



A20

A30

SERIES

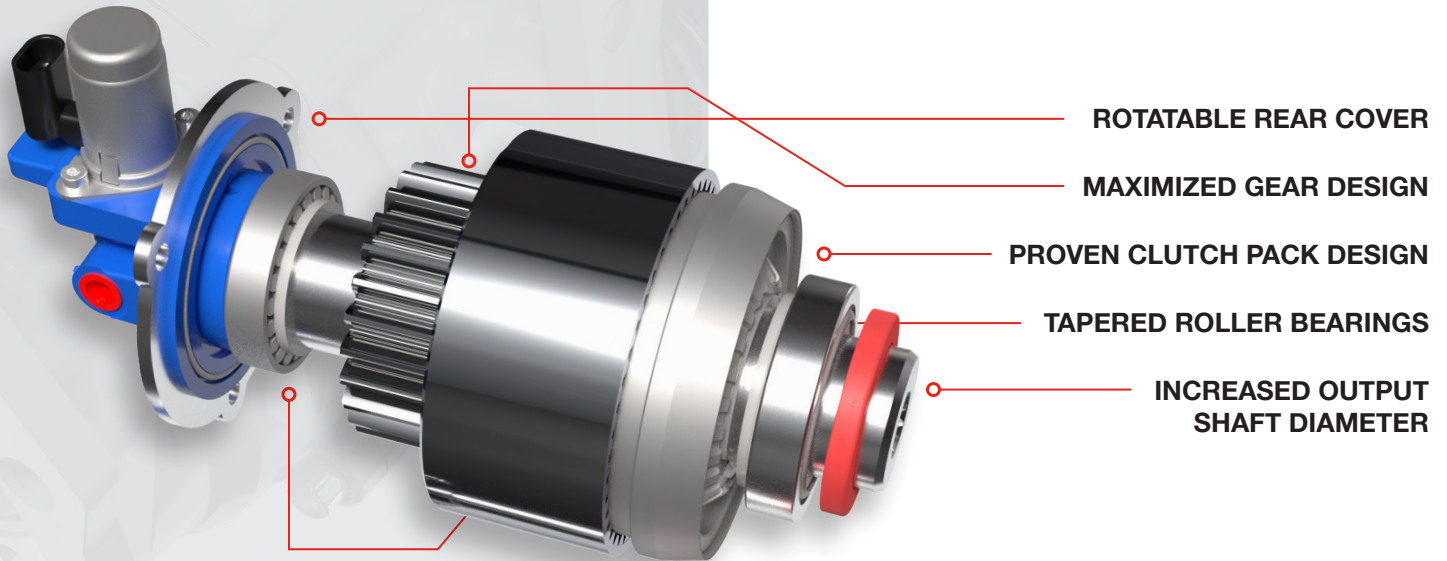
POWER TAKE-OFFS



DESIGNED FOR
ALLISON 3000 & 4000
SERIES TRANSMISSIONS

A20

SERIES INTERNALS

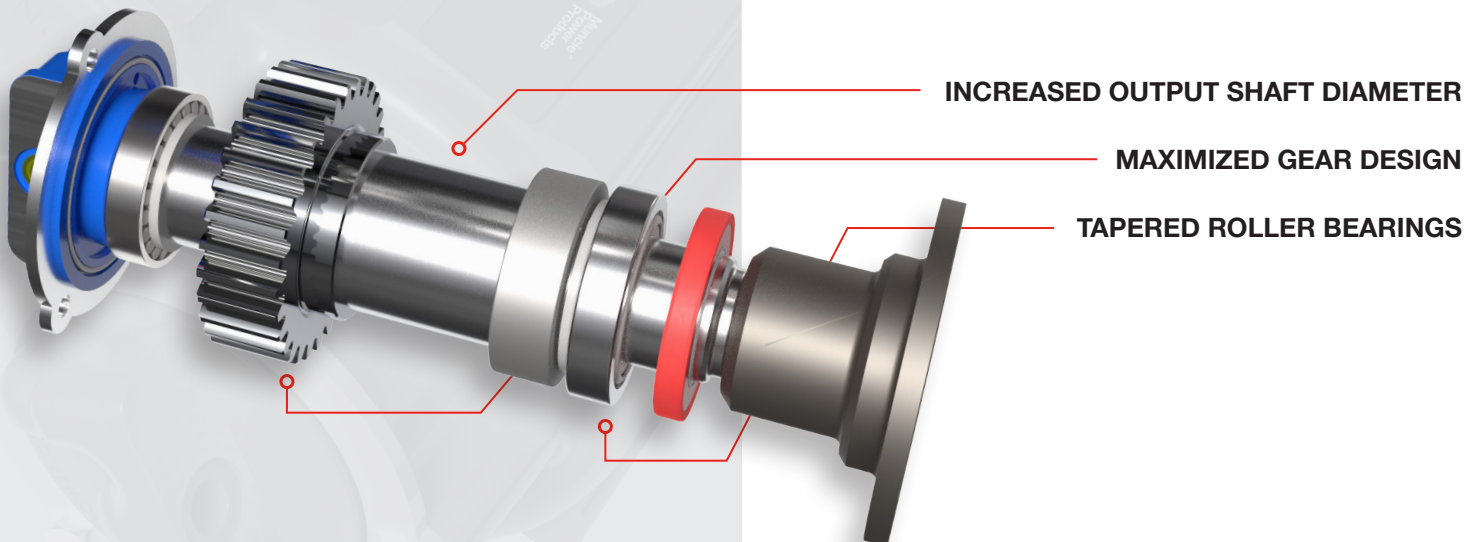


A20 SERIES

THE A20 IS A 10-BOLT MEDIUM-DUTY, CLUTCH SHIFT PTO rated for up to 415 lbs.ft. torque intermittent/continuous and features various product improvements allowing for easier installation and a more durable PTO for Allison 3000 and 4000 Series transmissions.

A30

SERIES INTERNALS



A30 SERIES

THE A30 IS A 10-BOLT MEDIUM-DUTY, CONSTANT DRIVE PTO designed as a functional replacement to front, crankshaft-driven hydraulic pump applications, and boasts up to 415 lbs.ft. torque intermittent/continuous for heavy-duty applications.

KEY FEATURES

- Rotatable pump flange
 - Increased clearance for easier installation
 - Shift cover allowing 360-degree rotation
 - Tapered roller bearings increasing the life of the PTO
 - Reduced leak paths
 - Maximized gear design for noise reduction
 - Single intermittent/continuous torque rating
 - Three housing arrangements
 - Extended length PTO mounting fasteners
 - Compatible with EX Drive shaft extension
