-14	10	54R&54B
T-314 1983 & After Spicer 1420-3B	SPR-14	10	54R&54B
T-315 Spicer PS140-7A	SPR-27	7	43R&43B
T-316 Fuller T-955ALL	FULL-3	5	45R&47B
T-318 Spicer PS-125-7B	SPR-29	7	56R&56B
T319-Spicer 1412-3A	SPR-14	12	54R&54B
T-32 NAVISTAR F-51	NAV-1	5	21R&19L
T-321 Spicer 1310-2A	SPR-28	10	51R&51B
T-321 Spicer 1313-2A (countershaft)	N/A	10	-
T-325 Allison AT-545	N/A	5	55R
T-326 Allison AT-545	N/A	5	55R
T-327 1983 & After Allison AT-545	N/A	5	55R
T-328 1983 & After Allison AT-545	N/A	5	55R
T-329 Spicer 8312-5	-	12	-
T33 Navistar F-51C	NAV-1	5	21R&19L
T-330 Allison CLT-754	N/A	5	78L
T-331 Warner T-15D	-	-	-
T-332 Warner T-15D	-	-	-
T-333 Allison HT-750DRDB	N/A	5	40T&64L
T-334 Fuller T-905J	FULL-13	5	45R&47B
T-34 Navistar F-51	NAV-1	5	21R&19L
T-343 Fuller T-11607B	N/A	7	78R&78B
T-334 Fuller T-11607	N/A	7	78R&78B
T-344 Fuller T-11607 (Countershaft)	N/A	7	-
T-344 Fuller T-11607A	N/A	7	78R&78B
T-345 Replaced by T-695	-	-	-

### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-346 Fuller RTO-915	FULL-2	15	45R&47B
T-346 1983 & After Fuller RTO-11615	FULL-18	15	45R&47B
T-346 1983 & After Fuller RTO-11615 (Countershaft)	N/A	15	-
T-347 Fuller T-11605A	FULL-3	5	45R&47B
T-347 Fuller T-905A	FULL-3	5	45R&47B
T-348 Fuller T-11605B	FULL-4	5	45R&47B
T-348 Fuller T-905B	FULL-4	5	45R&47B
T-349 Fuller RTF-913	FULL-1	13	45R&47B
T-35 Navistar F-51C	NAV-1	5	21R&19L
T-350 Fuller T-905M	FULL-11	5	45R&47B
T-350 1983 & After Fuller T-11605M	FULL-11	5	45R&47B
T-357 Fuller TO-905A	FULL-5	5	45R&47B
T-357 1983 & After Fuller T-11605A	FULL-3	5	45R&47B
T-359 Fuller TO-905B	FULL-6	5	45R&47B
T-359 1983 & After Fuller T-11605B	FULL-4	5	45R&47B
T-36 Navistar F-51	NAV-1	5	21R&19L
T-362 Fuller TO-11605C	FULL-10	5	45R&47B
T-362 Fuller TO-905C	FULL-10	5	45R&47B
T-364 Fuller FS-5506	N/A	5	50R&50L
T-370 Fuller RTX-11609A	FULL-16	9	45R&47B
T-386 10/85 & After Fuller RT-9505	FULL-1	12	45R&47B
T-407 No Application	NONE	-	-
T-408 Fuller RTX-11609P	FULL-16	9	45R&47B
T-409 No Application	NONE	-	-
T-410 Fuller RTX-12609P	FULL-16	9	45R&47B
T-413 Fuller 5CW-65HT	N/A	5	47R&47L
T-418 Warner T-18	N/A	4	36R&36L
T-419 Warner T-18	N/A	4	36L
T-420 Fuller RT-906	FULL-1	6	45R&47B
T-422 Fuller RT-613, RT-6613	FULL-7	13	33R&33B
T-424 Fuller RTO-613	FULL-8	13	33R&33B
T-425 New Process 4590	N/A	4	35R&35L
T-427 Warner T-19	N/A	4	36R&36L
T-428 Warner T-19A	N/A	4	32R&32L
T-429 Replaced by T-690	NONE	-	-
T-430 Replaced by T-691	NONE	-	-



### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-432 Warner T-19D	N/A	4	32R&32L
T-433 Allison MT643	N/A	4	R64
T-434 Allison MT-653	N/A	4	R64
T-435 Allison MTB-643	N/A	4	R64
T-436 Fuller RTX-14609A	FULL-16	8+1	45R&47B
T-437 Fuller T-905C	FULL-9	5	45R&47B
T-437 1983 & After Fuller T-11605C	FULL-9	5	45R&47B
T-438 Fuller RTX-11708LL	FULL-16	8	45R&47B
T-44 Warner T-18A	N/A	4	32R&32L
T-441 Fuller RT-909A	FULL-1	9	45R&47B
T-443 Clark CL-551	CLK-12	5	33R&19L
T-444 Clark CL-557	CLK-13	5	30R&19L
T-445 Warner T-18C	N/A	4	32R&32L
T-447 Spicer 1463-A	N/A	6	54R&54B
T-448 Fuller Rt-610, RT-6610, RT-6613	FULL-7	10	33R&33B
T-449 Spicer 1362-B	SPR-17	6	48R&48B
T-45 Scout Warner T-18B	N/A	4	32R&32L
T-450 Spicer 1362-A	SPR-23	6	45R&45B
T-450 Spicer 1362-A (Counter Shaft)	N/A	6	-
T-451 Allison AT-540	N/A	4	55R
T-452 Spicer 1462-A	SPR-23	6	45R&45B
T-452 Spicer 1462-A (Countershaft)	N/A	6	-
T-453 Spicer CM5510	SPR-5	5	41R&41L
T-454 Allison AT-540 Less PTO Gear	NONE	4	-
T-455 Spicer 1207-2A	SPR-23	7	45R&45B
T-456 Spicer 1207-3A	SPR-22	7	54R&54B
T-458 Fuller TO-905F	FULL-14	5	45R&47B
T-459 Fuller RTO-9513, RTO-11613	FULL-1	13	45R&47B
T-460 Fuller RTOO-9513, RTOO-11613	FULL-17	13	45R&47B
T-462 Fuller Rt-9513, RT-11613	FULL-1	13	45R&47B
T-463 Fuller T-955AL	FULL-3	5	45R&47B
T-464 Allison MT-640, MT-643	N/A	4	64R
T-465 Allison MT-650, MT-653DR	N/A	5	64R
T-466 Fuller TO-955ALL	FULL-5	5	45R&47B
T-467 Fuller RT-12513, RT-14613	FULL-1	13	45R&47B
T-468 Fuller RTO-12513, RTO-14613	FULL-1	13	45R&47B

### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-469 Fuller RT-9508, RT-11608	FULL-20	8	45R&47B
T-470 Fuller RTO-11708LL	FULL-16	8	45R&47B
T-471 Fuller RT-11609A, RT-9509A	FULL-1	9	45R&47B
T-472 Fuller RTO-9509A, RTO-11609A	FULL-16	9	45R&47B
T-473 Fuller RTO-9509B, RTO-11609B	FULL-17	9	45R&47B
T-474 Allison HT-740	N/A	4	78L
T-475 Allison 750CRD	N/A	5	78L
T-48 Fuller RT-510	FULL-7	10	33R&33B
T-480 Replaced by T-321	NONE	-	-
T-482 Spicer 1452-A	SPR-24	5	44R&44B
T-483 Spicer PS-97-7A	SPR-36	7	50R&50B
T-484 Spicer 1453-A	SPR-18	5	51R&51B
T-485 Spicer 1352-A	SPR-25	5	43R&43B
T-486 Allison HT700ALL, HT750DRD	N/A	5	78L
T-487 Fuller RT-12510, RT-14610	FULL-1	10	45R&47B
T-488 Allison MT-640	N/A	4	64R
T-489 Allison MT-640	N/A	4	64R
T-490 Spicer 1020-3A	SPR-16	20	48R&48B
T-491 Spicer 1453-B	SPR-20	5	55R&55B
T-491 Spicer 1453-B Countershaft	N/A	5	
T-492 Spicer 1207-2B	SPR-17	7	48R&48B
T-493 Fuller RT-14715	FULL-1	15	45R&47B
T-494 Navistar F51	NAV-1	5	21R&19L
T-495 Replaced by T-698	NONE	-	-
T-496 Replaced by T-699	NONE	-	-
T-499 Fuller T-955GL	FULL-1	5	45R&47B
T-607 Fuller AT-1202	FULL-19	2	30T&30B
T-670 Spicer CM 5952E Countershaft	N/A	5	-
T-671 Spicer SST9505-2B	SPR-39	5	43R&43B
T-672 Prior to 8/82 Spicer CM5052-A	SPR-5	5	41R&41L
T-672 Spicer CM5552-A,-C	SPR-5	5	41R&41L
T-673 Prior to 8/82 Spicer CM5052-B	SPR-4	5	39R&39L
T-673 Spicer CM5552-B	SPR-4	5	39R&39L
T-674 Prior to 8/82 Spicer CM5252-A	SPR-6	5	43R&43L
T-674 Spicer CM5852-A	SPR-6	5	43R&43L
T-676 Spicer CM6052-A	SPR-7	5	40R&40L

### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-677 Spicer CM6052-B	SPR-8	5	38R&38L
T-678 Spicer CM6052-C	SPR-9	5	42R&42L
T-679 Spicer CM6253-A	SPR-12	5	44R&44L
T-681 Fuller T-1056A	N/A	6	47R&47B
T-681 Fuller T-11606	N/A	6	78R&78B
T-683 Spicer 1062-C BM#301133	SPR-17	6	48R&48B
T-683 Spicer 1362-C	SPR-17	6	48R&48B
T-684 Spicer 1064-C BM#301136	SPR-17	6	48R&48B
T-685 Prior to 1987 Spicer 1272-A BM#301140	SPR-17	7	48R&48B
T-685 1987& After Fuller RTO-7613 (N/A in USA)	NONE	-	-
T-687 Allison MT-644	N/A	4	64R
T-688 Allison MT-654	N/A	5	64R
T-692 Fuller RTO-14708LL	FULL-16	8	45R&47B
T-692 Prior to 8/82 Spicer CM5052-C	SPR-5	5	41R&41L
T-692 Spicer CM5552-C	SPR-5	5	41R&41L
T-693 Fuller RTX-14708LL	FULL-16	8	45R&47B
T-694 Fuller RT-1110	FULL-18	10	45R&47B
T-694 Fuller RTO-11610	FULL-18	10	45R&47B
T-695 Spicer 1062-B BM#300836	N/A	6	51R&51B
T-695 Spicer 1062-B BM#301103	SPR-17	6	48R&48B
T-696 Clark 285V	CLK-3	5	39R&20L
T-697 Clark 282V	CLK-2	5	42R&20L
T-698 Navistar	NAV-1	5	21R&19L
T-699 Navistar	NAV-1	5	21R&19L
TC-142 New Process 205	N/A	2	35R&35L
13AAA Allison MTB-653DR	N/A	5	64R
13AAC Allison AT-545	N/A	4	55R
13AAD Allison AT-545	N/A	4	55R
13AAE Allison AT-545	N/A	4	55R
13AAG Allison AT-545	N/A	4	55R
13DAG Spicer CM4954-A	SPR-37	5	32R&32L
13GAA Fuller RTX-14609P	FULL-16	9	45R&47B
13GAB Fuller T-8607A	N/A	7	78R&78B
13GAL Fuller RTO-11608LL	FULL-16	8	45R&47B
13GAM Fuller T-8607B	N/A	7	78R&78B
13GAN Fuller FS-5106A	FULL-22	6	38R&38L

### Navistar Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
13GAP Fuller TS-11612	N/A	12	78R&78B
13GAR Fuller TS-11612	N/A	12	78R&78B
13GAS Fuller RTX-14615	FULL-18	15	45R&47B
13GAU Fuller RTO-15618	FULL-1	18	45R&47B
13MAB Spicer PS-125-9A	SPR-40	9	45R&45L
13MAC Spicer PSO-140-9A	SPR-41	9	45R&45L
13MAG Spicer ES52-7A	SPR-43	-	34R&34L
13MAH Spicer ESO-65-7A	SPR-42	-	34R&34L
13TJA Fabco TC-38	NONE	-	-
13TJC Fabco TC-200	NONE	-	-

## XII. PTO APPLICATION



Navistar

NAV1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 21 TEETH - Spur PITCH LINE TO APERTURE FACE: 1.1700" (29.7180MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Rear of Centerline 19 TEETH - R.H. Helix PITCH LINE TO APERTURE FACE: 1.0360" (26.3144MM)
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)4(2)	ENG				Included	255	49	
MH6SC01X(1)4(2)	ENG				Included	255	49	
MH6SE01X(1)4(2)	ENG	26			Included	230	44	
MH6SJ01X(1)4(2)	ENG	29			Included	230	44	
MH6SO01X(1)4(2)	ENG	37			Included	205	39	
MH6SR01X(1)4(2)	ENG	43			Included	205	39	
MH6SS01X(1)4(2)	ENG	48			Included	195	37	
MH6ST01X(1)4(2)	ENG	51			Included	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
NOT AVAILABLE AT THIS TIME								

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### New Process Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
NP-203 Transfer Case	N/A	2	32R&32L
441-RTJ	NPG-2	5	19R&23L
541	NPG-1	5	20R&23L
541-12	NPG-2	5	19R&23L
541-15	NPG-2	5	19R&23L
541-16	NPG-2	5	19R&23L
541-C	NPG-1	5	20R&23L
541-CL	NPG-3	5	20R&23L
541-DD12	NPG-2	5	19R&23L
541-DD12A	NPG-2	5	19R&23L
541-DD13	NPG-1	5	20R&23L
541-DD14	NPG-1	5	20R&23L
541-DD15	NPG-2	5	19R&23L
541-DD15A	NPG-2	5	19R&23L
541-DD16	NPG-2	5	19R&23L
541-DD16A	NPG-2	5	19R&23L
541-DD17	NPG-2	5	19R&23L
541-DD17A	NPG-2	5	19R&23L
541-DD17B	NPG-2	5	19R&23L
541-DD18	NPG-2	5	19R&23L
541-DD18A	NPG-2	5	19R&23L
541-DD22B	NPG-2	5	19R&23L
541-DD23B	NPG-2	5	19R&23L
541-DG21	NPG-1	5	20R&23L
541-FD1	NPG-1	5	20R&23L
541-FD2	NPG-1	5	20R&23L
541-FD23B	NPG-3	5	20R&23L
541-FL1	NPG-2	5	19R&23L
541-FL2	NPG-2	5	19R&23L
541-FO1	NPG-1	5	20R&23L
541-FO2	NPG-1	5	20R&23L
541-GD11	NPG-1	5	20R&23L
541-GD22	NPG-1	5	20R&23L
541-GD23	NPG-3	5	20R&23L
541-GD24	NPG-3	5	20R&23L
541-GD24B	NPG-3	5	20R&23L



**New Process Transmission Index - cont'd.**

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
541-GD25	NPG-3	5	20R&23L
541-GL	NPG-3	5	20R&23L
541-GO	NPG-1	5	20R&23L
542-CD	NPG-1	5	20R&23L
542-CL	NPG-3	5	20R&23L
542-CO	NPG-1	5	20R&23L
542-DD	NPG-1	5	20R&23L
542-DL	NPG-2	5	19R&23L
542-DO	NPG-1	5	20R&23L
542-FD	NPG-1	5	20R&23L
542-FL	NPG-2	5	19R&23L
542-FO	NPG-1	5	20R&23L
542-GD	NPG-1	5	20R&23L
542-GL	NPG-3	5	20R&23L
542-GO	NPG-1	5	20R&23L

## XII. PTO APPLICATION



### New Process

NPG1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 20 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9390" (23.8500MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 23 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750" (27.3100MM)
--	---

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
Nothing Available at this time								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)3(2)	ENG	28			INCLUDED	255	49	
MH6SC01X(1)3(2)	ENG	33			INCLUDED	255	49	
MH6SE01X(1)3(2)	ENG	36			INCLUDED	230	44	
MH6SJ01X(1)3(2)	ENG	42			INCLUDED	230	44	
MH6SO01X(1)3(2)	ENG	52			INCLUDED	205	39	
MH6SR01X(1)3(2)	ENG	56			INCLUDED	205	39	
MH6SS01X(1)3(2)	ENG	62			INCLUDED	195	37	
MH6ST01X(1)3(2)	ENG	70			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)



## XII. PTO APPLICATION



### New Process

NPG2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 19 TEETH - HELIX PITCH LINE TO APERTURE FACE: 1.0500" (26.6700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 23 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750" (27.3100MM)
---	---

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
Nothing Available at this time								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)3(2)	ENG	24			INCLUDED	255	49	
MH6SC01X(1)3(2)	ENG	28			INCLUDED	255	49	
MH6SE01X(1)3(2)	ENG	31			INCLUDED	230	44	
MH6SJ01X(1)3(2)	ENG	35			INCLUDED	230	44	
MH6SO01X(1)3(2)	ENG	43			INCLUDED	205	39	
MH6SR01X(1)3(2)	ENG	46			INCLUDED	205	39	
MH6SS01X(1)3(2)	ENG	52			INCLUDED	195	37	
MH6ST01X(1)3(2)	ENG	58			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |  |
|--------------------------|--|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)  |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) |

## XII. PTO APPLICATION



### New Process

NPG3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 20 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9390" (23.8500MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 23 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750" (27.3100MM)
--	---

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
Nothing Available at this time								

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)3(2)	ENG	24			INCLUDED	255	49	
MH6SC01X(1)3(2)	ENG	28			INCLUDED	255	49	
MH6SE01X(1)3(2)	ENG	31			INCLUDED	230	44	
MH6SJ01X(1)3(2)	ENG	35			INCLUDED	230	44	
MH6SO01X(1)3(2)	ENG	43			INCLUDED	205	39	
MH6SR01X(1)3(2)	ENG	46			INCLUDED	205	39	
MH6SS01X(1)3(2)	ENG	52			INCLUDED	195	37	
MH6ST01X(1)3(2)	ENG	58			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### New Venture Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
NV-021 DODGE (Auto with P.T.O. provision)	NVG-2		38R
241 HD	NVG-1	2	38R
4500 (Chev.-GMC) ( 1991 To Feb. 15, 1994)	N/A	5	32R-32L
4500 (Dodge) (Chev.-GMC) ( After Feb. 15, 1994)	N/A	5	30R-30L

## XII. PTO APPLICATION



New Venture

NVG1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 38 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0630" (27.0002MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b>
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	38	MGA-6032		INCLUDED	255	49	
MH6NC01X(1)1(2)	ENG	47	MGA-6032		INCLUDED	255	49	
MH6NE01X(1)1(2)	ENG	50	MGA-6032		INCLUDED	230	44	
MH6NJ01X(1)1(2)	ENG	58	MGA-6032		INCLUDED	230	44	
MH6NO01X(1)1(2)	ENG	73	MGA-6032		INCLUDED	205	39	
MH6NR01X(1)1(2)	ENG	79	MGA-6032		INCLUDED	205	39	
MH6NS01X(1)1(2)	ENG	85	MGA-6032		INCLUDED	195	37	
MH6NT01X(1)1(2)	ENG	90	MGA-6032		INCLUDED	180	34	

<b>LEFT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
Nothing Available at this time								

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |  |
|--------------------------|--|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)  |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) |

## XII. PTO APPLICATION



New Venture

NVG2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 38 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0630" (27.0002MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b>
--	--

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	100	MGA-6032		INCLUDED	255	49	
MH6NC01X(1)1(2)	ENG	127	MGA-6032		INCLUDED	255	49	
MH6NE01X(1)1(2)	ENG	137	MGA-6032		INCLUDED	230	44	
MH6NJ01X(1)1(2)	ENG	158	MGA-6032		INCLUDED	230	44	
MH6NO01X(1)1(2)	ENG	190	MGA-6032		INCLUDED	205	39	
MH6NR01X(1)1(2)	ENG	220	MGA-6032		INCLUDED	205	39	
MH6NS01X(1)1(2)	ENG	235	MGA-6032		INCLUDED	195	37	
MH6NT01X(1)1(2)	ENG	255	MGA-6032		INCLUDED	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
Nothing Available at this time								

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Nissan / UD Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
MES-50A	N/A	5	34L
MES-50B	N/A	5	33L
MES-50C	N/A	5	32L
MLS-61A	N/A	6	25L
MLS-61B (UD3000SD)	N/A	6	25L
MLS-62B	N/A	6	25L
MLS-63B	N/A	6	25L
TMH-263	NSD-1	5	23L

## XII. PTO APPLICATION



Nissan / UD

NSD1

TRANSMISSION Gear Data: RIGHT SIDE  <b>NO APPLICATION</b>	TRANSMISSION Gear Data: LEFT SIDE L.H. 6- Bolt opening - Gear Rear of Centerline 23 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)3(2)	ENG	26			MH170-78X	255	49	
MH6NC01X(1)3(2)	ENG	30			MH170-78X	255	49	
MH6NE01X(1)3(2)	ENG	32			MH170-78X	230	44	
MH6NJ01X(1)3(2)	ENG	37			MH170-78X	230	44	
MH6NO01X(1)3(2)	ENG	45			MH170-78X	205	39	
MH6NR01X(1)3(2)	ENG	49			MH170-78X	205	39	
MH6NS01X(1)3(2)	ENG	59			MH170-78X	195	37	
MH6NT01X(1)3(2)	ENG	61			MH170-78X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Renault Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
BDSL-132R	N/A	10	33R
BDSL-181 (MACK - T1060)	N/A	6	33R
BDSL-2052R	N/A	10	33R
BDSL-2142	N/A	5	53R
BDSL-2142R (MACK-T1100)	N/A	10	53R
G409-0 (MACK - T1090)	N/A	9	53R



## XII. PTO APPLICATION



Renault

RNT1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	TRANSMISSION Gear Data: LEFT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

LEFT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Rockwell / Meritor Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
M-11F10A-E11	RKW-1	10	45R&45B
M-11F10A-S11	RKW-1	10	45R&45B
M-11F9A-E11	RKW-1	9	45R&45B
M-11F9A-S11	RKW-1	9	45R&45B
M-11G10A-D11	RKW-1	10	45R&45B
M-11G10A-E11	RKW-1	10	45R&45B
M-11G10A-M11	RKW-1	10	45R&45B
M-11G10A-S11	RKW-1	10	45R&45B
M-11G9A-D11	RKW-1	9	45R&45B
M-11G9A-E11	RKW-1	9	45R&45B
M-11G9A-M11	RKW-1	9	45R&45B
M-11G9A-S11	RKW-1	9	45R&45B
M-12F10A-E12	RKW-1	10	45R&45B
M-12F10A-S12	RKW-1	10	45R&45B
M-12F9A-E12	RKW-1	9	45R&45B
M-12F9A-S12	RKW-1	9	45R&45B
M-12G10A-D12	RKW-1	10	45R&45B
M-12G10A-E12	RKW-1	10	45R&45B
M-12G10A-M12	RKW-1	10	45R&45B
M-12G10A-S12	RKW-1	10	45R&45B
M-12G9A-D12	RKW-1	9	45R&45B
M-12G9A-E12	RKW-1	9	45R&45B
M-12G9A-M12	RKW-1	9	45R&45B
M-12G9A-S12	RKW-1	9	45R&45B
M-13F10A-E13	RKW-1	10	45R&45B
M-13F10A-S13	RKW-1	10	45R&45B
M-13F9A-E13	RKW-1	9	45R&45B
M-13F9A-S13	RKW-1	9	45R&45B
M-13G10A-D13	RKW-1	10	45R&45B
M-13G10A-E13	RKW-1	10	45R&45B
M-13G10A-M13	RKW-1	10	45R&45B
M-13G10A-S13	RKW-1	10	45R&45B
M-13G9A-D13	RKW-1	9	45R&45B
M-13G9A-E13	RKW-1	9	45R&45B
M-13G9A-M13	RKW-1	9	45R&45B
M-13G9A-S13	RKW-1	9	45R&45B
M-13Z12A-A13 (REAR MOUNT)	N/A	12	14R
M-14F10A-E14	RWK-1	10	45R&45B

### Rockwell / Meritor Transmission Index - cont'd.

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
M-14F10A-M16	RWK-1	10	45R&45B
M-14F10A-S14	RWK-1	10	45R&45B
M-14F10A-S15	RWK-1	10	45R&45B
M-14F9A-E14	RWK-1	9	45R&45B
M-14F9A-S14	RWK-1	9	45R&45B
M-14G10A-D14	RWK-1	10	45R&45B
M-14G10A-E14	RWK-1	10	45R&45B
M-14G10A-E16	RWK-1	10	45R&45B
M-14G10A-M14	RWK-1	10	45R&45B
M-14G10A-M16	RWK-1	10	45R&45B
M-14G10A-S14	RWK-1	10	45R&45B
M-14G9A-D14	RWK-1	9	45R&45B
M-14G9A-E14	RWK-1	9	45R&45B
M-14G9A-M14	RWK-1	9	45R&45B
M-14G9A-S14	RWK-1	9	45R&45B
M-15F10A-E15	RWK-1	10	45R&45B
M-15F10A-S15	RWK-1	10	45R&45B
M-15G10A-D15	RWK-1	10	45R&45B
M-15G10A-E15	RWK-1	10	45R&45B
M-15G10A-M15	RWK-1	10	45R&45B
M-15G10A-S15	RWK-1	10	45R&45B
MO-11F10A-S11	RKW-2	10	45R&45B
MO-11F10C-E11	RKW-4	10	45R&45B
MO-11F10C-S11	RKW-4	10	45R&45B
MO-11F9B-E11	RKW-3	9	45R&45B
MO-11F9B-S11	RKW-3	9	45R&45B
MO-11G10A-D11	RKW-2	10	45R&45B
MO-11G10A-E11	RKW-2	10	45R&45B
MO-11G10A-M11	RKW-2	10	45R&45B
MO-11G10A-S11	RKW-2	10	45R&45B
MO-11G10C-D11	RKW-4	10	45R&45B
MO-11G10C-E11	RKW-4	10	45R&45B
MO-11G10C-M11	RKW-4	10	45R&45B
MO-11G10C-S11	RKW-4	10	45R&45B
MO-11G9B-D11	RKW-3	9	45R&45B
MO-11G9B-E11	RKW-3	9	45R&45B
MO-11G9B-M11	RKW-3	9	45R&45B
MO-11G9B-S11	RKW-3	9	45R&45B

## XII. PTO APPLICATION



### Rockwell / Meritor Transmission Index - cont'd.

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
MO-12F10A-E12	RKW-2	10	45R&45B
MO-12F10A-S12	RKW-2	10	45R&45B
MO-12F10C-E12	RKW-4	10	45R&45B
MO-12F10C-S12	RKW-4	10	45R&45B
MO-12F9A-E12	RKW-2	9	45R&45B
MO-12F9A-S12	RKW-2	9	45R&45B
MO-12F9B-E12	RKW-3	9	45R&45B
MO-12F9B-S12	RKW-3	9	45R&45B
MO-12G10A-D12	RKW-2	10	45R&45B
MO-12G10A-E12	RKW-2	10	45R&45B
MO-12G10A-M12	RKW-2	10	45R&45B
MO-12G10A-S12	RKW-2	10	45R&45B
MO-12G10C-D12	RKW-4	10	45R&45B
MO-12G10C-E12	RKW-4	10	45R&45B
MO-12G10C-M12	RKW-4	10	45R&45B
MO-12G10C-S12	RKW-4	10	45R&45B
MO-12G9A-D12	RKW-2	9	45R&45B
MO-12G9A-E12	RKW-2	9	45R&45B
MO-12G9A-M12	RKW-2	9	45R&45B
MO-12G9A-S12	RKW-2	9	45R&45B
MO-12G9B-D12	RKW-3	9	45R&45B
MO-12G9B-E12	RKW-3	9	45R&45B
MO-12G9B-M12	RKW-3	9	45R&45B
MO-12G9B-S12	RKW-3	9	45R&45B
MO-13F10A-E13	RKW-2	10	45R&45B
MO-13F10A-S13	RKW-2	10	45R&45B
MO-13F10C-E13	RKW-4	10	45R&45B
MO-13F10C-S13	RKW-4	10	45R&45B
MO-13F9A-E13	RKW-2	9	45R&45B
MO-13F9A-S13	RKW-2	9	45R&45B
MO-13F9B-E13	RKW-3	9	45R&45B
MO-13F9B-S13	RKW-3	9	45R&45B
MO-13G10A-D13	RKW-2	10	45R&45B
MO-13G10A-E13	RKW-2	10	45R&45B
MO-13G10A-M13	RKW-2	10	45R&45B
MO-13G10A-S13	RKW-2	10	45R&45B
MO-13G10C-D13	RKW-4	10	45R&45B
MO13G10C-E13	RKW-4	10	45R&45B

### Rockwell / Meritor Transmission Index - cont'd.

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
MO13G10C-M13	RKW-4	10	45R&45B
MO13G10C-S13	RKW-4	10	45R&45B
MO13G9A-D13	RKW-2	9	45R&45B
MO13G9A-E13	RKW-2	9	45R&45B
MO13G9A-M13	RKW-2	9	45R&45B
MO13G9A-S13	RKW-2	9	45R&45B
MO13G9B-D13	RKW-3	9	45R&45B
MO13G9B-E13	RKW-3	9	45R&45B
MO13G9B-M13	RKW-3	9	45R&45B
MO13G9B-S13	RKW-3	9	45R&45B
MO-14F10A-E14	RKW-2	10	45R&45B
MO-14F10A-E16	RKW-2	10	45R&45B
MO-14F10A-M16	RKW-2	10	45R&45B
MO-14F10A-S14	RKW-2	10	45R&45B
MO-14F10A-S16	RKW-2	10	45R&45B
MO-14F10C-E14	RKW-4	10	45R&45B
MO-14F10C-E16	RKW-4	10	45R&45B
MO-14F10C-M16	RKW-4	10	45R&45B
MO-14F10C-S14	RKW-4	10	45R&45B
MO-14F10C-S16	RKW-4	10	45R&45B
MO-14F9A-E14	RKW-2	9	45R&45B
MO-14F9A-S14	RKW-2	9	45R&45B
MO-14F9B-E14	RKW-3	9	45R&45B
MO-14F9B-S14	RKW-3	9	45R&45B
MO-14G10A-D14	RKW-2	10	45R&45B
MO-14G10A-E14	RKW-2	10	45R&45B
MO-14G10A-E16	RKW-2	10	45R&45B
MO-14G10A-M14	RKW-2	10	45R&45B
MO-14G10A-M16	RKW-2	10	45R&45B
MO-14G10A-S14	RKW-2	10	45R&45B
MO-14G10A-S16	RKW-2	10	45R&45B
MO-14G10C-D14	RKW-4	10	45R&45B
MO-14G10C-E14	RKW-4	10	45R&45B
MO-14G10C-E16	RKW-4	10	45R&45B
MO-14G10C-M14	RKW-4	10	45R&45B
MO-14G10C-M16	RKW-4	10	45R&45B
MO-14G10C-S14	RKW-4	10	45R&45B
MO-14G10C-S16	RKW-4	10	45R&45B

## XII. PTO APPLICATION



### Rockwell / Meritor Transmission Index - cont'd.

TRANSMISSION MAKE and MODEL	P.T.O. APPL. NUMBER	No. FWD. SPEEDS	TEETH IN PTO DRIVER
MO14G9A-D14	RKW-2	9	45R&45B
MO14G9A-E14	RKW-2	9	45R&45B
MO14G9A-M14	RKW-2	9	45R&45B
MO14G9A-S14	RKW-2	9	45R&45B
MO14G9B-D14	RKW-3	9	45R&45B
MO14G9B-E14	RKW-3	9	45R&45B
MO14G9B-M14	RKW-3	9	45R&45B
MO14G9B-S14	RKW-3	9	45R&45B
MO-14Z12A-A14 (REAR MOUNT)	N/A	12	14R
MO-15F10A-E15	RKW-2	10	45R&45B
MO-15F10A-S15	RKW-2	10	45R&45B
MO-15F10C-E15	RKW-4	10	45R&45B
MO-15F10C-S15	RKW-4	10	45R&45B
MO-15F9B-E15	RKW-3	9	45R&45B
MO-15F9B-S15	RKW-3	9	45R&45B
MO-15G10A-D15	RKW-2	10	45R&45B
MO-15G10A-E15	RKW-2	10	45R&45B
MO-15G10A-M15	RKW-2	10	45R&45B
MO-15G10A-S15	RKW-2	10	45R&45B
MO-15G10C-D15	RKW-4	10	45R&45B
MO-15G10C-E15	RKW-4	10	45R&45B
MO-15G10C-M15	RKW-4	10	45R&45B
MO-15G10C-S15	RKW-4	10	45R&45B
MO-15G9B-D15	RKW-3	9	45R&45B
MO-15G9B-E15	RKW-3	9	45R&45B
MO-15G9B-M15	RKW-3	9	45R&45B
MO-15G9B-S15	RKW-3	9	45R&45B
MO-15Z16A-A15 (REAR MOUNT)	N/A	12	14R
MO-16F10A-E16	RKW-2	10	45R&45B
MO-16F10A-S16	RKW-2	10	45R&45B
MO-16F10C-E16	RKW-4	10	45R&45B
MO-16F10C-E18	RKW-4	10	45R&45B
MO-16F10C-M18	RKW-4	10	45R&45B
MO-16F10C-S16	RKW-4	10	45R&45B
MO-16F10C-S18	RKW-4	10	45R&45B
MO-16F10A-D16	RKW-2	10	45R&45B
MO-16F10A-E16	RKW-2	10	45R&45B
MO-16F10A-M16	RKW-2	10	45R&45B

### Rockwell / Meritor Transmission Index - cont'd.

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
MO-16F10A-S16	RKW-2	10	45R&45B
MO-16G10C-D16	RKW-4	10	45R&45B
MO-16G10C-E16	RKW-4	10	45R&45B
MO-16G10C-E18	RKW-4	10	45R&45B
MO-16G10C-M16	RKW-4	10	45R&45B
MO-16G10C-M18	RKW-4	10	45R&45B
MO-16G10C-S16	RKW-4	10	45R&45B
MO-16G10C-S18	RKW-4	10	45R&45B
RD10-145A	RKW-1	10	45R&45B
RE10-115A	RKW-1	10	45R&45B
RE10-125A	RKW-1	10	45R&45B
RE10-135A	RKW-1	10	45R&45B
RE10-145A	RKW-1	10	45R&45B
RE10-155A	RKW-1	10	45R&45B
RE9-115A	RKW-1	9	45R&45B
RE9-125A	RKW-1	9	45R&45B
RE9-135A	RKW-1	9	45R&45B
RE9-145A	RKW-1	9	45R&45B
RE9-155A	RKW-1	9	45R&45B
REO9-115B	RKW-3	9	45R&45B
REO9-125A	RKW-2	9	45R&45B
REO9-125B	RKW-3	9	45R&45B
REO9-135A	RKW-2	9	45R&45B
REO9-135B	RKW-3	9	45R&45B
REO9-145A	RKW-2	9	45R&45B
REO9-145B	RKW-3	9	45R&45B
REO9-155B	RKW-3	9	45R&45B
REX10-115A	RKW-2	10	45R&45B
REX10-115C	RKW-4	10	45R&45B
REX10-125A	RKW-2	10	45R&45B
REX10-125C	RKW-4	10	45R&45B
REX10-135A	RKW-2	10	45R&45B
REX10135C	RKW-4	10	45R&45B
REX10-145A	RKW-2	10	45R&45B
REX10-145C	RKW-4	10	45R&45B
REX10-155A	RKW-2	10	45R&45B
REX10-155C	RKW-4	10	45R&45B
REX10-165A	RKW-2	10	45R&45B

### Rockwell / Meritor Transmission Index - cont'd.

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
REX10-165C	RKW-4	10	45R&45B
REX9-115B	RKW-3	9	45R&45B
REX9-115R	RKW-3	9	45R&45B
REX9-125A	RKW-2	9	45R&45B
REX9-125B	RKW-3	9	45R&45B
REX9-125R	RKW-3	9	45R&45B
REX9-135A	RKW-2	9	45R&45B
REX9-135B	RKW-3	9	45R&45B
REX9-135R	RKW-3	9	45R&45B
REX9-145A	RKW-2	9	45R&45B
REX9-145B	RKW-3	9	45R&45B
REX9-145R	RKW-3	9	45R&45B
REX9-155B	RKW-3	9	45R&45B
RM10-115A	RKW-1	10	45R&45B
RM10-125A	RKW-1	10	45R&45B
RM10-135A	RKW-1	10	45R&45B
RM10-145A	RKW-1	10	45R&45B
RM10-155A	RKW-1	10	45R&45B
RM9-115A	RKW-1	9	45R&45B
RM9-125A	RKW-1	9	45R&45B
RM9-135A	RKW-1	9	45R&45B
RM9-145A	RKW-1	9	45R&45B
RM9-155A	RKW-1	9	45R&45B
RMO13-145A	RKW-1	13	45R&45B
RMO9-115A	RKW-2	9	45R&45B
RMO9-115B	RKW-3	9	45R&45B
RMO9-125A	RKW-2	9	45R&45B
RMO9-125B	RKW-3	9	45R&45B
RMO9-135A	RKW-2	9	45R&45B
RMO9-135B	RKW-3	9	45R&45B
RMO9-145A	RKW-2	9	45R&45B
RMO9-145B	RKW-3	9	45R&45B
RMO9-155B	RKW-3	9	45R&45B
RMX10-115A	RKW-2	10	45R&45B
RMX10-115C	RKW-4	10	45R&45B
RMX10-125A	RKW-2	10	45R&45B
RMX10-125C	RKW-4	10	45R&45B
RMX10-135A	RKW-2	10	45R&45B



### Rockwell / Meritor Transmission Index - cont'd.

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
RMX10-135C	RKW-4	10	45R&45B
RMX10-145A	RKW-2	10	45R&45B
RMX10-145C	RKW-4	10	45R&45B
RMX10-155A	RKW-2	10	45R&45B
RMX10-155C	RKW-4	10	45R&45B
RMX10-165A	RKW-2	10	45R&45B
RMX10-165C	RKW-4	10	45R&45B
RMX9-115B	RKW-3	9	45R&45B
RMX9-115R	RKW-2	9	45R&45B
RMX9-125A	RKW-2	9	45R&45B
RMX9-125B	RKW-3	9	45R&45B
RMX9-125R	RKW-2	9	45R&45B
RMX9-135A	RKW-2	9	45R&45B
RMX9-135B	RKW-3	9	45R&45B
RMX9-135R	RKW-2	9	45R&45B
RMX9-145A	RKW-2	9	45R&45B
RMX9-145B	RKW-3	9	45R&45B
RMX9-145R	RKW-2	9	45R&45B
RMX9-155B	RKW-3	9	45R&45B
RS10-115A	RKW-1	10	45R&45B
RS10-125A	RKW-1	10	45R&45B
RS10-135A	RKW-1	10	45R&45B
RS10-145A	RKW-1	10	45R&45B
RS10-155A	RKW-1	10	45R&45B
RS9-115A	RKW-1	9	45R&45B
RS9-125A	RKW-1	9	45R&45B
RS9-135A	RKW-1	9	45R&45B
RS9-145A	RKW-1	9	45R&45B
RS9-155A	RKW-1	9	45R&45B
RSO9-115B	RKW-3	9	45R&45B
RSO9-125B	RKW-3	9	45R&45B
RSO9-135B	RKW-3	9	45R&45B
RSO9-145B	RKW-3	9	45R&45B
RSO9-155B	RKW-3	9	45R&45B
RSX10-115A	RKW-2	10	45R&45B
RSX10-115C	RKW-4	10	45R&45B
RSX10-125A	RKW-2	10	45R&45B
RSX10-125C	RKW-4	10	45R&45B

### Rockwell / Meritor Transmission Index - cont'd.

TRANSMISSION MAKE and MODEL	P.T.O. APPL. NUMBER	No. FWD. SPEEDS	TEETH IN PTO DRIVER
RSX10-135A	RKW-2	10	45R&45B
RSX10-135C	RKW-4	10	45R&45B
RSX10-145A	RKW-2	10	45R&45B
RSX10-145C	RKW-4	10	45R&45B
RSX10-155A	RKW-2	10	45R&45B
RSX10-155C	RKW-4	10	45R&45B
RSX10-165A	RKW-2	10	45R&45B
RSX10-165C	RKW-4	10	45R&45B
RSX9-115B	RKW-3	9	45R&45B
RSX9-115C	RKW-3	9	45R&45B
RSX9-115R	RKW-3	9	45R&45B
RSX9-125A	RKW-2	9	45R&45B
RSX9-125B	RKW-3	9	45R&45B
RSX9-125C	RKW-3	9	45R&45B
RSX9-125R	RKW-2	9	45R&45B
RSX9-135A	RKW-2	9	45R&45B
RSX9-135B	RKW-3	9	45R&45B
RSX9-135C	RKW-3	9	45R&45B
RSX9-135R	RKW-2	9	45R&45B
RSX9-145A	RKW-2	9	45R&45B
RSX9-145B	RKW-3	9	45R&45B
RSX9-145C	RKW-3	9	45R&45B
RSX9-145R	RKW-2	9	45R&45B
RSX9-155B	RKW-3	9	45R&45B
RSX9-155C	RKW-3	9	45R&45B
RSX9-165C	RKW-3	9	45R&45B

## XII. PTO APPLICATION



RKW1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5740MM)	(758)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	85			Included	255	49	(5)
MH6SC01X(1)1(2)	OPP	113			Included	255	49	(5)
MH6SE01X(1)1(2)	OPP	136			Included	230	44	(5)
MH6SJ01X(1)1(2)	OPP	148			Included	230	44	(5)
MH6SO01X(1)1(2)	OPP	194			Included	205	39	(5)
MH6SR01X(1)1(2)	OPP	212			Included	205	39	(5)
MH6SS01X(1)1(2)	OPP	233			Included	195	37	(5)
MH6ST01X(1)1(2)	OPP	255			Included	180	34	(5)

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	78			Included	255	49	
MH8SB01X(1)1(2)	OPP	85			Included	255	49	
MH8SC01X(1)1(2)	OPP	113			Included	255	49	
MH8SE01X(1)1(2)	OPP	136			Included	230	44	
MH8SJ01X(1)1(2)	OPP	148			Included	230	44	
MH8SO01X(1)1(2)	OPP	194			Included	205	39	
MH8SR01X(1)1(2)	OPP	212			Included	205	39	
MH8SS01X(1)1(2)	OPP	233			Included	195	37	
MH8ST01X(1)1(2)	OPP	255			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	85			Included	505	95	
MHD8SC01X(3)3(4)	OPP	105			Included	505	95	
MHD8SE01X(3)3(4)	OPP	128			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	156			Included	405	95	
MHD8SO01(3)3(4)	OPP	188			Included	355	95	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



RKW2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5740MM)	(1017)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	114			Included	255	49	(5)
MH6SC01X(1)1(2)	OPP	152			Included	255	49	(5)
MH6SE01X(1)1(2)	OPP	182			Included	230	44	(5)
MH6SJ01X(1)1(2)	OPP	199			Included	230	44	(5)
MH6SO01X(1)1(2)	OPP	260			Included	205	39	(5)
MH6SR01X(1)1(2)	OPP	285			Included	205	39	(5)
MH6SS01X(1)1(2)	OPP	312			Included	195	37	(5)
MH6ST01X(1)1(2)	OPP	343			Included	180	34	(5)

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	104			Included	255	49	
MH8SB01X(1)1(2)	OPP	114			Included	255	49	
MH8SC01X(1)1(2)	OPP	152			Included	255	49	
MH8SE01X(1)1(2)	OPP	182			Included	230	44	
MH8SJ01X(1)1(2)	OPP	199			Included	230	44	
MH8SO01X(1)1(2)	OPP	260			Included	205	39	
MH8SR01X(1)1(2)	OPP	285			Included	205	39	
MH8SS01X(1)1(2)	OPP	312			Included	195	37	
MH8ST01X(1)1(2)	OPP	343			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	113			Included	505	95	
MHD8SC01X(3)3(4)	OPP	141			Included	505	95	
MHD8SE01X(3)3(4)	OPP	172			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	209			Included	405	95	
MHD8SO01(3)3(4)	OPP	253			Included	355	95	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Rockwell / Meritor

RKW3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5740MM)	(871)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	98			Included	255	49	(5)
MH6SC01X(1)1(2)	OPP	130			Included	255	49	(5)
MH6SE01X(1)1(2)	OPP	156			Included	230	44	(5)
MH6SJ01X(1)1(2)	OPP	170			Included	230	44	(5)
MH6SO01X(1)1(2)	OPP	223			Included	205	39	(5)
<b>BOTTOM SIDE</b>								
<b>8 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	89			Included	255	49	
MH8SB01X(1)1(2)	OPP	98			Included	255	49	
MH8SC01X(1)1(2)	OPP	130			Included	255	49	
MH8SE01X(1)1(2)	OPP	156			Included	230	44	
MH8SJ01X(1)1(2)	OPP	170			Included	230	44	
MH8SO01X(1)1(2)	OPP	223			Included	205	39	
<b>8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY</b>								
MHD8SB01X(3)3(4)	OPP	97			Included	505	95	
MHD8SC01X(3)3(4)	OPP	121			Included	505	95	
MHD8SE01X(3)3(4)	OPP	147			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	179			Included	405	95	
MHD8SO01(3)3(4)	OPP	216			Included	355	95	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Rockwell / Meritor

RKW4

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5740MM)	(982)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)1(2)	OPP	110			Included	255	49	
MH6SC01X(1)1(2)	OPP	147			Included	255	49	
MH6SE01X(1)1(2)	OPP	176			Included	230	44	
MH6SJ01X(1)1(2)	OPP	192			Included	230	44	
MH6SO01X(1)1(2)	OPP	251			Included	205	39	
MH6SR01X(1)1(2)	OPP	275			Included	205	39	
MH6SS01X(1)1(2)	OPP	301			Included	195	37	
MH6ST01X(1)1(2)	OPP	331			Included	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	100			Included	255	49	
MH8SB01X(1)1(2)	OPP	110			Included	255	49	
MH8SC01X(1)1(2)	OPP	147			Included	255	49	
MH8SE01X(1)1(2)	OPP	176			Included	230	44	
MH8SJ01X(1)1(2)	OPP	192			Included	230	44	
MH8SO01X(1)1(2)	OPP	251			Included	205	39	
MH8SR01X(1)1(2)	OPP	275			Included	205	39	
MH8SS01X(1)1(2)	OPP	301			Included	195	37	
MH8ST01X(1)1(2)	OPP	331			Included	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	110			Included	505	95	
MHD8SC01X(3)3(4)	OPP	136			Included	505	95	
MHD8SE01X(3)3(4)	OPP	166			Included	505	95	
MHD8SJ01X(3)3(4)	OPP	202			Included	405	95	
MHD8SO01(3)3(4)	OPP	244			Included	355	95	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

### Saab-Scania Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
GR-870	N/A	10	41R
GR-871	N/A	10	41R

## XII. PTO APPLICATION



Saab-Scania

SCB1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)



### Spicer / TTC Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
AMO1000-4C (BM#301474)	SPR-3	4	39R&39L
AMO1000-4D (BM#301475)	SPR-3	4	39R&39L
AMO610-4L (BM#301478)	N/A	3	34R
APO1000-4C (BM#301476)	N/A	4	39R&39L
APO1000-4D (BM#301477)	N/A	4	39R&39L
AS100-10D (BM#301612)	SPR-47	10	45R&45L
AS125-10D (BM#301613)	SPR-47	10	45R&45L
AS125-9A	SPR-40	9	45R&45L
AS135-10D (BM#301614)	SPR-47	10	45R&45L
AS135-9A	SPR-40	9	45R&45L
AS140-9A	SPR-40	9	45R&45L
AS145-10D (BM#301615)	SPR-47	10	45R&45L
AS56-7B (AMT-7 SER.AUTOMATED MECH. TRANSMISSION)	N/A	7	34R&34L
ASO10-ESP	SPR-44	10	45R&45L
ASO10-VP10	SPR-44	10	45R&45L
ASO100-10S	SPR-44	10	45R&45L
ASO125-10S (BM#301579)	SPR-44	10	45R&45L
ASO125-9A	SPR-41	9	45R&45L
ASO135-9A	SPR-41	9	45R&45L
ASO140-10S (BM#301580)	SPR-44	10	45R&45L
ASO140-9A	SPR-41	9	45R&45L
ASO145-9A	SPR-41	9	45R&45L
ASO150-10S (BM#301578)	SPR-44	10	45R&45L
ASO150-9A	SPR-41	9	45R&45L
ASO160-10S	SPR-44	10	45R&45L
ASO165-10S (BM#301581)	SPR-44	10	45R&45L
ASO66-7B (AMT-7 SER.AUTO TRANSMISSION)	SPR-42	7	34R&34L
ATO100-4D	SPR-3	4	39R&39L
ATO1000-4C (BM#301474)	SPR-3	4	39R&39L
ATO1000-4D (BM#301475)	SPR-3	4	39R&39L
ATO610-4L (BM#301478)	N/A	3	34R
CM4052-A	SPR-30	5	40R&40L
CM4052-D	SPR-31	5	42R&42L
CM4054-A	SPR-30	5	40R&40L
CM4054-D	SPR-31	5	42R&42L
CM4954-A	SPR-37	5	32R&32L
CM4954-D	SPR-38	5	34R&34L
CM50-HD	TSP-4	5	43R&43L
CM5052-A	SPR-5	5	41R&41L
CM5052B	SPR-4	5	39R&39L

### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
CM5052-C	SPR-5	5	41R&41L
CM5052-D	SPR-6	5	43R&43L
CM5252-A	SPR-6	5	43R&43L
CM5510-A	SPR-5	5	41R&41L
CM5552-A	SPR-5	5	41R&41L
CM5552-B	SPR-4	5	39R&39L
CM5552-C	SPR-5	5	41R&41L
CM5552-D	SPR-6	5	43R&43L
CM5852-A	SPR-6	5	43R&43L
CM5952-A	SPR-32	5	41R&41L
CM5952-B	SPR-33	5	39R&39L
CM5952-C	SPR-32	5	41R&41L
CM5952-D	SPR-34	5	43R&43L
CM5952-E	SPR-35	5	43R&43L
CM6052-A	SPR-7	5	40R&40L
CM6052-B	SPR-8	5	38R&38L
CM6052-C	SPR-9	5	42R&42L
CM6052-D	SPR-9	5	42R&42L
CM6252-A	SPR-10	5	39R&39L
CM6252-B	SPR-11	5	35R&35L
CM6253-A	SPR-12	5	44R&44L
CM6253-B	SPR-13	5	46R&46L
CV-31 (SPICER MEXICO)	N/A	5	22R&25L
CV-34 (SPICER MEXICO)	N/A	5	42R&25L
CV-37F (SPICER MEXICO)	N/A	5	21R&26L
CV-65B (SPICER MEXICO)	SPR-1	5	23R&25L
CV-66 (SPICER MEXICO)	SPR-2	5	23R&25L
CV-67 (SPICER MEXICO)	SPR-1	5	23R&25L
EPSO175-16M (BM#301856)	SPR-49	16	57R&57B
ES42-5A (BM#301438)	SPR-30	5	40R&40L
ES42-5D (BM#301439)	SPR-31	5	42R&42L
ES43-5A (BM#301633)	SPR-37	5	32R&32L
ES43-5D (BM#301634)	SPR-38	5	34R&34L
ES46-5A	N/A	5	32R&32L
ES52-5A (BM#301455)	SPR-37	5	32R&32L
ES52-5D (BM#301456)	SPR-38	5	34R&34L
ES52-7A (BM#301635)	SPR-43	7	34R&34L
ES52-7B (BM#301637)	SPR-43	7	34R&34L
ES53-5A (BM#301631)	SPR-37	5	32R&32L
ES53-5D (BM#301632)	SPR-38	5	34R&34L

## XII. PTO APPLICATION



### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
ES55-5D	SPR-34	5	41R&41L
ES56-5A	N/A		32R&32L
ES56-7B	N/A	7	34R&34L
ES60-5A (BM#301460)	SPR-32	5	41R&41L
ES60-5C (BM#301461)	SPR-32	5	43R&43L
ES60-5D (BM#301462)	SPR-34	5	43R&43L
ES60-5E (BM#301463)	SPR-35	5	41R&41L
ES60-5F (BM#301482)	SPR-32	5	41R&41L
ES62-5A (BM#301528)	SPR-32	5	41R&41L
ES62-5D (BM#301530)	SPR-34	5	43R&43L
ES65-5A (BM#301466)	SPR-7	5	40R&40L
ES65-5B (BM#301467)	SPR-8	5	38R&38L
ES65-5C	SPR-9	5	42R&42L
ES65-5D (BM#301469)	SPR-9	5	42R&42L
ES65-5E (BM#301468)	SPR-9	5	42R&42L
ES67-5A (BM#301532)	SPR-32	5	41R&41L
ES67-5D (BM#301534)	SPR-34	5	43R&43L
ES70-5A (BM#301536)	SPR-7	5	40R&40L
ES70-5D (BM#301539)	SPR-9	5	42R&42L
ES72-5A	SPR-7	5	40R&40L
ES72-5B	SPR-13	5	46R&46L
ES72-5C	SPR-9	5	42R&42L
ES72-5D	SPR-9	5	42R&42L
ESO65-7A (BM#301636)	SPR-42	7	34R&34L
ESO66-7B (BM#301638)	SPR-42	7	34R&34L
LAS100-10D (BM#301616)	SPR-47	10	45R&45L
LAS115-9A (BM#301590)	SPR-40	9	45R&45L
LAS125-10D (BM#301617)	SPR-47	10	45R&45L
LAS125-9A	SPR-40	9	45R&45L
LAS135-10D (BM#301618)	SPR-47	10	45R&45L
LAS135-9A (BM#301592)	SPR-40	9	45R&45L
LAS140-9A	SPR-40	9	45R&45L
LAS145-10D (BM#301619)	SPR-47	10	45R&45L
LAS145-9A (BM#301593)	SPR-40	9	45R&45L
LASO115-9A (BM#301954)	SPR-41	9	45R&45L
LASO125-10S (BM#301620)	SPR-44	10	45R&45L
LASO125-9A (BM#301595)	SPR-41	9	45R&45L
LASO135-9A (BM#301597)	SPR-41	9	45R&45L
LASO140-10S (BM#301621)	SPR-44	10	45R&45L
LASO140-9A	SPR-41	9	45R&45L

### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
LASO145-9A (BM#301596)	SPR-41	9	45R&45L
LASO150-10S (BM#301622)	SPR-44	10	45R&45L
LASO150-9A	SPR-41	9	45R&45L
LLAS100-10D	SPR-47	10	45R&45L
LLAS125-10D	SPR-47	10	45R&45L
LLAS135-10D	SPR-47	10	45R&45L
LLAS145-10D	SPR-47	10	45R&45L
LLASO125-10S	SPR-44	10	45R&45L
LLASO140-10S	SPR-44	10	45R&45L
LLASO150-10S	SPR-44	10	45R&45L
LLPS100-10D	SPR-47	10	45R&45L
LLPS125-10D	SPR-47	10	45R&45L
LLPS135-10D	SPR-47	10	45R&45L
LLPS145-10D	SPR-47	10	45R&45L
LLPSO100-10S	SPR-44	10	45R&45L
LLPSO125-10S	SPR-44	10	45R&45L
LLPSO140-10S	SPR-44	10	45R&45L
LLPSO150-10S	SPR-44	10	45R&45L
LLPSO165-10S	SPR-44	10	45R&45L
LPS100-10D (BM#301608)	SPR-47	10	45R&45L
LPS125-10D (BM#301609)	SPR-47	10	45R&45L
LPS125-9A (BM#301567)	SPR-40	9	45R&45L
LPS135-10D (BM#301610)	SPR-47	10	45R&45L
LPS140-9A (BM#301569)	SPR-40	9	45R&45L
LPS145-10D (BM#301611)	SPR-47	10	45R&45L
LPSO100-10S	SPR-44	10	45R&45L
LPSO125-10S (BM#301572)	SPR-44	10	45R&45L
LPSO125-9A (BM#301568)	SPR-41	9	45R&45L
LPSO140-10S (BM#301573)	SPR-44	10	45R&45L
LPSO140-9A (BM#301570)	SPR-41	9	45R&45L
LPSO150-10S (BM#301574)	SPR-44	10	45R&45L
LPSO150-9A (BM#301571)	SPR-41	10	45R&45L
LPSO165-10S	SPR-44	10	45R&45L
MODEL 23/24	N/A	1	36L
PS100-10D (BM#301604)	SPR-47	10	45R&45L
PS105-7LL (BM#301464)	SPR-39	7	43R&43B
PS110-7A (BM#301516)	SPR-27	7	43R&43B
PS110-7B (BM#301518)	SPR-29	7	56R&56B
PS125-10D (BM#301605)	SPR-47	10	45R&45L
PS125-6L	SPR-39	5	43R&43B

### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
PS125-7A	SPR-29	7	56R&56B
PS125-7B (BM#301445)	SPR-29	7	56R&56B
PS125-9A (BM#301554)	SPR-40	9	45R&45L
PS130-10A (BM#301485)	SPR-28	10	51R&51B
PS130-12A (BM#301484)	SPR-28	12	51R&51B
PS130-5A (BM#301470)	SPR-25	5	43R&43B
PS130-6B (BM#301471)	SPR-17	6	48R&48B
PS130-6C	SPR-17	6	48R&48B
PS130-6L (BM#301465)	SPR-39	6	43R&43B
PS135-10D (BM#301606)	SPR-47	10	45R&45L
PS140-5	SPR-24	5	44R&44B
PS140-7A (BM#301444)	SPR-27	7	43R&43B
PS140-9A (BM#301555)	SPR-40	9	45R&45L
PS145-10D (BM#301607)	SPR-47	10	45R&45L
PS145-7A (BM#301520)	SPR-27	7	43R&43B
PS85-14-4L (BM#301525)	SPR-28	14	51R&51B
PS86-10V (BM#301587)	SPR-48	10	45R&45L
PS9-VPD	SPR-40	9	45R&45L
PS95-9A (BM#301553)	SPR-40	9	45R&45L
PS97-7A (BM#301446)	SPR-36	7	50R&50B
PSO10-ESP	SPR-44	10	45R&45L
PSO10-VPD	SPR-44	10	45R&45L
PSO100-10S (BM#301560)	SPR-44	10	45R&45L
PSO105-7LL	SPR-39	9	43R&43B
PSO115-10V (BM#301588)	SPR-44	10	45R&45L
PSO120-8LL (BM#301644)	SPR-22	9	54R&54B
PSO125-10D	SPR-50	10	45R&45L
PSO125-10S (BM#301561)	SPR-44	10	45R&45L
PSO125-10V (BM#301589)	SPR-44	10	45R&45L
PSO125-6L	SPR-22	7	54R&54B
PSO125-9A (BM#301556)	SPR-41	9	45R&45L
PSO135-10D	SPR-50	10	45R&45L
PSO140-10S (BM#301562)	SPR-44	10	45R&45L
PSO140-12B (BM#301473)	SPR-14	12	54R&54B
PSO140-14A (BM#301483)	SPR-14	14	54R&54B
PSO140-6A (BM#301472)	SPR-21	6	54R&54B
PSO140-6C	SPR-21	6	54R&54B
PSO140-9A (BM#301557)	SPR-41	9	45R&45L
PSO145-10D	SPR-50	10	45R&45L
PSO145-10V (BM#301582)	SPR-44	10	45R&45L

### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
PSO145-9R (BM#301625)	SPR-44	9	45R&45L
PSO150-10S (BM#301563)	SPR-44	10	45R&45L
PSO150-16A (BM#301641)	SPR-45	16	54R&54B
PSO150-16B (BM#301647)	SPR-46	16	56R&56B
PSO150-9A (BM#301558)	SPR-41	9	45R&45L
PSO155-10D	SPR-50	10	45R&45L
PSO160-10S	SPR-44	10	45R&45L
PSO165-10D	SPR-50	10	45R&45L
PSO165-10S (BM#301564)	SPR-44	10	45R&45L
PSO165-12B (BM#301586)	SPR-14	12	54R&54B
PSO165-16B (BM#301583)	SPR-49	16	57R&57B
PSO165-18A (BM#301666)	SPR-49	18	57R&57B
PSO175-16B (BM#301587)	SPR-46	16	56R&56B
PSO175-16M (BM#301645)	SPR-46	16	56R&56B
PSO175-16SM (BM#301853)	SPR-49	16	57R&57B
PSO175-18A (BM#301585)	SPR-49	18	57R&57B
PSO175-18M (BM#301849)	SPR-49	18	57R&57B
PSO85-14-4L (BM#301540)	SPR-14	14	54R&54B
PSO9-VPD	SPR-41	9	45R&45L
PSO95-9	SPR-41	9	45R&45L
PSX150-9S (BM#301521)	SPR-44	9	45R&45L
R8341-C	N/A	4	33R
R8341-D	N/A	4	34R
R8341-E	N/A	4	35R
R8341-F	N/A	4	33R
R8341-G	N/A	4	34R
R8341-K	N/A	4	33R
R8341-L	N/A	4	34R
R8516 (All Models - Compound Rear Box)	N/A	16	32R
R8716 (Compound Rear Box)	N/A	16	32R
RP8341-C	N/A	4	33R
RP8341-D	N/A	4	34R
RP8341-F	N/A	4	33R
RP8341-G	N/A	4	34R
RP8341-K	N/A	4	33R
RP8341-L	N/A	4	34R
RP8516 (All Models - Compound Rear Box)	N/A	16	32R
RP8716 (Compound Rear Box)	N/A	16	32R
TR-4050 (Transmission Made in Mexico)	N/A	5	32R
TSP120-12A	TSP-2	10	51R&51B

## XII. PTO APPLICATION



### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
TSPO145-14A	TSP-5	14	56R&56B
TSPO155-14HP	TSP-5	14	56R&56B
TSPO155-16A	TSP-3	10	54R&54B
TSPO155-16HP	TSP-1	16	56R&56B
TSPO165-18A	TSP-6	18	57R&57B
TSPO165-18HP	TSP-6	18	57R&57B
TSPO175-18M	TSP-6	18	57R&57B
TSPO180-16SM	N/A	16	84R&84L
TSPO180-18SM	N/A	18	76R&76L
1007-2A (BM#301117)	SPR-23	7	45R&45B
1007-2A (BM#301206)	SPR-23	7	45R&45B
1007-2B (BM#301118)	SPR-17	7	48R&48B
1007-2B (BM#301207)	SPR-17	7	48R&48B
1007-3A (BM#301121)	SPR-22	7	54R&54B
1007-3A (BM#301208)	SPR-22	7	54R&54B
1010-2A (BM#301111 & LATER)	SPR-19	10	49R&49B
1010-3A (BM#301113 & LATER)	SPR-14	10	54R&54B
1010-3B (BM#301115 & LATER)	SPR-16	10	48R&48B
1010-4A (BM#301112 & LATER)	SPR-19	10	49R&49B
1010-5A (BM#301114 & LATER)	SPR-14	10	54R&54B
1020-2A (BM#301123 & LATER)	SPR-19	20	49R&49B
1020-3A (BM#301125 & LATER)	SPR-16	20	48R&48B
1020-4A (BM#301124 & LATER)	SPR-19	20	49R&49B
1020-5A (BM#301126 & LATER)	SPR-16	20	48R&48B
1052-A (BM#301091 & LATER)	SPR-25	5	43R&43B
1054-A (BM#301092 & LATER)	SPR-25	5	43R&43B
1062-A (BM#301101 & LATER)	SPR-23	6	45R&45B
1062-B (BM#301103 & LATER)	SPR-17	6	48R&48B
1062-C (BM#301133 & LATER)	SPR-17	6	48R&48B
1062-D (BM#301148)	SPR-17	6	48R&48B
1064-A (BM#301102 & LATER)	SPR-23	6	45R&45B
1064-B (BM#301104 & LATER)	SPR-17	6	48R&48B
1064-C (BM#301136)	SPR-17	6	48R&48B
1064-D (BM#3301149)	SPR-17	6	48R&48B
1107-2A (BM#301156)	SPR-26	7	51R&51B
1107-2A (BM#301201)	SPR-27	7	43R&43B
1207-2A (BM#301195)	SPR-23	7	45R&45B
1207-2B (BM#301196)	SPR-17	7	48R&48B
1207-3A (BM#301199)	SPR-22	7	54R&54B
1214-3A (BM#301212 & 301130 & LATER)	SPR-15	14	54R&54B

### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
1214-5A (BM#301213 & 301131 & LATER)	SPR-15	14	54R&54B
1241-C (AUX.)	SPR-3	4	39R&39L
1241-D (AUX.)	SPR-3	4	39R&39L
1252-A (BM#301094 & LATER)	SPR-24	5	44R&44B
1253-A (BM#301096 & LATER)	SPR-18	5	51R&51B
1253-B (BM#301098 & LATER)	SPR-20	5	55R&55B
1254-A (BM#301095 & LATER)	SPR-24	5	44R&44B
1255-A (BM#301097 & LATER)	SPR-18	5	51R&51B
1255-B (BM#301099 & LATER)	SPR-20	5	55R&55B
1262-A (BM#301105 & LATER)	SPR-23	6	45R&45B
1263-A (BM#301107 & LATER)	SPR-21	6	54R&54B
1263-B (BM#301109 & LATER)	SPR-22	6	54R&54B
1264-A (BM#301106)	SPR-23	6	45R&45B
1265-A (BM#301108)	SPR-21	6	54R&54B
1272-A (BM#301140 & LATER)	SPR-17	7	48R&48B
1272-A (BM#301215)	SPR-17	7	48R&48B
1272-B (BM#301158)	SPR-17	7	48R&48B
1274-A (BM#301216 7 301141)	SPR-17	7	48R&48B
1274-B (BM#301159)	SPR-17	7	48R&48B
1310-2A (BM#301116)	SPR-28	10	51R&51B
1310-4A (BM#301317)	SPR-28	10	51R&51B
1352-A (BM#301235)	SPR-25	5	43R&43B
1362-A (BM#301169)	SPR-23	6	45R&45B
1362-B (BM#301171)	SPR-17	6	48R&48B
1362-C (BM#301178)	SPR-17	6	48R&48B
1362-D (BM#301180)	SPR-17	6	48R&48B
1364-C (BM#301179)	SPR-17	6	48R&48B
1372-A (BM#301271)	SPR-27	7	43R&43B
1372-B (BM#301325)	SPR-29	7	56R&56B
1374-A (BM#301272)	SPR-27	7	43R&43B
1410-2A (BM#301288)	SPR-19	10	49R&49B
1410-3A (BM#301163)	SPR-14	10	54R&54B
1410-3B (BM#301165)	SPR-16	10	48R&48B
1412-3A (BM#301227-1)	SPR-14	10	54R&54B
1414-3A (BM#301243)	SPR-14	14	54R&54B
1414-3A (BM#301290)	SPR-14	14	54R&54B
1420-3A (BM#301232)	SPR-14	14	54R&54B
1420-3B (BM#301332)	SPR-14	10	54R&54B
1452-A (BM#301183)	SPR-24	5	44R&44B
1453-A (BM#301185)	SPR-18	5	51R&51B



## XII. PTO APPLICATION



### Spicer / TTC Transmission Index - *cont'd.*

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
1453-B (BM#301187)	SPR-20	5	55R&55B
1462-A (BM#301173)	SPR-23	6	45R&45B
1463-A (BM#301175)	SPR-21	6	54R&54B
9072-A	SPR-36	7	50R&50B
9505-2A	SPR-39	5	43R&43B
9505-2B	SPR-39	5	56R&56B

## XII. PTO APPLICATION



Spicer / TTC

SPR1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 23 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9870" (25.0700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 25 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.1810" (80.7974MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)1(2)	OPP	54	M6125		MH170-3X	255	49	
MH6NE05X(1)1(2)	OPP	58	M6125		MH170-3X	230	44	
MH6NJ05X(1)1(2)	OPP	67	M6125		MH170-3X	230	44	
MH6NO05X(1)1(2)	OPP	83	M6125		MH170-3X	205	39	
MH6NR05X(1)1(2)	OPP	92	M6125		MH170-3X	205	39	
MH6NS05X(1)1(2)	OPP	105	M6125		MH170-3X	195	37	
MH6NT05X(1)1(2)	OPP	112	M6125		MH170-3X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>Nothing Available At This Time</b>								

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 23 TEETH - HELIX PITCH LINE TO APERTURE FACE: .9870" (25.0700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 25 TEETH - SPUR PITCH LINE TO APERTURE FACE: 3.1810" (80.7974MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)1(2)	OPP	46	M6125		MH170-3X	255	49	
MH6NE05X(1)1(2)	OPP	49	M6125		MH170-3X	230	44	
MH6NJ05X(1)1(2)	OPP	57	M6125		MH170-3X	230	44	
MH6NO05X(1)1(2)	OPP	72	M6125		MH170-3X	205	39	
MH6NR05X(1)1(2)	OPP	79	M6125		MH170-3X	205	39	
MH6NS05X(1)1(2)	OPP	85	M6125		MH170-3X	195	37	
MH6NT05X(1)1(2)	OPP	95	M6125		MH170-3X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
<b>Nothing Available At This Time</b>								

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline 39 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9460" (24.0300MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt opening - Gear Rear of Centerline 39 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6750" (17.1500MM)
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(.884)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC02X(1)2(2)	OPP	132	M6093		MH170-3X	255	49	
MH6NE02X(1)2(2)	OPP	159	M6093		MH170-3X	230	44	
MH6NJ02X(1)2(2)	OPP	173	M6093		MH170-3X	230	44	
MH6NO02X(1)2(2)	OPP	227	M6093		MH170-3X	205	39	
MH6NR02X(1)2(2)	OPP	248	M6093		MH170-3X	205	39	
MH6NS02X(1)2(2)	OPP	272	M6093		MH170-3X	195	37	
MH6NT02X(1)2(2)	OPP	299	M6093		MH170-3X	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC02X(1)4(2)	OPP	132	M8062		MH8170-190X	255	49	
MH8NE02X(1)4(2)	OPP	159	M8062		MH8170-190X	230	44	
MH8NJ02X(1)4(2)	OPP	173	M8062		MH8170-190X	230	44	
MH8NO02X(1)4(2)	OPP	227	M8062		MH8170-190X	205	39	
MH8NR02X(1)4(2)	OPP	248	M8062		MH8170-190X	205	39	
MH8NS02X(1)4(2)	OPP	272	M8062		MH8170-190X	195	37	
MH8NT02X(1)4(2)	OPP	299	M8062		MH8170-190X	180	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR4

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .6300" (16.0020MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9340" (23.7236MM)
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(.49)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	58	M8062 M8093		MH8170-190X	255	49	
MH8NE08X(1)1(2)	OPP	70	M8062 M8093		MH8170-190X	230	44	
MH8NJ08X(1)1(2)	OPP	76	M8062 M8093		MH8170-190X	230	44	
MH8NO08X(1)1(2)	OPP	100	M8062 M8093		MH8170-190X	205	39	
MH8NR08X(1)1(2)	OPP	109	M8062 M8093		MH8170-190X	205	39	
MH8NS08X(1)1(2)	OPP	119	M8062 M8093		MH8170-190X	195	37	
MH8NT08X(1)1(2)	OPP	131	M8062 M8093		MH8170-190X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	58	M8200		MH170-4X	255	49	
MH6NE08X(1)3(2)	OPP	70	M8200		MH170-4X	230	44	
MH6NJ08X(1)3(2)	OPP	76	M8200		MH170-4X	230	44	
MH6NO08X(1)3(2)	OPP	100	M8200		MH170-4X	205	39	
MH6NR08X(1)3(2)	OPP	109	M8200		MH170-4X	205	39	
MH6NS08X(1)3(2)	OPP	119	M8200		MH170-4X	195	37	
MH6NT08X(1)3(2)	OPP	131	M8200		MH170-4X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR5

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 41 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .4700" (11.9380MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 41 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .7720" (18.3388MM)
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(.49)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	61	M8248 M8093		MH8170-192X	255	49	
MH8NE08X(1)1(2)	OPP	73	M8248 M8093		MH8170-192X	230	44	
MH8NJ08X(1)1(2)	OPP	80	M8248 M8093		MH8170-192X	230	44	
MH8NO08X(1)1(2)	OPP	105	M8248 M8093		MH8170-192X	205	39	
MH8NR08X(1)1(2)	OPP	115	M8248 M8093		MH8170-192X	205	39	
MH8NS08X(1)1(2)	OPP	126	M8248 M8093		MH8170-192X	195	37	
MH8NT08X(1)1(2)	OPP	138	M8248 M8093		MH8170-192X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	61	M6400		MH170-5X	255	49	
MH6NE08X(1)3(2)	OPP	73	M6400		MH170-5X	230	44	
MH6NJ08X(1)3(2)	OPP	80	M6400		MH170-5X	230	44	
MH6NO08X(1)3(2)	OPP	105	M6400		MH170-5X	205	39	
MH6NR08X(1)3(2)	OPP	115	M6400		MH170-5X	205	39	
MH6NS08X(1)3(2)	OPP	126	M6400		MH170-5X	195	37	
MH6NT08X(1)3(2)	OPP	138	M6400		MH170-5X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR6

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .2900" (7.3660MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .5600" (14.2240MM)
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(.49)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	64	M8375 M8093		MH8170-192X	255	49	3
MH8NE08X(1)1(2)	OPP	77	M8375 M8093		MH8170-192X	230	44	3
MH8NJ08X(1)1(2)	OPP	84	M8375 M8093		MH8170-192X	230	44	3
MH8NO08X(1)1(2)	OPP	110	M8375 M8093		MH8170-192X	205	39	3
MH8NR08X(1)1(2)	OPP	120	M8375 M8093		MH8170-192X	205	39	3
MH8NS08X(1)1(2)	OPP	132	M8375 M8093		MH8170-192X	195	37	3
MH8NT08X(1)1(2)	OPP	145	M8375 M8093		MH8170-192X	180	34	3

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	64	M6500		MH170-6X	255	49	3
MH6NE08X(1)3(2)	OPP	77	M6500		MH170-6X	230	44	3
MH6NJ08X(1)3(2)	OPP	84	M6500		MH170-6X	230	44	3
MH6NO08X(1)3(2)	OPP	110	M6500		MH170-6X	205	39	3
MH6NR08X(1)3(2)	OPP	120	M6500		MH170-6X	205	39	3
MH6NS08X(1)3(2)	OPP	132	M6500		MH170-6X	195	37	3
MH6NT08X(1)3(2)	OPP	145	M6500		MH170-6X	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
(3) For P.T.O. speeds on CM5052D transmission, multiply speeds shown by .92	

## XII. PTO APPLICATION



Spicer / TTC

SPR7

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 40 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: -.0250 (-.63500MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 40 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .8090" (20.5500MM)
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(.52)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	72	M8700 M8062		MH8170-129X	255	49	
MH8NE05X(1)1(2)	OPP	87	M8700 M8062		MH8170-129X	230	44	
MH8NJ05X(1)1(2)	OPP	95	M8700 M8062		MH8170-129X	230	44	
MH8NO05X(1)1(2)	OPP	124	M8700 M8062		MH8170-129X	205	39	
MH8NR05X(1)1(2)	OPP	135	M8700 M8062		MH8170-129X	205	39	
MH8NS05X(1)1(2)	OPP	149	M8700 M8062		MH8170-129X	195	37	
MH8NT05X(1)1(2)	OPP	163	M8700 M8062		MH8170-129X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	72	M6240		MH170-5X	255	49	
MH6NE05X(1)3(2)	OPP	87	M6240		MH170-5X	230	44	
MH6NJ05X(1)3(2)	OPP	95	M6240		MH170-5X	230	44	
MH6NO05X(1)3(2)	OPP	124	M6240		MH170-5X	205	39	
MH6NR05X(1)3(2)	OPP	135	M6240		MH170-5X	205	39	
MH6NS05X(1)3(2)	OPP	149	M6240		MH170-5X	195	37	
MH6NT05X(1)3(2)	OPP	163	M6240		MH170-5X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)



## XII. PTO APPLICATION



Spicer / TTC

SPR8

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 38 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .1600 (4.0600MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 38 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9940" (25.2500MM)
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(.522)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	69	M8500 M8062		MH8170-129X	255	49	
MH8NE05X(1)1(2)	OPP	83	M8500 M8062		MH8170-129X	230	44	
MH8NJ05X(1)1(2)	OPP	90	M8500 M8062		MH8170-129X	230	44	
MH8NO05X(1)1(2)	OPP	118	M8500 M8062		MH8170-129X	205	39	
MH8NR05X(1)1(2)	OPP	129	M8500 M8062		MH8170-129X	205	39	
MH8NS05X(1)1(2)	OPP	142	M8500 M8062		MH8170-129X	195	37	
MH8NT05X(1)1(2)	OPP	156	M8500 M8062		MH8170-129X	180	34	

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	69	M6093		MH170-3X	255	49	
MH6NE05X(1)3(2)	OPP	83	M6093		MH170-3X	230	44	
MH6NJ05X(1)3(2)	OPP	90	M6093		MH170-3X	230	44	
MH6NO05X(1)3(2)	OPP	118	M6093		MH170-3X	205	39	
MH6NR05X(1)3(2)	OPP	129	M6093		MH170-3X	205	39	
MH6NS05X(1)3(2)	OPP	142	M6093		MH170-3X	195	37	
MH6NT05X(1)3(2)	OPP	156	M6093		MH170-3X	180	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR9

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 42 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: -.2110 (-5.1700MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 42 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .6230" (15.8200MM)
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(.52)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	76	M8600 M8375		MH8170-14X	255	49	3
MH8NE05X(1)1(2)	OPP	91	M8600 M8375		MH8170-14X	230	44	3
MH8NJ05X(1)1(2)	OPP	99	M8600 M8375		MH8170-14X	230	44	3
MH8NO05X(1)1(2)	OPP	130	M8600 M8375		MH8170-14X	205	39	3
MH8NR05X(1)1(2)	OPP	142	M8600 M8375		MH8170-14X	205	39	3
MH8NS05X(1)1(2)	OPP	156	M8600 M8375		MH8170-14X	195	37	3
MH8NT05X(1)1(2)	OPP	171	M8600 M8375		MH8170-14X	180	34	3

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	76	M6450		MH170-6X	255	49	3
MH6NE05X(1)3(2)	OPP	91	M6450		MH170-6X	230	44	3
MH6NJ05X(1)3(2)	OPP	99	M6450		MH170-6X	230	44	3
MH6NO05X(1)3(2)	OPP	130	M6450		MH170-6X	205	39	3
MH6NR05X(1)3(2)	OPP	142	M6450		MH170-6X	205	39	3
MH6NS05X(1)3(2)	OPP	156	M6450		MH170-6X	195	37	3
MH6NT05X(1)3(2)	OPP	171	M6450		MH170-6X	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- (3) For P.T.O. speeds on CM6052D transmission, multiply speeds shown by .92

## XII. PTO APPLICATION



Spicer / TTC

SPR10

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .0670 (1.7000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9020" (22.9100MM)
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(.667)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	90	M8650 M8165		MH8170-131X	255	49	
MH8NE05X(1)1(2)	OPP	108	M8650 M8165		MH8170-131X	230	44	
MH8NJ05X(1)1(2)	OPP	118	M8650 M8165		MH8170-131X	230	44	
MH8NO05X(1)1(2)	OPP	155	M8650 M8165		MH8170-131X	205	39	
MH8NR05X(1)1(2)	OPP	169	M8650 M8165		MH8170-131X	205	39	
MH8NS05X(1)1(2)	OPP	186	M8650 M8165		MH8170-131X	195	37	
MH8NT05X(1)1(2)	OPP	204	M8650 M8165		MH8170-131X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	90	M6200		MH170-4X	255	49	
MH6NE05X(1)3(2)	OPP	108	M6200		MH170-4X	230	44	
MH6NJ05X(1)3(2)	OPP	118	M6200		MH170-4X	230	44	
MH6NO05X(1)3(2)	OPP	155	M6200		MH170-4X	205	39	
MH6NR05X(1)3(2)	OPP	169	M6200		MH170-4X	205	39	
MH6NS05X(1)3(2)	OPP	186	M6200		MH170-4X	195	37	
MH6NT05X(1)3(2)	OPP	204	M6200		MH170-4X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR11

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 35 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .4390 (11.1500MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 35 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.2730" (32.3300MM)
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(.75)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	91	M8165 M8093		MH8170-8X	255	49	
MH8NE05X(1)1(2)	OPP	109	M8165 M8093		MH8170-8X	230	44	
MH8NJ05X(1)1(2)	OPP	120	M8165 M8093		MH8170-8X	230	44	
MH8NO05X(1)1(2)	OPP	156	M8165 M8093		MH8170-8X	205	39	
MH8NR05X(1)1(2)	OPP	171	M8165 M8093		MH8170-8X	205	39	
MH8NS05X(1)1(2)	OPP	188	M8165 M8093		MH8170-8X	195	37	
MH8NT05X(1)1(2)	OPP	206	M8165 M8093		MH8170-8X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	91	M6062		INCLUDED	255	49	
MH6NE05X(1)3(2)	OPP	109	M6062		INCLUDED	230	44	
MH6NJ05X(1)3(2)	OPP	120	M6062		INCLUDED	230	44	
MH6NO05X(1)3(2)	OPP	156	M6062		INCLUDED	205	39	
MH6NR05X(1)3(2)	OPP	171	M6062		INCLUDED	205	39	
MH6NS05X(1)3(2)	OPP	188	M6062		INCLUDED	195	37	
MH6NT05X(1)3(2)	OPP	206	M6062		INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR12

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 44 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: -.3970 (-10.0800MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 44 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .4370" (11.1000MM)
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(.667)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	102	M81005 M8165		MH8170-18X	255	49	
MH8NE05X(1)1(2)	OPP	122	M81005 M8165		MH8170-18X	230	44	
MH8NJ05X(1)1(2)	OPP	134	M81005 M8165		MH8170-18X	230	44	
MH8NO05X(1)1(2)	OPP	175	M81005 M8165		MH8170-18X	205	39	
MH8NR05X(1)1(2)	OPP	191	M81005 M8165		MH8170-18X	205	39	
MH8NS05X(1)1(2)	OPP	210	M81005 M8165		MH8170-18X	195	37	
MH8NT05X(1)1(2)	OPP	230	M81005 M8165		MH8170-18X	180	34	

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	102	M6700		MH170-8X	255	49	
MH6NE05X(1)3(2)	OPP	122	M6700		MH170-8X	230	44	
MH6NJ05X(1)3(2)	OPP	134	M6700		MH170-8X	230	44	
MH6NO05X(1)3(2)	OPP	175	M6700		MH170-8X	205	39	
MH6NR05X(1)3(2)	OPP	191	M6700		MH170-8X	205	39	
MH6NS05X(1)3(2)	OPP	210	M6700		MH170-8X	195	37	
MH6NT05X(1)3(2)	OPP	230	M6700		MH170-8X	180	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR13

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt opening - Gear Forward of Centerline 46 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: -.5830 (-14.8100MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 46 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .2520" (6.4000MM)
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(.75)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC05X(1)1(2)	OPP	120	M81200 M8062		MH8170-7X	255	49	
MH8NE05X(1)1(2)	OPP	144	M81200 M8062		MH8170-7X	230	44	
MH8NJ05X(1)1(2)	OPP	157	M81200 M8062		MH8170-7X	230	44	
MH8NO05X(1)1(2)	OPP	205	M81200 M8062		MH8170-7X	205	39	
MH8NR05X(1)1(2)	OPP	225	M81200 M8062		MH8170-7X	205	39	
MH8NS05X(1)1(2)	OPP	246	M81200 M8062		MH8170-7X	195	37	
MH8NT05X(1)1(2)	OPP	271	M81200 M8062		MH8170-7X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC05X(1)3(2)	OPP	120	M6800		MH170-9X	255	49	
MH6NE05X(1)3(2)	OPP	144	M6800		MH170-9X	230	44	
MH6NJ05X(1)3(2)	OPP	157	M6800		MH170-9X	230	44	
MH6NO05X(1)3(2)	OPP	205	M6800		MH170-9X	205	39	
MH6NR05X(1)3(2)	OPP	225	M6800		MH170-9X	205	39	
MH6NS05X(1)3(2)	OPP	246	M6800		MH170-9X	195	37	
MH6NT05X(1)3(2)	OPP	271	M6800		MH170-9X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR14

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7210 ( 18.3100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5660" (14.3800MM)	L(.48)/H(.625)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	84	M6300		MH170-5X	255	49	5
MH6NC01X(1)1(2)	OPP	112	M6300		MH170-5X	255	49	5
MH6NE01X(1)1(2)	OPP	134	M6300		MH170-5X	230	44	5
MH6NJ01X(1)1(2)	OPP	147	M6300		MH170-5X	230	44	5
MH6NO01X(1)1(2)	OPP	192	M6300		MH170-5X	205	39	5
MH6NR01X(1)1(2)	OPP	210	M6300		MH170-5X	205	39	5
MH6NS01X(1)1(2)	OPP	230	M6300		MH170-5X	195	37	5
MH6NT01X(1)1(2)	OPP	253	M6300		MH170-5X	180	34	5

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	77	M8062/M8093		MH8170-8X	255	49	3
MH8NB01X(1)1(2)	OPP	84	M8062/M8093		MH8170-8X	255	44	3
MH8NC01X(1)1(2)	OPP	112	M8062/M8093		MH8170-8X	255	49	3
MH8NE01X(1)1(2)	OPP	134	M8062/M8093		MH8170-8X	230	44	3
MH8NJ01X(1)1(2)	OPP	147	M8062/M8093		MH8170-8X	230	44	3
MH8NO01X(1)1(2)	OPP	192	M8062/M8093		MH8170-8X	205	39	3
MH8NR01X(1)1(2)	OPP	210	M8062/M8093		MH8170-8X	205	39	3
MH8NS01X(1)1(2)	OPP	230	M8062/M8093		MH8170-8X	195	37	3
MH8NT01X(1)1(2)	OPP	253	M8062/M8093		MH8170-8X	180	34	3

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	74	M8165		MH8170-14X	505	95	5
MHD8SC01X(3)3(4)	OPP	93	M8165		MH8170-14X	505	95	5
MHD8SE01X(3)3(4)	OPP	113	M8165		MH8170-14X	505	95	5
MHD8SJ01X(3)3(4)	OPP	137	M8165		MH8170-14X	405	95	5
MHD8SO01(3)3(4)	OPP	166	M8165		MH8170-14X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |   |   |
|---|---|
| (1) Pick Shifting Option  | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option  | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option  | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option  | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)  |
| (5) Speeds shown are with transmission in high range - for speeds in low range multiply speeds shown by .77 |   |

## XII. PTO APPLICATION



Spicer / TTC

SPR15

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7210 ( 18.3100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5660" (14.3700MM)
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(.57)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	77	M6300		MH170-5X	255	49	3
MH6NC01X(1)1(2)	OPP	102	M6300		MH170-5X	255	49	3
MH6NE01X(1)1(2)	OPP	122	M6300		MH170-5X	230	44	3
MH6NJ01X(1)1(2)	OPP	134	M6300		MH170-5X	230	44	3
MH6NO01X(1)1(2)	OPP	175	M6300		MH170-5X	205	39	3
MH6NR01X(1)1(2)	OPP	191	M6300		MH170-5X	205	39	3
MH6NS01X(1)1(2)	OPP	210	M6300		MH170-5X	195	37	3
MH6NT01X(1)1(2)	OPP	230	M6300		MH170-5X	180	34	3

<b>BOTTOM SIDE</b>								
<b>8 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	70	M8062/M8093		MH8170-8X	255	49	3
MH8NB01X(1)1(2)	OPP	77	M8062/M8093		MH8170-8X	255	44	3
MH8NC01X(1)1(2)	OPP	102	M8062/M8093		MH8170-8X	255	49	3
MH8NE01X(1)1(2)	OPP	122	M8062/M8093		MH8170-8X	230	44	3
MH8NJ01X(1)1(2)	OPP	134	M8062/M8093		MH8170-8X	230	44	3
MH8NO01X(1)1(2)	OPP	175	M8062/M8093		MH8170-8X	205	39	3
MH8NR01X(1)1(2)	OPP	191	M8062/M8093		MH8170-8X	205	39	3
MH8NS01X(1)1(2)	OPP	210	M8062/M8093		MH8170-8X	195	37	3
MH8NT01X(1)1(2)	OPP	230	M8062/M8093		MH8170-8X	180	34	3

<b>8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MHD8SB01X(3)3(4)	OPP	80	M8165		MH8170-14X	505	95	5
MHD8SC01X(3)3(4)	OPP	99	M8165		MH8170-14X	505	95	5
MHD8SE01X(3)3(4)	OPP	121	M8165		MH8170-14X	505	95	5
MHD8SJ01X(3)3(4)	OPP	147	M8165		MH8170-14X	405	95	5
MHD8SO01(3)3(4)	OPP	178	M8165		MH8170-14X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |   |   |
|---|---|
| (1) Pick Shifting Option  | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option  | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option  | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option  | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)  |
| (5) Speeds shown are with transmission in high range - for speeds in low range multiply speeds shown by .84 |   |



## XII. PTO APPLICATION



Spicer / TTC

SPR16

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 48 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.2210( 31.0100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 48 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0660" (27.0800MM) <span style="float: right;">(.625)</span>
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	75	M6140		MH170-2X	255	49	5
MH6NC01X(1)1(2)	OPP	100	M6140		MH170-2X	255	49	5
MH6NE01X(1)1(2)	OPP	119	M6140		MH170-2X	230	44	5
MH6NJ01X(1)1(2)	OPP	130	M6140		MH170-2X	230	44	5
MH6NO01X(1)1(2)	OPP	170	M6140		MH170-2X	205	39	5
MH6NR01X(1)1(2)	OPP	187	M6140		MH170-2X	205	39	5
MH6NS01X(1)1(2)	OPP	205	M6140		MH170-2X	195	37	5
MH6NT01X(1)1(2)	OPP	225	M6140		MH170-2X	180	34	5

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB01X(1)1(2)	OPP	75	MGA6032(P)	MH481X	INCLUDED	255	44	5,6,7
MH6DC01X(1)1(2)	OPP	100	MGA6032(P)	MH481X	INCLUDED	255	49	5,6,7
MH6DE01X(1)1(2)	OPP	119	MGA6032(P)	MH481X	INCLUDED	230	44	5,6,7
MH6DJ01X(1)1(2)	OPP	130	MGA6032(P)	MH481X	INCLUDED	230	44	5,6,7
MH6DO01X(1)1(2)	OPP	170	MGA6032(P)	MH481X	INCLUDED	205	39	5,6,7
MH6DR01X(1)1(2)	OPP	187	MGA6032(P)	MH481X	INCLUDED	205	39	5,6,7
MH6DS01X(1)1(2)	OPP	205	MGA6032(P)	MH481X	INCLUDED	195	37	5,6,7
MH6DT01X(1)1(2)	OPP	225	MGA6032(P)	MH481X	INCLUDED	180	34	5,6,7

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8DB01X(3)3(4)	OPP	78	M8700		MH8170-133X	505	95	5,6,7
MHD8DC01X(3)3(4)	OPP	97	M8700		MH8170-133X	505	95	5,6,7
MHD8DE01X(3)3(4)	OPP	118	M8700		MH8170-133X	505	95	5,6,7
MHD8DJ01X(3)3(4)	OPP	143	M8700		MH8170-133X	405	95	5,6,7
MHD8DO01(3)3(4)	OPP	173	M8700		MH8170-133X	355	95	5,6,7

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)
(5) Speeds shown are with transmission in high range - for speeds in low range multiply speeds shown by 1.28	
(6) (P) Means P.T.O. Side	
(7) This P.T.O needs a MH328481X adapter plate to mount the P.T.O.. Ask customer service for information.	

## XII. PTO APPLICATION



Spicer / TTC

SPR17

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 48 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.2210( 31.0100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 48 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0650" (27.0500MM) <span style="float: right;">(.481)</span>
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB01X(1)1(2)	OPP	58	M6140		MH170-2X	255	49	3
MH6DC01X(1)1(2)	OPP	77	M6140		MH170-2X	255	49	3
MH6DE01X(1)1(2)	OPP	92	M6140		MH170-2X	230	44	3
MH6DJ01X(1)1(2)	OPP	100	M6140		MH170-2X	230	44	3
MH6DO01X(1)1(2)	OPP	131	M6140		MH170-2X	205	39	3
MH6DR01X(1)1(2)	OPP	144	M6140		MH170-2X	205	39	3
MH6DS01X(1)1(2)	OPP	157	M6140		MH170-2X	195	37	3
MH6DT01X(1)1(2)	OPP	173	M6140		MH170-2X	180	34	3

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
Nothing Available At This Time								
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8DB01X(3)3(4)	OPP	60	M8700		MH8170-133X	505	95	5
MHD8DC01X(3)3(4)	OPP	75	M8700		MH8170-133X	505	95	5
MHD8DE01X(3)3(4)	OPP	91	M8700		MH8170-133X	505	95	5
MHD8DJ01X(3)3(4)	OPP	110	M8700		MH8170-133X	405	95	5
MHD8DO01(3)3(4)	OPP	133	M8700		MH8170-133X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |   |   |
|---|---|
| (1) Pick Shifting Option  | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option  | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option  | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option  | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |
| (5) For trans. Models 1007-2B, 1062B, 1064B, and 1064D, multiply speeds shown by 1.04 |   |

## XII. PTO APPLICATION



Spicer / TTC

SPR18

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9710" (24.6600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8160" (20.7300MM)
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(.68)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	87	M6093		MH170-3X	255	49	
MH6NC01X(1)1(2)	OPP	115	M6093		MH170-3X	255	49	
MH6NE01X(1)1(2)	OPP	138	M6093		MH170-3X	230	44	
MH6NJ01X(1)1(2)	OPP	151	M6093		MH170-3X	230	44	
MH6NO01X(1)1(2)	OPP	197	M6093		MH170-3X	205	39	
MH6NR01X(1)1(2)	OPP	216	M6093		MH170-3X	205	39	
MH6NS01X(1)1(2)	OPP	236	M6093		MH170-3X	195	37	
MH6NT01X(1)1(2)	OPP	260	M6093		MH170-3X	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	79			INCLUDED	255	49	
MH8SB01X(1)1(2)	OPP	87			INCLUDED	255	49	
MH8SC01X(1)1(2)	OPP	115			INCLUDED	255	49	
MH8SE01X(1)1(2)	OPP	138			INCLUDED	230	44	
MH8SJ01X(1)1(2)	OPP	151			INCLUDED	230	44	
MH8SO01X(1)1(2)	OPP	197			INCLUDED	205	39	
MH8SR01X(1)1(2)	OPP	216			INCLUDED	205	39	
MH8SS01X(1)1(2)	OPP	236			INCLUDED	195	37	
MH8ST01X(1)1(2)	OPP	260			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8SB01X(3)3(4)	OPP	90			INCLUDED	505	95	
MHD8SC01X(3)3(4)	OPP	112			INCLUDED	505	95	
MHD8SE01X(3)3(4)	OPP	136			INCLUDED	505	95	
MHD8SJ01X(3)3(4)	OPP	166			INCLUDED	405	95	
MHD8SO01(3)3(4)	OPP	200			INCLUDED	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR19

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.1380( 29.9100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 49 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9830" (24.9700MM)
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(.68)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	83	M6140		MH170-2X	255	49	3
MH6NC01X(1)1(2)	OPP	111	M6140		MH170-2X	255	49	3
MH6NE01X(1)1(2)	OPP	133	M6140		MH170-2X	230	44	3
MH6NJ01X(1)1(2)	OPP	145	M6140		MH170-2X	230	44	3
MH6NO01X(1)1(2)	OPP	189	M6140		MH170-2X	205	39	3
MH6NR01X(1)1(2)	OPP	207	M6140		MH170-2X	205	39	3
MH6NS01X(1)1(2)	OPP	227	M6140		MH170-2X	195	37	3
MH6NT01X(1)1(2)	OPP	249	M6140		MH170-2X	180	34	3

BOTTOM SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DB01X(1)1(2)	OPP	83	MGA6032(P)	MH481X	INCLUDED	255	44	3,4,5
MH6DC01X(1)1(2)	OPP	111	MGA6032(P)	MH481X	INCLUDED	255	49	3,4,5
MH6DE01X(1)1(2)	OPP	133	MGA6032(P)	MH481X	INCLUDED	230	44	3,4,5
MH6DJ01X(1)1(2)	OPP	145	MGA6032(P)	MH481X	INCLUDED	230	44	3,4,5
MH6DO01X(1)1(2)	OPP	189	MGA6032(P)	MH481X	INCLUDED	205	39	3,4,5
MH6DR01X(1)1(2)	OPP	207	MGA6032(P)	MH481X	INCLUDED	205	39	3,4,5
MH6DS01X(1)1(2)	OPP	227	MGA6032(P)	MH481X	INCLUDED	195	37	3,4,5
MH6DT01X(1)1(2)	OPP	249	MGA6032(P)	MH481X	INCLUDED	180	34	3,4,5

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
(3) Speeds shown are with transmission in low range - for speeds in high range multiply speeds shown by 1.27	
(4) (P) Means P.T.O. Side	
(5) This P.T.O needs a MH328481X adapter plate to mount the P.T.O.. Ask customer service for information.	

## XII. PTO APPLICATION



Spicer / TTC

SPR20

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 55 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6380 ( 16.2100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 55 TEETH - SPUR PITCH LINE TO APERTURE FACE: .4830" (12.2700MM)
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(.68)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	94	M6350		MH170-5X	255	49	
MH6NC01X(1)1(2)	OPP	124	M6350		MH170-5X	255	49	
MH6NE01X(1)1(2)	OPP	149	M6350		MH170-5X	230	44	
MH6NJ01X(1)1(2)	OPP	163	M6350		MH170-5X	230	44	
MH6NO01X(1)1(2)	OPP	213	M6350		MH170-5X	205	39	
MH6NR01X(1)1(2)	OPP	233	M6350		MH170-5X	205	39	
MH6NS01X(1)1(2)	OPP	255	M6350		MH170-5X	195	37	
MH6NT01X(1)1(2)	OPP	280	M6350		MH170-5X	180	34	

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	85	M8032/M8165		MH8170-190X	255	49	
MH8NB01X(1)1(2)	OPP	94	M8032/M8165		MH8170-190X	255	44	
MH8NC01X(1)1(2)	OPP	124	M8032/M8165		MH8170-190X	255	49	
MH8NE01X(1)1(2)	OPP	149	M8032/M8165		MH8170-190X	230	44	
MH8NJ01X(1)1(2)	OPP	163	M8032/M8165		MH8170-190X	230	44	
MH8NO01X(1)1(2)	OPP	213	M8032/M8165		MH8170-190X	205	39	
MH8NR01X(1)1(2)	OPP	233	M8032/M8165		MH8170-190X	205	39	
MH8NS01X(1)1(2)	OPP	255	M8032/M8165		MH8170-190X	195	37	
MH8NT01X(1)1(2)	OPP	280	M8032/M8165		MH8170-190X	180	34	

8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MHD8NB01X(3)3(4)	OPP	97	M8190		MH8170-14X	505	95	
MHD8NC01X(3)3(4)	OPP	121	M8190		MH8170-14X	505	95	
MHD8NE01X(3)3(4)	OPP	147	M8190		MH8170-14X	505	95	
MHD8NJ01X(3)3(4)	OPP	179	M8190		MH8170-14X	405	95	
MHD8NO01(3)3(4)	OPP	216	M8190		MH8170-14X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR21

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7210 (18.3100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5660" (14.3800MM)
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(.571)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	77	M6270		MH170-9X	255	49	
MH6NC01X(1)1(2)	OPP	102	M6270		MH170-9X	255	49	
MH6NE01X(1)1(2)	OPP	123	M6270		MH170-9X	230	44	
MH6NJ01X(1)1(2)	OPP	134	M6270		MH170-9X	230	44	
MH6NO01X(1)1(2)	OPP	175	M6270		MH170-9X	205	39	
MH6NR01X(1)1(2)	OPP	192	M6270		MH170-9X	205	39	
MH6NS01X(1)1(2)	OPP	210	M6270		MH170-9X	195	37	
MH6NT01X(1)1(2)	OPP	231	M6270		MH170-9X	180	34	

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	70	M8062/M8093		MH8170-190X	255	49	
MH8NB01X(1)1(2)	OPP	77	M8062/M8093		MH8170-190X	255	44	
MH8NC01X(1)1(2)	OPP	102	M8062/M8093		MH8170-190X	255	49	
MH8NE01X(1)1(2)	OPP	123	M8062/M8093		MH8170-190X	230	44	
MH8NJ01X(1)1(2)	OPP	134	M8062/M8093		MH8170-190X	230	44	
MH8NO01X(1)1(2)	OPP	175	M8062/M8093		MH8170-190X	205	39	
MH8NR01X(1)1(2)	OPP	192	M8062/M8093		MH8170-190X	205	39	
MH8NS01X(1)1(2)	OPP	210	M8062/M8093		MH8170-190X	195	37	
MH8NT01X(1)1(2)	OPP	231	M8062/M8093		MH8170-190X	180	34	
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8NB01X(3)3(4)	OPP	80	M8093		MH8170-14X	505	95	
MHD8NC01X(3)3(4)	OPP	100	M8093		MH8170-14X	505	95	
MHD8NE01X(3)3(4)	OPP	121	M8093		MH8170-14X	505	95	
MHD8NJ01X(3)3(4)	OPP	147	M8093		MH8170-14X	405	95	
MHD8NO01(3)3(4)	OPP	178	M8093		MH8170-14X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Spicer / TTC

SPR22

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7210 (18.3100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5660" (14.3800MM)
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(.57)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	77	M6032/M6350		MH170-6X	255	49	
MH6NC01X(1)1(2)	OPP	102	M6032/M6350		MH170-6X	255	49	
MH6NE01X(1)1(2)	OPP	122	M6032/M6350		MH170-6X	230	44	
MH6NJ01X(1)1(2)	OPP	134	M6032/M6350		MH170-6X	230	44	
MH6NO01X(1)1(2)	OPP	175	M6032/M6350		MH170-6X	205	39	
MH6NR01X(1)1(2)	OPP	191	M6032/M6350		MH170-6X	205	39	
MH6NS01X(1)1(2)	OPP	210	M6032/M6350		MH170-6X	195	37	
MH6NT01X(1)1(2)	OPP	230	M6032/M6350		MH170-6X	180	34	

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	70	M8032/M8165		MH8170-204X	255	49	
MH8NB01X(1)1(2)	OPP	77	M8032/M8165		MH8170-204X	255	44	
MH8NC01X(1)1(2)	OPP	102	M8032/M8165		MH8170-204X	255	49	
MH8NE01X(1)1(2)	OPP	122	M8032/M8165		MH8170-204X	230	44	
MH8NJ01X(1)1(2)	OPP	134	M8032/M8165		MH8170-204X	230	44	
MH8NO01X(1)1(2)	OPP	175	M8032/M8165		MH8170-204X	205	39	
MH8NR01X(1)1(2)	OPP	191	M8032/M8165		MH8170-204X	205	39	
MH8NS01X(1)1(2)	OPP	210	M8032/M8165		MH8170-204X	195	37	
MH8NT01X(1)1(2)	OPP	230	M8032/M8165		MH8170-204X	180	34	
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8NB01X(3)3(4)	OPP	80	M8248		MH8170-14X	505	95	
MHD8NC01X(3)3(4)	OPP	100	M8248		MH8170-14X	505	95	
MHD8NE01X(3)3(4)	OPP	121	M8248		MH8170-14X	505	95	
MHD8NJ01X(3)3(4)	OPP	147	M8248		MH8170-14X	405	95	
MHD8NO01(3)3(4)	OPP	178	M8248		MH8170-14X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR23

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.4710 (37.3600MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.3160" (33.4300MM)
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(.50)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	56	M61640(T)	MAD530-1X	MH170-29X	255	49	5,6
MH6NC01X(1)1(2)	ENG	75	M61640(T)	MAD530-1X	MH170-29X	255	49	5,6
MH6NE01X(1)1(2)	ENG	89	M61640(T)	MAD530-1X	MH170-29X	230	44	5,6
MH6NJ01X(1)1(2)	ENG	98	M61640(T)	MAD530-1X	MH170-29X	230	44	5,6
MH6NO01X(1)1(2)	ENG	128	M61640(T)	MAD530-1X	MH170-29X	205	39	5,6
MH6NR01X(1)1(2)	ENG	140	M61640(T)	MAD530-1X	MH170-29X	205	39	5,6
MH6NS01X(1)1(2)	ENG	153	M61640(T)	MAD530-1X	MH170-29X	195	37	5,6
MH6NT01X(1)1(2)	ENG	168	M61640(T)	MAD530-1X	MH170-29X	180	34	5,6

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8DB01X(3)3(4)	OPP	58	M8093/M8295		MH8170-131X	505	95	5,6
MHD8DC01X(3)3(4)	OPP	73	M8093/M8295		MH8170-131X	505	95	5,6
MHD8DE01X(3)3(4)	OPP	88	M8093/M8295		MH8170-131X	505	95	5,6
MHD8DJ01X(3)3(4)	OPP	107	M8093/M8295		MH8170-131X	405	95	5,6
MHD8DO01(3)3(4)	OPP	130	M8093/M8295		MH8170-131X	355	95	5,6

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |   |   |
|---|---|
| (1) Pick Shifting Option  | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option  | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option  | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option  | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |
| (5) (T) =   | Transmission side.  |
| (6) For trans, models 1262A, 1264A, and 1462A, P.T.O. speeds multiply speeds shown by 1.14. |   |



## XII. PTO APPLICATION



Spicer / TTC

SPR24

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 44 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.5540 (39.4700MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 44 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.4000" (35.5600MM)
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(.54)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	59	M61520(T)	MAD530-1X	MH170-28X	255	49	5
MH6NC01X(1)1(2)	ENG	79	M61520(T)	MAD530-1X	MH170-28X	255	49	5
MH6NE01X(1)1(2)	ENG	95	M61520(T)	MAD530-1X	MH170-28X	230	44	5
MH6NJ01X(1)1(2)	ENG	103	M61520(T)	MAD530-1X	MH170-28X	230	44	5
MH6NO01X(1)1(2)	ENG	135	M61520(T)	MAD530-1X	MH170-28X	205	39	5
MH6NR01X(1)1(2)	ENG	148	M61520(T)	MAD530-1X	MH170-28X	205	39	5
MH6NS01X(1)1(2)	ENG	162	M61520(T)	MAD530-1X	MH170-28X	195	37	5
MH6NT01X(1)1(2)	ENG	178	M61520(T)	MAD530-1X	MH170-28X	180	34	5

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8DB01X(3)3(4)	OPP	62	M8295		MH8170-130X	505	95	5
MHD8DC01X(3)3(4)	OPP	77	M8295		MH8170-130X	505	95	5
MHD8DE01X(3)3(4)	OPP	93	M8295		MH8170-130X	505	95	5
MHD8DJ01X(3)3(4)	OPP	113	M8295		MH8170-130X	405	95	5
MHD8DO01(3)3(4)	OPP	137	M8295		MH8170-130X	355	95	5

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)
(5) (T) = Transmission side.	

## XII. PTO APPLICATION



Spicer / TTC

SPR25

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.6380 (41.6100MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 43 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.4830" (37.6700MM)
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(.50)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	54	M61468(T)	MAD530-1X	MH170-28X	255	49	5
MH6NC01X(1)1(2)	ENG	71	M61468(T)	MAD530-1X	MH170-28X	255	49	5
MH6NE01X(1)1(2)	ENG	86	M61468(T)	MAD530-1X	MH170-28X	230	44	5
MH6NJ01X(1)1(2)	ENG	93	M61468(T)	MAD530-1X	MH170-28X	230	44	5
MH6NO01X(1)1(2)	ENG	122	M61468(T)	MAD530-1X	MH170-28X	205	39	5
MH6NR01X(1)1(2)	ENG	134	M61468(T)	MAD530-1X	MH170-28X	205	39	5
MH6NS01X(1)1(2)	ENG	147	M61468(T)	MAD530-1X	MH170-28X	195	37	5
MH6NT01X(1)1(2)	ENG	161	M61468(T)	MAD530-1X	MH170-28X	180	34	5

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8DB01X(3)3(4)	OPP	56	M8248		MH8170-130X	505	95	
MHD8DC01X(3)3(4)	OPP	69	M8248		MH8170-130X	505	95	
MHD8DE01X(3)3(4)	OPP	84	M8248		MH8170-130X	505	95	
MHD8DJ01X(3)3(4)	OPP	103	M8248		MH8170-130X	405	95	
MHD8DO01(3)3(4)	OPP	124	M8248		MH8170-130X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
(5) (T) = Transmission side.	

## XII. PTO APPLICATION



Spicer / TTC

SPR26

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9760 (24.7904MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8170" (20.7518MM)
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(.571)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	73	M6093		MH170-3X	255	49	
MH6NC01X(1)1(2)	OPP	97	M6093		MH170-3X	255	49	
MH6NE01X(1)1(2)	OPP	116	M6093		MH170-3X	230	44	
MH6NJ01X(1)1(2)	OPP	127	M6093		MH170-3X	230	44	
MH6NO01X(1)1(2)	OPP	165	M6093		MH170-3X	205	39	
MH6NR01X(1)1(2)	OPP	181	M6093		MH170-3X	205	39	
MH6NS01X(1)1(2)	OPP	199	M6093		MH170-3X	195	37	
MH6NT01X(1)1(2)	OPP	218	M6093		MH170-3X	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)1(2)	OPP	66			INCLUDED	255	49	
MH8SB01X(1)1(2)	OPP	73			INCLUDED	255	49	
MH8SC01X(1)1(2)	OPP	97			INCLUDED	255	49	
MH8SE01X(1)1(2)	OPP	116			INCLUDED	230	44	
MH8SJ01X(1)1(2)	OPP	127			INCLUDED	230	44	
MH8SO01X(1)1(2)	OPP	165			INCLUDED	205	39	
MH8SR01X(1)1(2)	OPP	181			INCLUDED	205	39	
MH8SS01X(1)1(2)	OPP	199			INCLUDED	195	37	
MH8ST01X(1)1(2)	OPP	218			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	75				505	95	
MHD8XC01X(3)3(4)	OPP	94				505	95	
MHD8XE01X(3)3(4)	OPP	114				505	95	
MHD8XJ01X(3)3(4)	OPP	139				405	95	
MHD8XO01(3)3(4)	OPP	168				355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR27

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9900 (25.1500MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9900 (25.1500MM)	(.38)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB02X(1)1(2)	OPP	47			INCLUDED	255	49	
MH6SC02X(1)1(2)	OPP	63			INCLUDED	255	49	
MH6SE02X(1)1(2)	OPP	75			INCLUDED	230	44	
MH6SJ02X(1)1(2)	OPP	82			INCLUDED	230	44	
MH6SO02X(1)1(2)	OPP	108			INCLUDED	205	39	
MH6SR02X(1)1(2)	OPP	118			INCLUDED	205	39	
MH6SS02X(1)1(2)	OPP	129			INCLUDED	195	37	
MH6ST02X(1)1(2)	OPP	142			INCLUDED	180	34	

<b>BOTTOM SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB02X(1)1(2)	OPP	47			INCLUDED	255	49	
MH6SC02X(1)1(2)	OPP	63			INCLUDED	255	49	
MH6SE02X(1)1(2)	OPP	75			INCLUDED	230	44	
MH6SJ02X(1)1(2)	OPP	82			INCLUDED	230	44	
MH6SO02X(1)1(2)	OPP	108			INCLUDED	205	39	
MH6SR02X(1)1(2)	OPP	118			INCLUDED	205	39	
MH6SS02X(1)1(2)	OPP	129			INCLUDED	195	37	
MH6ST02X(1)1(2)	OPP	142			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |  |
|--------------------------|--|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)  |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) |

## XII. PTO APPLICATION



Spicer / TTC

SPR28

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8630 (21.9200MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7070" (17.9600MM)	L(.426)/H(.55)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	54	M6187		MH170-3X	255	49	3
MH6NC01X(1)1(2)	OPP	72	M6187		MH170-3X	255	49	3
MH6NE01X(1)1(2)	OPP	86	M6187		MH170-3X	230	44	3
MH6NJ01X(1)1(2)	OPP	94	M6187		MH170-3X	230	44	3
MH6NO01X(1)1(2)	OPP	123	M6187		MH170-3X	205	39	3
MH6NR01X(1)1(2)	OPP	135	M6187		MH170-3X	205	39	3
MH6NS01X(1)1(2)	OPP	148	M6187		MH170-3X	195	37	3
MH6NT01X(1)1(2)	OPP	163	M6187		MH170-3X	180	34	3

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	49	M8062		MH8170-190X	255	49	5
MH8NB01X(1)1(2)	OPP	54	M8062		MH8170-190X	255	49	5
MH8NC01X(1)1(2)	OPP	72	M8062		MH8170-190X	255	49	5
MH8NE01X(1)1(2)	OPP	86	M8062		MH8170-190X	230	44	5
MH8NJ01X(1)1(2)	OPP	94	M8062		MH8170-190X	230	44	5
MH8NO01X(1)1(2)	OPP	123	M8062		MH8170-190X	205	39	5
MH8NR01X(1)1(2)	OPP	135	M8062		MH8170-190X	205	39	5
MH8NS01X(1)1(2)	OPP	148	M8062		MH8170-190X	195	37	5
MH8NT01X(1)1(2)	OPP	163	M8062		MH8170-190X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	56	M8062		MH8170-15X	505	95	
MHD8XC01X(3)3(4)	OPP	70	M8062		MH8170-15X	505	95	
MHD8XE01X(3)3(4)	OPP	85	M8062		MH8170-15X	505	95	
MHD8XJ01X(3)3(4)	OPP	104	M8062		MH8170-15X	405	95	
MHD8XO01(3)3(4)	OPP	125	M8062		MH8170-15X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)
(5) All speeds shown with low head set gear ratio. For high speed ratio head set gear ratio multiply speeds by 1.29	

## XII. PTO APPLICATION



Spicer / TTC

SPR29

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6680 (16.9700MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 6- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .6680 (16.9700MM)
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(.42)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	59	M6300		MH170-4X	255	49	
MH6NC01X(1)1(2)	OPP	78	M6300		MH170-4X	255	49	
MH6NE01X(1)1(2)	OPP	94	M6300		MH170-4X	230	44	
MH6NJ01X(1)1(2)	OPP	102	M6300		MH170-4X	230	44	
MH6NO01X(1)1(2)	OPP	134	M6300		MH170-4X	205	39	
MH6NR01X(1)1(2)	OPP	146	M6300		MH170-4X	205	39	
MH6NS01X(1)1(2)	OPP	160	M6300		MH170-4X	195	37	
MH6NT01X(1)1(2)	OPP	176	M6300		MH170-4X	180	34	

BOTTOM SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	59	M6300		MH170-4X	255	49	
MH6NC01X(1)1(2)	OPP	78	M6300		MH170-4X	255	49	
MH6NE01X(1)1(2)	OPP	94	M6300		MH170-4X	230	44	
MH6NJ01X(1)1(2)	OPP	102	M6300		MH170-4X	230	44	
MH6NO01X(1)1(2)	OPP	134	M6300		MH170-4X	205	39	
MH6NR01X(1)1(2)	OPP	146	M6300		MH170-4X	205	39	
MH6NS01X(1)1(2)	OPP	160	M6300		MH170-4X	195	37	
MH6NT01X(1)1(2)	OPP	176	M6300		MH170-4X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR30

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 40 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0000 (25.4000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 40 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.0000 (25.4000MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC11X(1)1(2)	OPP	58			INCLUDED	255	49	
MH6SE11X(1)1(2)	OPP	62			INCLUDED	230	44	
MH6SJ11X(1)1(2)	OPP	72			INCLUDED	230	44	
MH6SO11X(1)1(2)	OPP	90			INCLUDED	205	39	
MH6SR11X(1)1(2)	OPP	98			INCLUDED	205	39	
MH6SS11X(1)1(2)	OPP	112			INCLUDED	195	37	
MH6ST11X(1)1(2)	OPP	130			INCLUDED	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC11X(1)3(2)	OPP	58			INCLUDED	255	49	
MH6SE11X(1)3(2)	OPP	62			INCLUDED	230	44	
MH6SJ11X(1)3(2)	OPP	72			INCLUDED	230	44	
MH6SO11X(1)3(2)	OPP	90			INCLUDED	205	39	
MH6SR11X(1)3(2)	OPP	98			INCLUDED	205	39	
MH6SS11X(1)3(2)	OPP	112			INCLUDED	195	37	
MH6ST11X(1)3(2)	OPP	130			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR31

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 42 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .8500 (21.5900MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 42 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .8500 (21.5900MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC11X(1)1(2)	OPP	61	M6140		MH170-3X	255	49	
MH6NE11X(1)1(2)	OPP	65	M6140		MH170-3X	230	44	
MH6NJ11X(1)1(2)	OPP	75	M6140		MH170-3X	230	44	
MH6NO11X(1)1(2)	OPP	95	M6140		MH170-3X	205	39	
MH6NR11X(1)1(2)	OPP	102	M6140		MH170-3X	205	39	
MH6NS11X(1)1(2)	OPP	111	M6140		MH170-3X	195	37	
MH6NT11X(1)1(2)	OPP	117	M6140		MH170-3X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC11X(1)3(2)	OPP	61	M6140		MH170-3X	255	49	
MH6NE11X(1)3(2)	OPP	65	M6140		MH170-3X	230	44	
MH6NJ11X(1)3(2)	OPP	75	M6140		MH170-3X	230	44	
MH6NO11X(1)3(2)	OPP	95	M6140		MH170-3X	205	39	
MH6NR11X(1)3(2)	OPP	102	M6140		MH170-3X	205	39	
MH6NS11X(1)3(2)	OPP	111	M6140		MH170-3X	195	37	
MH6NT11X(1)3(2)	OPP	117	M6140		MH170-3X	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF=A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)



## XII. PTO APPLICATION



Spicer / TTC

SPR32

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt Opening - Gear Forward of Centerline 41 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .4450 (11.3000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 41 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .7200 (18.2900MM)
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(.49)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	61	M8248 M8093		MH8170-192X	255	49	
MH8NE08X(1)1(2)	OPP	73	M8248 M8093		MH8170-192X	230	44	
MH8NJ08X(1)1(2)	OPP	80	M8248 M8093		MH8170-192X	230	44	
MH8NO08X(1)1(2)	OPP	105	M8248 M8093		MH8170-192X	205	39	
MH8NR08X(1)1(2)	OPP	115	M8248 M8093		MH8170-192X	205	39	
MH8NS08X(1)1(2)	OPP	126	M8248 M8093		MH8170-192X	195	37	
MH8NT08X(1)1(2)	OPP	138	M8248 M8093		MH8170-192X	180	34	

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	61	M6300		MH170-5X	255	49	
MH6NE08X(1)3(2)	OPP	73	M6300		MH170-5X	230	44	
MH6NJ08X(1)3(2)	OPP	80	M6300		MH170-5X	230	44	
MH6NO08X(1)3(2)	OPP	105	M6300		MH170-5X	205	39	
MH6NR08X(1)3(2)	OPP	115	M6300		MH170-5X	205	39	
MH6NS08X(1)3(2)	OPP	126	M6300		MH170-5X	195	37	
MH6NT08X(1)3(2)	OPP	138	M6300		MH170-5X	180	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR33

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt Opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .6070 (15.4200MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .8820 (22.4000MM)
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(.49)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	58	M8062 M8093		MH8170-190X	255	49	
MH8NE08X(1)1(2)	OPP	70	M8062 M8093		MH8170-190X	230	44	
MH8NJ08X(1)1(2)	OPP	76	M8062 M8093		MH8170-190X	230	44	
MH8NO08X(1)1(2)	OPP	100	M8062 M8093		MH8170-190X	205	39	
MH8NR08X(1)1(2)	OPP	109	M8062 M8093		MH8170-190X	205	39	
MH8NS08X(1)1(2)	OPP	119	M8062 M8093		MH8170-190X	195	37	
MH8NT08X(1)1(2)	OPP	131	M8062 M8093		MH8170-190X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	58	M6200		MH170-4X	255	49	
MH6NE08X(1)3(2)	OPP	70	M6200		MH170-4X	230	44	
MH6NJ08X(1)3(2)	OPP	76	M6200		MH170-4X	230	44	
MH6NO08X(1)3(2)	OPP	100	M6200		MH170-4X	205	39	
MH6NR08X(1)3(2)	OPP	109	M6200		MH170-4X	205	39	
MH6NS08X(1)3(2)	OPP	119	M6200		MH170-4X	195	37	
MH6NT08X(1)3(2)	OPP	131	M6200		MH170-4X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR34

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt Opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .2840 (7.2100MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .5600 (14.2200MM)
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(.49)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	64	M8375 M8093		MH8170-192X	255	49	
MH8NE08X(1)1(2)	OPP	77	M8375 M8093		MH8170-192X	230	44	
MH8NJ08X(1)1(2)	OPP	84	M8375 M8093		MH8170-192X	230	44	
MH8NO08X(1)1(2)	OPP	110	M8375 M8093		MH8170-192X	205	39	
MH8NR08X(1)1(2)	OPP	120	M8375 M8093		MH8170-192X	205	39	
MH8NS08X(1)1(2)	OPP	132	M8375 M8093		MH8170-192X	195	37	
MH8NT08X(1)1(2)	OPP	145	M8375 M8093		MH8170-192X	180	34	

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	64	M6500		MH170-7X	255	49	
MH6NE08X(1)3(2)	OPP	77	M6500		MH170-7X	230	44	
MH6NJ08X(1)3(2)	OPP	84	M6500		MH170-7X	230	44	
MH6NO08X(1)3(2)	OPP	110	M6500		MH170-7X	205	39	
MH6NR08X(1)3(2)	OPP	120	M6500		MH170-7X	205	39	
MH6NS08X(1)3(2)	OPP	132	M6500		MH170-7X	195	37	
MH6NT08X(1)3(2)	OPP	145	M6500		MH170-7X	180	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR35

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt Opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .2840 (7.2100MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .5600 (14.2200MM)
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(.534)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NC08X(1)1(2)	OPP	70	M8375 M8093		MH8170-192X	255	49	
MH8NE08X(1)1(2)	OPP	84	M8375 M8093		MH8170-192X	230	44	
MH8NJ08X(1)1(2)	OPP	91	M8375 M8093		MH8170-192X	230	44	
MH8NO08X(1)1(2)	OPP	120	M8375 M8093		MH8170-192X	205	39	
MH8NR08X(1)1(2)	OPP	131	M8375 M8093		MH8170-192X	205	39	
MH8NS08X(1)1(2)	OPP	144	M8375 M8093		MH8170-192X	195	37	
MH8NT08X(1)1(2)	OPP	158	M8375 M8093		MH8170-192X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC08X(1)3(2)	OPP	70	M6562		MH170-7X	255	49	
MH6NE08X(1)3(2)	OPP	84	M6562		MH170-7X	230	44	
MH6NJ08X(1)3(2)	OPP	91	M6562		MH170-7X	230	44	
MH6NO08X(1)3(2)	OPP	120	M6562		MH170-7X	205	39	
MH6NR08X(1)3(2)	OPP	131	M6562		MH170-7X	205	39	
MH6NS08X(1)3(2)	OPP	144	M6562		MH170-7X	195	37	
MH6NT08X(1)3(2)	OPP	158	M6562		MH170-7X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR36

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 50 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0540 (26.7700MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 50 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9000" (22.8600MM)
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(.424)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	53	M6140		MH170-3X	255	49	
MH6NC01X(1)1(2)	OPP	70	M6140		MH170-3X	255	49	
MH6NE01X(1)1(2)	OPP	84	M6140		MH170-3X	230	44	
MH6NJ01X(1)1(2)	OPP	92	M6140		MH170-3X	230	44	
MH6NO01X(1)1(2)	OPP	120	M6140		MH170-3X	205	39	
MH6NR01X(1)1(2)	OPP	132	M6140		MH170-3X	205	39	
MH6NS01X(1)1(2)	OPP	145	M6140		MH170-3X	195	37	
MH6NT01X(1)1(2)	OPP	159	M6140		MH170-3X	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	48			INCLUDED	255	49	
MH8NB01X(1)1(2)	OPP	53			INCLUDED	255	49	
MH8NC01X(1)1(2)	OPP	70			INCLUDED	255	49	
MH8NE01X(1)1(2)	OPP	84			INCLUDED	230	44	
MH8NJ01X(1)1(2)	OPP	92			INCLUDED	230	44	
MH8NO01X(1)1(2)	OPP	120			INCLUDED	205	39	
MH8NR01X(1)1(2)	OPP	132			INCLUDED	205	39	
MH8NS01X(1)1(2)	OPP	145			INCLUDED	195	37	
MH8NT01X(1)1(2)	OPP	159			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	55				505	95	
MHD8XC01X(3)3(4)	OPP	68				505	95	
MHD8XE01X(3)3(4)	OPP	83				505	95	
MHD8XJ01X(3)3(4)	OPP	101				405	95	
MHD8XO01(3)3(4)	OPP	122				355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR37

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 32 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1010 (27.9654MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 32 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1010 (27.9654MM)	(.48)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC33X(1)1(2)	OPP	53			INCLUDED	255	49	3
MH6SE33X(1)1(2)	OPP	64			INCLUDED	230	44	3
MH6SJ33X(1)1(2)	OPP	70			INCLUDED	230	44	3
MH6SO33X(1)1(2)	OPP	91			INCLUDED	205	39	3
MH6SR33X(1)1(2)	OPP	100			INCLUDED	205	39	3
MH6SS33X(1)1(2)	OPP	110			INCLUDED	195	37	3
MH6ST33X(1)1(2)	OPP	120			INCLUDED	180	34	3

<b>LEFT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC33X(1)3(2)	OPP	53			INCLUDED	255	49	3
MH6SE33X(1)3(2)	OPP	64			INCLUDED	230	44	3
MH6SJ33X(1)3(2)	OPP	70			INCLUDED	230	44	3
MH6SO33X(1)3(2)	OPP	91			INCLUDED	205	39	3
MH6SR33X(1)3(2)	OPP	100			INCLUDED	205	39	3
MH6SS33X(1)3(2)	OPP	110			INCLUDED	195	37	3
MH6ST33X(1)3(2)	OPP	120			INCLUDED	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |  |  |
|--|--|
| (1) Pick Shifting Option   | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)  |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) |
| (3) The ES-43-5A, ES52-5A, ES53-5A transmission has two six bolt openings on the left side. The front opening is the P.T.O. opening. |  |

## XII. PTO APPLICATION



Spicer / TTC

SPR38

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 34 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9220 (23.4188MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 34 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9220 (23.4188MM)
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(.48)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC33X(1)1(2)	OPP	57	M6125		MH170-3X	255	49	3
MH6NE33X(1)1(2)	OPP	68	M6125		MH170-3X	230	44	3
MH6NJ33X(1)1(2)	OPP	74	M6125		MH170-3X	230	44	3
MH6NO33X(1)1(2)	OPP	97	M6125		MH170-3X	205	39	3
MH6NR33X(1)1(2)	OPP	106	M6125		MH170-3X	205	39	3
MH6NS33X(1)1(2)	OPP	117	M6125		MH170-3X	195	37	3
MH6NT33X(1)1(2)	OPP	128	M6125		MH170-3X	180	34	3

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC33X(1)3(2)	OPP	57	M6125		MH170-3X	255	49	3
MH6NE33X(1)3(2)	OPP	68	M6125		MH170-3X	230	44	3
MH6NJ33X(1)3(2)	OPP	74	M6125		MH170-3X	230	44	3
MH6NO33X(1)3(2)	OPP	97	M6125		MH170-3X	205	39	3
MH6NR33X(1)3(2)	OPP	106	M6125		MH170-3X	205	39	3
MH6NS33X(1)3(2)	OPP	117	M6125		MH170-3X	195	37	3
MH6NT33X(1)3(2)	OPP	128	M6125		MH170-3X	180	34	3

#### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- (3) The ES-43-5A, ES52-5A, ES53-5A transmission has two six bolt openings on the left side. The front opening is the P.T.O. opening.

## XII. PTO APPLICATION



Spicer / TTC

SPR39

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.6360 (41.5544MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8 - Bolt Opening - Gear Forward of Centerline 43 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.4790 (37.5666MM)
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(.50)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	ENG	54	M61468(T)	MAD530-1X	MH170-26X	255	49	
MH6NC01X(1)1(2)	ENG	71	M61468(T)	MAD530-1X	MH170-26X	255	49	
MH6NE01X(1)1(2)	ENG	86	M61468(T)	MAD530-1X	MH170-26X	230	44	
MH6NJ01X(1)1(2)	ENG	93	M61468(T)	MAD530-1X	MH170-26X	230	44	
MH6NO01X(1)1(2)	ENG	122	M61468(T)	MAD530-1X	MH170-26X	205	39	
MH6NR01X(1)1(2)	ENG	134	M61468(T)	MAD530-1X	MH170-26X	205	39	
MH6NS01X(1)1(2)	ENG	147	M61468(T)	MAD530-1X	MH170-26X	195	37	
MH6NT01X(1)1(2)	ENG	161	M61468(T)	MAD530-1X	MH170-26X	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8ZB01X(3)3(4)	OPP	56	M8295		MH8170-17X	505	95	
MHD8ZC01X(3)3(4)	OPP	69	M8295		MH8170-17X	505	95	
MHD8ZE01X(3)3(4)	OPP	84	M8295		MH8170-17X	505	95	
MHD8ZJ01X(3)3(4)	OPP	103	M8295		MH8170-17X	405	95	
MHD8ZO01(3)3(4)	OPP	124	M8295		MH8170-17X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)
- (T) Means Transmission side



## XII. PTO APPLICATION



Spicer / TTC

SPR40

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750 (27.3050MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8 - Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7300" (18.5420MM)
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(.615)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)2(2)	OPP	69			INCLUDED	255	49	
MH6SC01X(1)2(2)	OPP	92			INCLUDED	255	49	
MH6SE01X(1)2(2)	OPP	110			INCLUDED	230	44	
MH6SJ01X(1)2(2)	OPP	120			INCLUDED	230	44	
MH6SO01X(1)2(2)	OPP	157			INCLUDED	205	39	
MH6SR01X(1)2(2)	OPP	172			INCLUDED	205	39	
MH6SS01X(1)2(2)	OPP	189			INCLUDED	195	37	
MH6ST01X(1)2(2)	OPP	207			INCLUDED	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	63			INCLUDED	255	49	
MH8B01X(1)3(2)	OPP	69			INCLUDED	255	49	
MH8SC01X(1)3(2)	OPP	92			INCLUDED	255	49	
MH8SE01X(1)3(2)	OPP	110			INCLUDED	230	44	
MH8SJ01X(1)3(2)	OPP	120			INCLUDED	230	44	
MH8SO01X(1)3(2)	OPP	157			INCLUDED	205	39	
MH8SR01X(1)3(2)	OPP	172			INCLUDED	205	39	
MH8SS01X(1)3(2)	OPP	189			INCLUDED	195	37	
MH8ST01X(1)3(2)	OPP	207			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	72				505	95	
MHD8XC01X(3)3(4)	OPP	89				505	95	
MHD8XE01X(3)3(4)	OPP	109				505	95	
MHD8XJ01X(3)3(4)	OPP	132				405	95	
MHD8XO01X(3)3(4)	OPP	160				355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Spicer / TTC

SPR41

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750 (27.3050MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8 - Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7300" (18.5420MM)
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(.826)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)2(2)	OPP	93			INCLUDED	255	49	
MH6SC01X(1)2(2)	OPP	123			INCLUDED	255	49	
MH6SE01X(1)2(2)	OPP	148			INCLUDED	230	44	
MH6SJ01X(1)2(2)	OPP	162			INCLUDED	230	44	
MH6SO01X(1)2(2)	OPP	211			INCLUDED	205	39	
MH6SR01X(1)2(2)	OPP	231			INCLUDED	205	39	
MH6SS01X(1)2(2)	OPP	253			INCLUDED	195	37	
MH6ST01X(1)2(2)	OPP	278			INCLUDED	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	84			INCLUDED	255	49	
MH8SB01X(1)3(2)	OPP	93			INCLUDED	255	49	
MH8SC01X(1)3(2)	OPP	123			INCLUDED	255	49	
MH8SE01X(1)3(2)	OPP	148			INCLUDED	230	44	
MH8SJ01X(1)3(2)	OPP	162			INCLUDED	230	44	
MH8SO01X(1)3(2)	OPP	211			INCLUDED	205	39	
MH8SR01X(1)3(2)	OPP	231			INCLUDED	205	39	
MH8SS01X(1)3(2)	OPP	253			INCLUDED	195	37	
MH8ST01X(1)3(2)	OPP	278			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	96				505	95	
MHD8XC01X(3)3(4)	OPP	120				505	95	
MHD8XE01X(3)3(4)	OPP	146				505	95	
MHD8XJ01X(3)3(4)	OPP	177				405	95	
MHD8XO01X(3)3(4)	OPP	215				355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Spicer / TTC

SPR42

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 34 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.4110 (35.8300MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 34 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.4110 (35.8300MM)
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(.66)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6MC34X(1)1(2)	OPP	63			MH170-96X	255	49	
MH6ME33X(1)1(2)	OPP	76			MH170-96X	230	44	
MH6MJ34X(1)1(2)	OPP	83			MH170-96X	230	44	
MH6MO34X(1)1(2)	OPP	108			MH170-96X	205	39	
MH6MR34X(1)1(2)	OPP	118			MH170-96X	205	39	
MH6MS34X(1)1(2)	OPP	129			MH170-96X	195	37	
MH6MT34X(1)1(2)	OPP	142			MH170-96X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6MC34X(1)3(2)	OPP	63			MH170-96X	255	49	
MH6ME33X(1)3(2)	OPP	76			MH170-96X	230	44	
MH6MJ34X(1)3(2)	OPP	83			MH170-96X	230	44	
MH6MO34X(1)3(2)	OPP	108			MH170-96X	205	39	
MH6MR34X(1)3(2)	OPP	118			MH170-96X	205	39	
MH6MS34X(1)3(2)	OPP	129			MH170-96X	195	37	
MH6MT34X(1)3(2)	OPP	142			MH170-96X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR43

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 34 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.4110 (35.8300MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 34 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.4110 (35.8300MM)
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(.488)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DC34X(1)1(2)	OPP	47			INCLUDED	255	49	
MH6DE33X(1)1(2)	OPP	56			INCLUDED	230	44	
MH6DJ34X(1)1(2)	OPP	61			INCLUDED	230	44	
MH6DO34X(1)1(2)	OPP	80			INCLUDED	205	39	
MH6DR34X(1)1(2)	OPP	87			INCLUDED	205	39	
MH6DS34X(1)1(2)	OPP	96			INCLUDED	195	37	
MH6DT34X(1)1(2)	OPP	105			INCLUDED	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DC34X(1)3(2)	OPP	47			INCLUDED	255	49	
MH6DE33X(1)3(2)	OPP	56			INCLUDED	230	44	
MH6DJ34X(1)3(2)	OPP	61			INCLUDED	230	44	
MH6DO34X(1)3(2)	OPP	80			INCLUDED	205	39	
MH6DR34X(1)3(2)	OPP	87			INCLUDED	205	39	
MH6DS34X(1)3(2)	OPP	96			INCLUDED	195	37	
MH6DT34X(1)3(2)	OPP	105			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |  |
|--------------------------|--|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)  |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) |

## XII. PTO APPLICATION



Spicer / TTC

SPR44

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750 (27.3050MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7300 (18.5420MM)
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(.85)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)2(2)	OPP	96			INCLUDED	255	49	
MH6SC01X(1)2(2)	OPP	127			INCLUDED	255	49	
MH6SE01X(1)2(2)	OPP	152			INCLUDED	230	44	
MH6SJ01X(1)2(2)	OPP	166			INCLUDED	230	44	
MH6SO01X(1)2(2)	OPP	217			INCLUDED	205	39	
MH6SR01X(1)2(2)	OPP	238			INCLUDED	205	39	
MH6SS01X(1)2(2)	OPP	261			INCLUDED	195	37	
MH6ST01X(1)2(2)	OPP	286			INCLUDED	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	87			INCLUDED	255	49	
MH8SB01X(1)3(2)	OPP	96			INCLUDED	230	44	
MH8SC01X(1)3(2)	OPP	127			INCLUDED	255	49	
MH8SE01X(1)3(2)	OPP	152			INCLUDED	230	44	
MH8SJ01X(1)3(2)	OPP	166			INCLUDED	230	44	
MH8SO01X(1)3(2)	OPP	217			INCLUDED	205	39	
MH8SR01X(1)3(2)	OPP	238			INCLUDED	205	39	
MH8SS01X(1)3(2)	OPP	261			INCLUDED	195	37	
MH8ST01X(1)3(2)	OPP	286			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	99				505	95	
MHD8XC01X(3)3(4)	OPP	123				505	95	
MHD8XE01X(3)3(4)	OPP	150				505	95	
MHD8XJ01X(3)3(4)	OPP	183				405	95	
MHD8XO01X(3)3(4)	OPP	221				355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR45

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7210 (18.3134MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5600 (14.3761MM)
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(.571)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	77	M6300		MH170-5X	255	49	
MH6NC01X(1)1(2)	OPP	102	M6300		MH170-5X	255	49	
MH6NE01X(1)1(2)	OPP	123	M6300		MH170-5X	230	44	
MH6NJ01X(1)1(2)	OPP	134	M6300		MH170-5X	230	44	
MH6NO01X(1)1(2)	OPP	175	M6300		MH170-5X	205	39	
MH6NR01X(1)1(2)	OPP	192	M6300		MH170-5X	205	39	
MH6NS01X(1)1(2)	OPP	210	M6300		MH170-5X	195	37	
MH6NT01X(1)1(2)	OPP	231	M6300		MH170-5X	180	34	

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB01X(1)3(2)	OPP	77	M8062/M8093		MH8170-8X	255	49	
MH8NC01X(1)3(2)	OPP	102	M8062/M8093		MH8170-8X	255	49	
MH8NE01X(1)3(2)	OPP	123	M8062/M8093		MH8170-8X	230	44	
MH8NJ01X(1)3(2)	OPP	134	M8062/M8093		MH8170-8X	230	44	
MH8NO01X(1)3(2)	OPP	175	M8062/M8093		MH8170-8X	205	39	
MH8NR01X(1)3(2)	OPP	192	M8062/M8093		MH8170-8X	205	39	
MH8NS01X(1)3(2)	OPP	210	M8062/M8093		MH8170-8X	195	37	
MH8NT01X(1)3(2)	OPP	231	M8062/M8093		MH8170-8X	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	80	M8165		MH8170-14X	505	95	
MHD8XC01X(3)3(4)	OPP	100	M8165		MH8170-14X	505	95	
MHD8XE01X(3)3(4)	OPP	121	M8165		MH8170-14X	505	95	
MHD8XJ01X(3)3(4)	OPP	147	M8165		MH8170-14X	405	95	
MHD8XO01X(3)3(4)	OPP	178	M8165		MH8170-14X	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Pick Shifting Option (A=AIR) (N=AIR/NO CONTROLLER)
- (4) Pick Output Option (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)

## XII. PTO APPLICATION



Spicer / TTC

SPR46

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5550 (14.0970MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .4010 (10.1854MM)
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(.52)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	73	M6450		MH170-5X	255	49	5
MH6NC01X(1)1(2)	OPP	97	M6450		MH170-5X	255	49	5
MH6NE01X(1)1(2)	OPP	116	M6450		MH170-5X	230	44	5
MH6NJ01X(1)1(2)	OPP	127	M6450		MH170-5X	230	44	5
MH6NO01X(1)1(2)	OPP	165	M6450		MH170-5X	205	39	5
MH6NR01X(1)1(2)	OPP	181	M6450		MH170-5X	205	39	5
MH6NS01X(1)1(2)	OPP	199	M6450		MH170-5X	195	37	5
MH6NT01X(1)1(2)	OPP	218	M6450		MH170-5X	180	34	5

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB01X(1)1(2)	OPP	73	M8248/M8093		MH8170-129X	255	49	5
MH8NC01X(1)1(2)	OPP	97	M8248/M8093		MH8170-129X	255	49	5
MH8NE01X(1)1(2)	OPP	116	M8248/M8093		MH8170-129X	230	44	5
MH8NJ01X(1)1(2)	OPP	127	M8248/M8093		MH8170-129X	230	44	5
MH8NO01X(1)1(2)	OPP	165	M8248/M8093		MH8170-129X	205	39	5
MH8NR01X(1)1(2)	OPP	181	M8248/M8093		MH8170-129X	205	39	5
MH8NS01X(1)1(2)	OPP	199	M8248/M8093		MH8170-129X	195	37	5
MH8NT01X(1)1(2)	OPP	218	M8248/M8093		MH8170-129X	180	34	5

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	75	M8295/ M8032(T)		MH8170-129X	505	95	5
MHD8XC01X(3)3(4)	OPP	94	M8295/ M8032(T)		MH8170-129X	505	95	5
MHD8XE01X(3)3(4)	OPP	114	M8295/ M8032(T)		MH8170-129X	505	95	5
MHD8XJ01X(3)3(4)	OPP	139	M8295/ M8032(T)		MH8170-129X	405	95	5
MHD8XO01X(3)3(4)	OPP	168	M8295/ M8032(T)		MH8170-129X	355	95	5

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) ( IC=1410 Spicer Flange)
(5) All speeds shown with high head set gear ratio. For low speed ratio head set gear ratio multiply speeds by .80	

## XII. PTO APPLICATION



Spicer / TTC

SPR47

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750 (27.3050MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7300 (18.5420MM)	(.667)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)2(2)	OPP	75			INCLUDED	255	49	
MH6SC01X(1)2(2)	OPP	100			INCLUDED	255	49	
MH6SE01X(1)2(2)	OPP	119			INCLUDED	230	44	
MH6SJ01X(1)2(2)	OPP	130			INCLUDED	230	44	
MH6SO01X(1)2(2)	OPP	171			INCLUDED	205	39	
MH6SR01X(1)2(2)	OPP	187			INCLUDED	205	39	
MH6SS01X(1)2(2)	OPP	205			INCLUDED	195	37	
MH6ST01X(1)2(2)	OPP	225			INCLUDED	180	34	

LEFT SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SB01X(1)3(2)	OPP	75			INCLUDED	230	44	
MH8SC01X(1)3(2)	OPP	100			INCLUDED	255	49	
MH8SE01X(1)3(2)	OPP	119			INCLUDED	230	44	
MH8SJ01X(1)3(2)	OPP	130			INCLUDED	230	44	
MH8SO01X(1)3(2)	OPP	171			INCLUDED	205	39	
MH8SR01X(1)3(2)	OPP	187			INCLUDED	205	39	
MH8SS01X(1)3(2)	OPP	205			INCLUDED	195	37	
MH8ST01X(1)3(2)	OPP	225			INCLUDED	180	34	
8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY								
MHD8XB01X(3)3(4)	OPP	78			INCLUDED	505	95	
MHD8XC01X(3)3(4)	OPP	97			INCLUDED	505	95	
MHD8XE01X(3)3(4)	OPP	118			INCLUDED	505	95	
MHD8XJ01X(3)3(4)	OPP	143			INCLUDED	405	95	
MHD8XO01X(3)3(4)	OPP	173			INCLUDED	355	95	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Pick Shifting Option	(A=AIR) (N=AIR/NO CONTROLLER)
(4) Pick Output Option	(RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)



## XII. PTO APPLICATION



Spicer / TTC

SPR48

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750 (27.3050MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7300 (17.8550MM)
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(.605)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)2(2)	OPP	68			INCLUDED	255	49	
MH6SC01X(1)2(2)	OPP	90			INCLUDED	255	49	
MH6SE01X(1)2(2)	OPP	108			INCLUDED	230	44	
MH6SJ01X(1)2(2)	OPP	118			INCLUDED	230	44	
MH6SO01X(1)2(2)	OPP	155			INCLUDED	205	39	
MH6SR01X(1)2(2)	OPP	169			INCLUDED	205	39	
MH6SS01X(1)2(2)	OPP	186			INCLUDED	195	37	
MH6ST01X(1)2(2)	OPP	204			INCLUDED	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	68			INCLUDED	230	44	
MH8SB01X(1)3(2)	OPP	90			INCLUDED	230	44	
MH8SC01X(1)3(2)	OPP	108			INCLUDED	255	49	
MH8SE01X(1)3(2)	OPP	118			INCLUDED	230	44	
MH8SJ01X(1)3(2)	OPP	155			INCLUDED	230	44	
MH8SO01X(1)3(2)	OPP	169			INCLUDED	205	39	
MH8SR01X(1)3(2)	OPP	186			INCLUDED	205	39	
MH8SS01X(1)3(2)	OPP	204			INCLUDED	195	37	
MH8ST01X(1)3(2)	OPP	200			INCLUDED	180	34	

#### 8 BOLT - ONE SPEED - TWO GEAR - HEAVY DUTY

MHD8XB01X(3)3(4)	OPP	71			INCLUDED	505	95	
MHD8XC01X(3)3(4)	OPP	88			INCLUDED	505	95	
MHD8XE01X(3)3(4)	OPP	107			INCLUDED	505	95	
MHD8XJ01X(3)3(4)	OPP	130			INCLUDED	405	95	
MHD8XO01X(3)3(4)	OPP	157			INCLUDED	355	95	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- |                          |   |
|--------------------------|---|
| (1) Pick Shifting Option | (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)<br>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)   |
| (2) Pick Output Option   | (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)<br>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)<br>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH) |
| (3) Pick Shifting Option | (A=AIR) (N=AIR/NO CONTROLLER)   |
| (4) Pick Output Option   | (RJ=1/1/4-14Spline "C" Flange) (SE=1 1/4 Round Shaft) (IC=1410 Spicer Flange)   |

## XII. PTO APPLICATION



Spicer / TTC

SPR49

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 57 TEETH - SPUR PITCH LINE TO APERTURE FACE: .4710 (11.9634MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 57 TEETH - SPUR PITCH LINE TO APERTURE FACE: .3160 (8.0264MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

<b>RIGHT SIDE</b>								
<b>6 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	65	M6450		MH170-5X	255	49	
MH6NC01X(1)1(2)	OPP	80	M6450		MH170-5X	255	49	
MH6NE01X(1)1(2)	OPP	86	M6450		MH170-5X	230	44	
MH6NJ01X(1)1(2)	OPP	100	M6450		MH170-5X	230	44	
MH6NO01X(1)1(2)	OPP	123	M6450		MH170-5X	205	39	
MH6NR01X(1)1(2)	OPP	137	M6450		MH170-5X	205	39	
MH6NS01X(1)1(2)	OPP	152	M6450		MH170-5X	195	37	
MH6NT01X(1)1(2)	OPP	157	M6450		MH170-5X	180	34	

<b>BOTTOM SIDE</b>								
<b>8 BOLT - ONE SPEED - TWO GEAR</b>								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB01X(1)1(2)	OPP	65	M8248 M8093		MH8170-129X	255	49	
MH8NC01X(1)1(2)	OPP	80	M8248 M8093		MH8170-129X	255	49	
MH8NE01X(1)1(2)	OPP	86	M8248 M8093		MH8170-129X	230	44	
MH8NJ01X(1)1(2)	OPP	100	M8248 M8093		MH8170-129X	230	44	
MH8NO01X(1)1(2)	OPP	123	M8248 M8093		MH8170-129X	205	39	
MH8NR01X(1)1(2)	OPP	137	M8248 M8093		MH8170-129X	205	39	
MH8NS01X(1)1(2)	OPP	152	M8248 M8093		MH8170-129X	195	37	
MH8NT01X(1)1(2)	OPP	157	M8248 M8093		MH8170-129X	180	34	

**FOOTNOTES: MAY AFFECT PTO SELECTION**

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF=A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

SPR50

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Rear of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: 1.0750 (27.3050MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 8- Bolt Opening - Gear Forward of Centerline 45 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7300 (17.8550MM)
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(.885)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SB01X(1)2(2)	OPP	100			INCLUDED	255	49	
MH6SC01X(1)2(2)	OPP	132			INCLUDED	255	49	
MH6SE01X(1)2(2)	OPP	158			INCLUDED	230	44	
MH6SJ01X(1)2(2)	OPP	173			INCLUDED	230	44	
MH6SO01X(1)2(2)	OPP	226			INCLUDED	205	39	
MH6SR01X(1)2(2)	OPP	248			INCLUDED	205	39	
MH6SS01X(1)2(2)	OPP	272			INCLUDED	195	37	
MH6ST01X(1)2(2)	OPP	298			INCLUDED	180	34	

### LEFT SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8SA01X(1)3(2)	OPP	91			INCLUDED	230	44	
MH8SB01X(1)3(2)	OPP	100			INCLUDED	230	44	
MH8SC01X(1)3(2)	OPP	132			INCLUDED	255	49	
MH8SE01X(1)3(2)	OPP	158			INCLUDED	230	44	
MH8SJ01X(1)3(2)	OPP	173			INCLUDED	230	44	
MH8SO01X(1)3(2)	OPP	226			INCLUDED	205	39	
MH8SR01X(1)3(2)	OPP	248			INCLUDED	205	39	
MH8SS01X(1)3(2)	OPP	272			INCLUDED	195	37	
MH8ST01X(1)3(2)	OPP	298			INCLUDED	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

TSP1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5530 (14.0462MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .3980 (10.1092MM)
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(.52)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	73	M6450		MH170-6X	255	49	3
MH6NC01X(1)1(2)	OPP	97	M6450		MH170-6X	255	49	3
MH6NE01X(1)1(2)	OPP	116	M6450		MH170-6X	230	44	3
MH6NJ01X(1)1(2)	OPP	127	M6450		MH170-6X	230	44	3
MH6NO01X(1)1(2)	OPP	165	M6450		MH170-6X	205	39	3
MH6NR01X(1)1(2)	OPP	181	M6450		MH170-6X	205	39	3
MH6NS01X(1)1(2)	OPP	199	M6450		MH170-6X	195	37	3
MH6NT01X(1)1(2)	OPP	218	M6450		MH170-6X	180	34	3

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB01X(1)3(2)	OPP	73	M8248 M8062		MH8170-15X	255	49	3
MH8NC01X(1)3(2)	OPP	97	M8248 M8062		MH8170-15X	255	49	3
MH8NE01X(1)3(2)	OPP	116	M8248 M8062		MH8170-15X	230	44	3
MH8NJ01X(1)3(2)	OPP	127	M8248 M8062		MH8170-15X	230	44	3
MH8NO01X(1)3(2)	OPP	165	M8248 M8062		MH8170-15X	205	39	3
MH8NR01X(1)3(2)	OPP	181	M8248 M8062		MH8170-15X	205	39	3
MH8NS01X(1)3(2)	OPP	199	M8248 M8062		MH8170-15X	195	37	3
MH8NT01X(1)3(2)	OPP	218	M8248 M8062		MH8170-15X	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
(3) All P.T.O. speeds are shown with the transmission in high range. Multiply the speeds shown by .71 with the transmission in high range.	

## XII. PTO APPLICATION



Spicer / TTC

TSP2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .9710 (24.6634MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 51 TEETH - SPUR PITCH LINE TO APERTURE FACE: .8160 (20.7264MM)
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(.549)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	70	M6187		MH170-3X	255	49	3
MH6NC01X(1)1(2)	OPP	93	M6187		MH170-3X	255	49	3
MH6NE01X(1)1(2)	OPP	111	M6187		MH170-3X	230	44	3
MH6NJ01X(1)1(2)	OPP	122	M6187		MH170-3X	230	44	3
MH6NO01X(1)1(2)	OPP	159	M6187		MH170-3X	205	39	3
MH6NR01X(1)1(2)	OPP	171	M6187		MH170-3X	205	39	3
MH6NS01X(1)1(2)	OPP	191	M6187		MH170-3X	195	37	3
MH6NT01X(1)1(2)	OPP	210	M6187		MH170-3X	180	34	3

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)1(2)	OPP	47	M8062		MH8170-190X	230	44	3
MH8NB01X(1)1(2)	OPP	58	M8062		MH8170-190X	230	44	3
MH8NC01X(1)1(2)	OPP	72	M8062		MH8170-190X	255	49	3
MH8NE01X(1)1(2)	OPP	78	M8062		MH8170-190X	230	44	3
MH8NJ01X(1)1(2)	OPP	90	M8062		MH8170-190X	230	44	3
MH8NO01X(1)1(2)	OPP	112	M8062		MH8170-190X	205	39	3
MH8NR01X(1)1(2)	OPP	123	M8062		MH8170-190X	205	39	3
MH8NS01X(1)1(2)	OPP	135	M8062		MH8170-190X	195	37	3
MH8NT01X(1)1(2)	OPP	141	M8062		MH8170-190X	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- (3) All P.T.O. speeds are shown with the transmission in high range. Multiply the speeds shown by .71 with the transmission in high range.

## XII. PTO APPLICATION



Spicer / TTC

TSP3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .7210 (18.3134MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 54 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5660 (14.3764MM)
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(.571)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	77	M6300		MH170-5X	255	49	3
MH6NC01X(1)1(2)	OPP	102	M6300		MH170-5X	255	49	3
MH6NE01X(1)1(2)	OPP	123	M6300		MH170-5X	230	44	3
MH6NJ01X(1)1(2)	OPP	134	M6300		MH170-5X	230	44	3
MH6NO01X(1)1(2)	OPP	175	M6300		MH170-5X	205	39	3
MH6NR01X(1)1(2)	OPP	192	M6300		MH170-5X	205	39	3
MH6NS01X(1)1(2)	OPP	210	M6300		MH170-5X	195	37	3
MH6NT01X(1)1(2)	OPP	231	M6300		MH170-5X	180	34	3

### BOTTOM SIDE

#### 8 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NA01X(1)3(2)	OPP	70	M8062 M8093		MH8170-8X	255	49	3
MH8NB01X(1)3(2)	OPP	77	M8062 M8093		MH8170-8X	255	49	3
MH8NC01X(1)3(2)	OPP	102	M8062 M8093		MH8170-8X	255	49	3
MH8NE01X(1)3(2)	OPP	123	M8062 M8093		MH8170-8X	230	44	3
MH8NJ01X(1)3(2)	OPP	134	M8062 M8093		MH8170-8X	230	44	3
MH8NO01X(1)3(2)	OPP	175	M8062 M8093		MH8170-8X	205	39	3
MH8NR01X(1)3(2)	OPP	192	M8062 M8093		MH8170-8X	205	39	3
MH8NS01X(1)3(2)	OPP	210	M8062 M8093		MH8170-8X	195	37	3
MH8NT01X(1)3(2)	OPP	231	M8062 M8093		MH8170-8X	180	34	3

#### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
(3) All P.T.O. speeds are shown with the transmission in high range. Multiply the speeds shown by .71 with the transmission in high range.	

## XII. PTO APPLICATION



Spicer / TTC

TSP4

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 8- Bolt Opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .2840 (7.2136MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt Opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .5600 (14.2240MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB08X(1)1(2)	OPP	59	M8375 M8093		MH8170-192X	255	49	
MH8NC08X(1)1(2)	OPP	73	M8375 M8093		MH8170-192X	255	49	
MH8NE08X(1)1(2)	OPP	79	M8375 M8093		MH8170-192X	230	44	
MH8NJ08X(1)1(2)	OPP	92	M8375 M8093		MH8170-192X	230	44	
MH8NO08X(1)1(2)	OPP	114	M8375 M8093		MH8170-192X	205	39	
MH8NR08X(1)1(2)	OPP	125	M8375 M8093		MH8170-192X	205	39	
MH8NS08X(1)1(2)	OPP	140	M8375 M8093		MH8170-192X	195	37	
MH8NT08X(1)1(2)	OPP	145	M8375 M8093		MH8170-192X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB08X(1)3(2)	OPP	59	M6562		MH170-7X	255	49	
MH6NC08X(1)3(2)	OPP	73	M6562		MH170-7X	255	49	
MH6NE08X(1)3(2)	OPP	79	M6562		MH170-7X	230	44	
MH6NJ08X(1)3(2)	OPP	92	M6562		MH170-7X	230	44	
MH6NO08X(1)3(2)	OPP	114	M6562		MH170-7X	205	39	
MH6NR08X(1)3(2)	OPP	125	M6562		MH170-7X	205	39	
MH6NS08X(1)3(2)	OPP	140	M6562		MH170-7X	195	37	
MH6NT08X(1)3(2)	OPP	145	M6562		MH170-7X	180	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

## XII. PTO APPLICATION



Spicer / TTC

TSP5

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .5530 (14.0462MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 56 TEETH - SPUR PITCH LINE TO APERTURE FACE: .3980 (10.1092MM)
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(.583)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	68	M6450		MH170-6X	255	49	3
MH6NC01X(1)1(2)	OPP	87	M6450		MH170-6X	255	49	3
MH6NE01X(1)1(2)	OPP	94	M6450		MH170-6X	230	44	3
MH6NJ01X(1)1(2)	OPP	108	M6450		MH170-6X	230	44	3
MH6NO01X(1)1(2)	OPP	134	M6450		MH170-6X	205	39	3
MH6NR01X(1)1(2)	OPP	148	M6450		MH170-6X	205	39	3
MH6NS01X(1)1(2)	OPP	164	M6450		MH170-6X	195	37	3
MH6NT01X(1)1(2)	OPP	171	M6450		MH170-6X	180	34	3
BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB01X(1)3(2)	OPP	68	M8350		MH8170-15X	255	49	3
MH8NC01X(1)3(2)	OPP	87	M8248 M8062		MH8170-15X	255	49	3
MH8NE01X(1)3(2)	OPP	94	M8248 M8062		MH8170-15X	230	44	3
MH8NJ01X(1)3(2)	OPP	108	M8248 M8062		MH8170-15X	230	44	3
MH8NO01X(1)3(2)	OPP	134	M8248 M8062		MH8170-15X	205	39	3
MH8NR01X(1)3(2)	OPP	148	M8248 M8062		MH8170-15X	205	39	3
MH8NS01X(1)3(2)	OPP	164	M8248 M8062		MH8170-15X	195	37	3
MH8NT01X(1)3(2)	OPP	171	M8062		MH8170-15X	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- transmission splitter is in high, or the hand valve is in position 2 and 4.



## XII. PTO APPLICATION



Spicer / TTC

TSP6

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt Opening - Gear Forward of Centerline 57 TEETH - SPUR PITCH LINE TO APERTURE FACE: .4710 (11.9634MM)	<b>TRANSMISSION Gear Data: BOTTOM SIDE</b> BOTTOM 8- Bolt Opening - Gear Forward of Centerline 57 TEETH - SPUR PITCH LINE TO APERTURE FACE: .3160 (8.0264MM)
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(.50)

**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NB01X(1)1(2)	OPP	66	M6450		MH170-5X	255	49	3
MH6NC01X(1)1(2)	OPP	80	M6450		MH170-5X	255	49	3
MH6NE01X(1)1(2)	OPP	86	M6450		MH170-5X	230	44	3
MH6NJ01X(1)1(2)	OPP	100	M6450		MH170-5X	230	44	3
MH6NO01X(1)1(2)	OPP	115	M6450		MH170-5X	205	39	3
MH6NR01X(1)1(2)	OPP	136	M6450		MH170-5X	205	39	3
MH6NS01X(1)1(2)	OPP	152	M6450		MH170-5X	195	37	3
MH6NT01X(1)1(2)	OPP	157	M6450		MH170-5X	180	34	3

BOTTOM SIDE								
8 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH8NB01X(1)3(2)	OPP	66	M8248 M8093		MH8170-129X	255	49	3
MH8NC01X(1)3(2)	OPP	80	M8248 M8093		MH8170-129X	255	49	3
MH8NE01X(1)3(2)	OPP	86	M8248 M8093		MH8170-129X	230	44	3
MH8NJ01X(1)3(2)	OPP	100	M8248 M8093		MH8170-129X	230	44	3
MH8NO01X(1)3(2)	OPP	115	M8248 M8093		MH8170-129X	205	39	3
MH8NR01X(1)3(2)	OPP	136	M8248 M8093		MH8170-129X	205	39	3
MH8NS01X(1)3(2)	OPP	152	M8248 M8093		MH8170-129X	195	37	3
MH8NT01X(1)3(2)	OPP	157	M8248 M8093		MH8170-129X	180	34	3

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)
- (3) Speeds shown are with the transmission splitter in low with hand valve in 1 or 2 position. Multiply the speeds shown by 1.26 if the transmission splitter is in high, or the hand valve is in position 2 and 4.

### Tremec Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
TDET0880 (Same as TR-4050, Dodge Mexico)	N/A		32R
TDET1361 (Same as TR-4050, Chev/GMC)	N/A		32R
TDET1361 (Same as TR-4050, Ford Mexico)	N/A		32R
190F	N/A		36R&36L

## XII. PTO APPLICATION



Tremec

TTC1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	TRANSMISSION Gear Data: LEFT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

LEFT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Volvo Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
R51	N/A	8	
R52	N/A	8	
R61	N/A	8	
R62	N/A	8	
R63	N/A	8	
SR61	N/A	16	
SR62	N/A	16	
VT-1209	N/A	9	
VT-1214	N/A	14	

## XII. PTO APPLICATION



Volvo

VLV1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	<b>TRANSMISSION Gear Data: LEFT SIDE</b> R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### COUNTERSHAFT OPENING

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

#### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Warner Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
T-18	N/A	4	36L
T-18	N/A	4	36R&36L
T-19	N/A	4	36R&36L
T-98-1P (Right Hand Helix in PTO Driver)	N/A	4	36R&36L
T-98-1R (Right Hand Helix in PTO Driver)	N/A	4	36R&36L
T-98-1V (Right Hand Helix in PTO Driver)	N/A	4	36R&36L
T-98-1Z	N/A	4	36L
T-98-A Right Hand Helix in PTO Driver	N/A	4	36R&36L
T98A-1	N/A	4	36L
T98A-1B	N/A	4	36L
T98A-1C	N/A	4	36L

## XII. PTO APPLICATION



Warner

WRN1

TRANSMISSION Gear Data: RIGHT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:	TRANSMISSION Gear Data: LEFT SIDE R.H. 6- Bolt opening - Gear Rear of Centerline  PITCH LINE TO APERTURE FACE:
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

LEFT SIDE OPENING								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
						250	49	
						225	44	
						225	44	
						200	39	
						200	39	
						190	37	
						175	34	

### FOOTNOTES: MAY AFFECT PTO SELECTION

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)

### Zed-F Transmission Index

<b>TRANSMISSION MAKE and MODEL</b>	<b>P.T.O. APPL. NUMBER</b>	<b>No. FWD. SPEEDS</b>	<b>TEETH IN PTO DRIVER</b>
S5-42 (4.65/0.77 RATIO) ENGLAND	ZF-3	5	43R&43L
S5-42 (5.72/0.76 RATIO) NORTH AMERICA	ZF-1	5	45R&45L
S5-42 (6.56 Ratio)	N/A	5	44R&44L
S5-42 (7.5 Gas Wide Ratio)	N/A	5	45R&45L
S5-42 (7.55 Ratio)	N/A	5	47R&47L
S5-47 (DIESEL CLOSE RATIO 5.08 - .77)	ZF2	5	43R&43L
S5-47 (GAS WIDE RATIO 5.72 - .76)	ZF-1	5	45R&45L
S6-650 (FORD ONLY)	ZF-4	6	39L
S6-650 (GM 3600 CAB/CHASSIS)	ZF-5	6	39R&39L
S6-66 (9.06/0.83 Ratio) England	N/A	6	38R&38L
S6-66 (7.36 Ratio)	N/A	6	52R&52L
S6-66 (9.01 Ratio)	N/A	6	40R&40L
16S-109 (13.20/1.00 Ratio)England	N/A	16	22B
16S-109 (13.42/1.00 Ratio)England	N/A	16	22B
6S-750 (Ford Only Beginning with Model Year 05)	ZF-4	6	39L
6S-850 ZF-Ecolite, Synchronmesh (6.72/0.78 Ratio)	N/A	6	31R
9S-109 (10.25/0.79 Ratio)	N/A	9	22B



## XII. PTO APPLICATION



Zed-F

ZDF1

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1953" (30.3606MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1953" (30.3606MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC52X(1)1(2)	OPP	58	M6270		MH170-4X	255	49	
MH6NE52X(1)1(2)	OPP	63	M6270		MH170-4X	230	44	
MH6NJ52X(1)1(2)	OPP	73	M6270		MH170-4X	230	44	
MH6NO52X(1)1(2)	OPP	87	M6270		MH170-4X	205	39	
MH6NR52X(1)1(2)	OPP	103	M6270		MH170-4X	205	39	
MH6NS52X(1)1(2)	OPP	117	M6270		MH170-4X	195	37	
MH6NT52X(1)1(2)	OPP	121	M6270		MH170-4X	180	34	
MH6SC21X(1)1(2)	OPP	68			Included	255	49	
MH6SE21X(1)1(2)	OPP	74			Included	230	49	
MH6SJ21X(1)1(2)	OPP	85			Included	230	44	
MH6SO21X(1)1(2)	OPP	102			Included	205	44	
MH6SR21X(1)1(2)	OPP	121			Included	205	39	
MH6SS21X(1)1(2)	OPP	130			Included	195	39	
MH6ST21X(1)1(2)	OPP	142			Included	180	37	

### LEFT SIDE

6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC52X(1)3(2)	OPP	58	M6270		MH170-4X	255	49	3
MH6NE52X(1)3(2)	OPP	63	M6270		MH170-4X	230	44	3
MH6NJ52X(1)3(2)	OPP	73	M6270		MH170-4X	230	44	3
MH6NO52X(1)3(2)	OPP	87	M6270		MH170-4X	205	39	3
MH6NR52X(1)3(2)	OPP	103	M6270		MH170-4X	205	39	3
MH6NS52X(1)3(2)	OPP	117	M6270		MH170-4X	195	37	3
MH6NT52X(1)3(2)	OPP	121	M6270		MH170-4X	180	34	3
MH6SC21X(1)3(2)	OPP	68			Included	255	49	3
MH6SE21X(1)3(2)	OPP	74			Included	230	49	3
MH6SJ21X(1)3(2)	OPP	85			Included	230	44	3
MH6SO21X(1)3(2)	OPP	102			Included	205	44	3
MH6SR21X(1)3(2)	OPP	121			Included	205	39	3
MH6SS21X(1)3(2)	OPP	130			Included	195	39	3
MH6ST21X(1)3(2)	OPP	142			Included	180	37	3

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3) Gas tank may prohibit mounting pump on left hand side.	

## XII. PTO APPLICATION



Zed-F

ZDF2

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9800" (24.8920MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 45 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: .9800" (24.8920MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

### RIGHT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC52X(1)1(2)	OPP	63	M6165		MH170-3X	255	49	
MH6NE52X(1)1(2)	OPP	67	M6165		MH170-3X	230	44	
MH6NJ52X(1)1(2)	OPP	78	M6165		MH170-3X	230	44	
MH6NO52X(1)1(2)	OPP	93	M6165		MH170-3X	205	39	
MH6NR52X(1)1(2)	OPP	111	M6165		MH170-3X	205	39	
MH6NS52X(1)1(2)	OPP	123	M6165		MH170-3X	195	37	
MH6NT52X(1)1(2)	OPP	130	M6165		MH170-3X	180	34	
MH6DC21X(1)1(2)	OPP	73	M6093		MH8170-95X	255	49	
MH6DE21X(1)1(2)	OPP	79	M6093		MH8170-95X	230	49	
MH6DJ21X(1)1(2)	OPP	92	M6093		MH8170-95X	230	44	
MH6DO21X(1)1(2)	OPP	109	M6093		MH8170-95X	205	44	
MH6DR21X(1)1(2)	OPP	130	M6093		MH8170-95X	205	39	
MH6DS21X(1)1(2)	OPP	140	M6093		MH8170-95X	195	39	
MH6DT21X(1)1(2)	OPP	153	M6093		MH8170-95X	180	37	

### LEFT SIDE

#### 6 BOLT - ONE SPEED - TWO GEAR

PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6NC52X(1)3(2)	OPP	63	M6165		MH170-3X	255	49	
MH6NE52X(1)3(2)	OPP	67	M6165		MH170-3X	230	44	
MH6NJ52X(1)3(2)	OPP	78	M6165		MH170-3X	230	44	
MH6NO52X(1)3(2)	OPP	93	M6165		MH170-3X	205	39	
MH6NR52X(1)3(2)	OPP	111	M6165		MH170-3X	205	39	
MH6NS52X(1)3(2)	OPP	123	M6165		MH170-3X	195	37	
MH6NT52X(1)3(2)	OPP	130	M6165		MH170-3X	180	34	
MH6DC21X(1)3(2)	OPP	73	M6093		MH8170-95X	255	49	
MH6DE21X(1)3(2)	OPP	79	M6093		MH8170-95X	230	49	
MH6DJ21X(1)3(2)	OPP	92	M6093		MH8170-95X	230	44	
MH6DO21X(1)3(2)	OPP	109	M6093		MH8170-95X	205	44	
MH6DR21X(1)3(2)	OPP	130	M6093		MH8170-95X	205	39	
MH6DS21X(1)3(2)	OPP	140	M6093		MH8170-95X	195	39	
MH6DT21X(1)3(2)	OPP	153	M6093		MH8170-95X	180	37	

- (1) Pick Shifting Option (A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)  
 (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
- (2) Pick Output Option (RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)  
 (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)  
 (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
- (3) Gas tank may prohibit mounting pump on left hand side.

## XII. PTO APPLICATION



Zed-F

ZDF3

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.3110" (33.2994MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 43 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.3110" (33.2994MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DC52X(1)1(2)	OPP	63	M6032		MH170-78X	255	49	
MH6DE52X(1)1(2)	OPP	67	M6032		MH170-78X	230	44	
MH6DJ52X(1)1(2)	OPP	78	M6032		MH170-78X	230	44	
MH6DO52X(1)1(2)	OPP	93	M6032		MH170-78X	205	39	
MH6DR52X(1)1(2)	OPP	111	M6032		MH170-78X	205	39	
MH6DS52X(1)1(2)	OPP	121	M6032		MH170-78X	195	37	
MH6DT52X(1)1(2)	OPP	130	M6032		MH170-78X	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6DC52X(1)1(2)	OPP	63	M6032		MH170-78X	255	49	
MH6DE52X(1)1(2)	OPP	67	M6032		MH170-78X	230	44	
MH6DJ52X(1)1(2)	OPP	78	M6032		MH170-78X	230	44	
MH6DO52X(1)1(2)	OPP	93	M6032		MH170-78X	205	39	
MH6DR52X(1)1(2)	OPP	111	M6032		MH170-78X	205	39	
MH6DS52X(1)1(2)	OPP	121	M6032		MH170-78X	195	37	
MH6DT52X(1)1(2)	OPP	130	M6032		MH170-78X	180	34	

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3)	Gas tank may prohibit mounting pump on left hand side.

## XII. PTO APPLICATION



Zed-F

ZDF4

<p>TRANSMISSION Gear Data:</p> <p><b>NO APPLICATION</b></p>	<p>TRANSMISSION Gear Data: LEFT SIDE</p> <p>L.H. 6- Bolt opening - Gear Forward of Centerline</p> <p>43 TEETH - R.H. HELIX</p> <p>PITCH LINE TO APERTURE FACE:</p> <p>1.3110" (33.2994MM)</p>
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC50X(1)3(2)	OPP	65			INCLUDED	255	49	
MH6SE50X(1)3(2)	OPP	70			INCLUDED	230	44	
MH6SJ50X(1)3(2)	OPP	81			INCLUDED	230	44	
MH6SO50X(1)3(2)	OPP	96			INCLUDED	205	39	
MH6SR50X(1)3(2)	OPP	115			INCLUDED	205	39	
MH6SS50X(1)3(2)	OPP	121			INCLUDED	195	37	
MH6ST50X(1)3(2)	OPP	135			INCLUDED	180	34	

<p>(1) Pick Shifting Option</p> <p>(2) Pick Output Option</p> <p>(3) Gas tank may prohibit mounting pump on left hand side.</p>	<p>(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER)</p> <p>(S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)</p> <p>(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH)</p> <p>(SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH)</p> <p>(GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)</p>
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## XII. PTO APPLICATION



Zed-F

ZDF5

<b>TRANSMISSION Gear Data: RIGHT SIDE</b> R.H. 6- Bolt opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 0.9330" (0.0000MM)	<b>TRANSMISSION Gear Data: LEFT SIDE</b> L.H. 6- Bolt opening - Gear Forward of Centerline 39 TEETH - R.H. HELIX PITCH LINE TO APERTURE FACE: 0.9330" (0.0000MM)
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**CAUTION: MAXIMUM OUTPUT SHAFT SPEED 2500 RPM'S**

RIGHT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC50X(1)3(2)	OPP	65			INCLUDED	255	49	
MH6SE50X(1)3(2)	OPP	70			INCLUDED	230	44	
MH6SJ50X(1)3(2)	OPP	81			INCLUDED	230	44	
MH6SO50X(1)3(2)	OPP	96			INCLUDED	205	39	
MH6SR50X(1)3(2)	OPP	115			INCLUDED	205	39	
MH6SS50X(1)3(2)	OPP	121			INCLUDED	195	37	
MH6ST50X(1)3(2)	OPP	135			INCLUDED	180	34	

LEFT SIDE								
6 BOLT - ONE SPEED - TWO GEAR								
PTO MODEL	OUTPUT ROT.	ENGINE %	SPACER	GEAR ADAPTER	STUD KIT	INT. TORQUE	HP 1000 rpm	FOOT NOTES
MH6SC50X(1)3(2)	OPP	65			INCLUDED	255	49	
MH6SE50X(1)3(2)	OPP	70			INCLUDED	230	44	
MH6SJ50X(1)3(2)	OPP	81			INCLUDED	230	44	
MH6SO50X(1)3(2)	OPP	96			INCLUDED	205	39	
MH6SR50X(1)3(2)	OPP	115			INCLUDED	205	39	
MH6SS50X(1)3(2)	OPP	121			INCLUDED	195	37	
MH6ST50X(1)3(2)	OPP	135			INCLUDED	180	34	

(1) Pick Shifting Option	(A=AIR) (L=LEVER) (M=CONSTANT MESH) (N=AIR/NO CONTROLLER) (S=DUAL AIR/W KICKOUT) (T=DUAL AIR W/O KICKOUT) (W=WIRE)
(2) Pick Output Option	(RA=B 2/4 BOLT 7/8" 13 TOOTH) (RB=B 2/4 BOLT 1" 15 TOOTH) (SD=B 2 BOLT 7/8" 13 TOOTH) (SE=1.250 ROUND SHAFT) (SF= A 5/8" 2 BOLT 9 TOOTH) (TP=TYRONE PUMP 7/8" 13 TOOTH) (GA=GREASEABLE "B" 2/4 BOLT 7/8" 13 TOOTH) (GB=GREASEABLE "B" 2/4 BOLT 1" 15 TOOTH)
(3)	Gas tank may prohibit mounting pump on left hand side.