 - Tool Kit available for easier installation
 - Increased output shaft diameter for higher durability
 - A20 Series available with **Muncie Start**® to eliminate torque spikes
- Use Shift Code:
- SX – 12 V **Muncie Start**® Integral
- SR – 12 V **Muncie Start**® Remote Mount
- Note:** The Muncie Start® is not available for the A30 Series

TARGET MARKETS

- Dump & Construction
- Fire & Rescue
- Refuse
- Utility
- Tow & Recovery
- Snow & Ice
- Bulk Hauling

TORQUE & HORSEPOWER RATINGS

SPEED RATIO	3000 SERIES ENGINE %	4000 SERIES ENGINE %	INTERMITTENT/CONTINUOUS HP (KW) @ 1,000 RPM	INTERMITTENT/CONTINUOUS TORQUE LBS.FT. (NM)
05	74	105	77 (57)	400 (542)
06	85	122	77 (57)	400 (542)
07	99	141	79 (59)	415 (563)
08	114	163	69 (51)	360 (488)
09	122	175	65 (48)	340 (461)
10	131	187	59 (44)	310 (420)
11	151	215	52 (39)	275 (373)
12	162	231	50 (37)	265 (359)
15	201	287	39 (29)	205 (278)

INSTALLATION TOOL KIT

Created for Muncie Power Products' A20 and A30 Series PTOs. Available to order.

- 49TK6580: Torque wrench, tool bag, and all required tools
- 49TK6581: Tool bag and all required tools (without torque wrench)

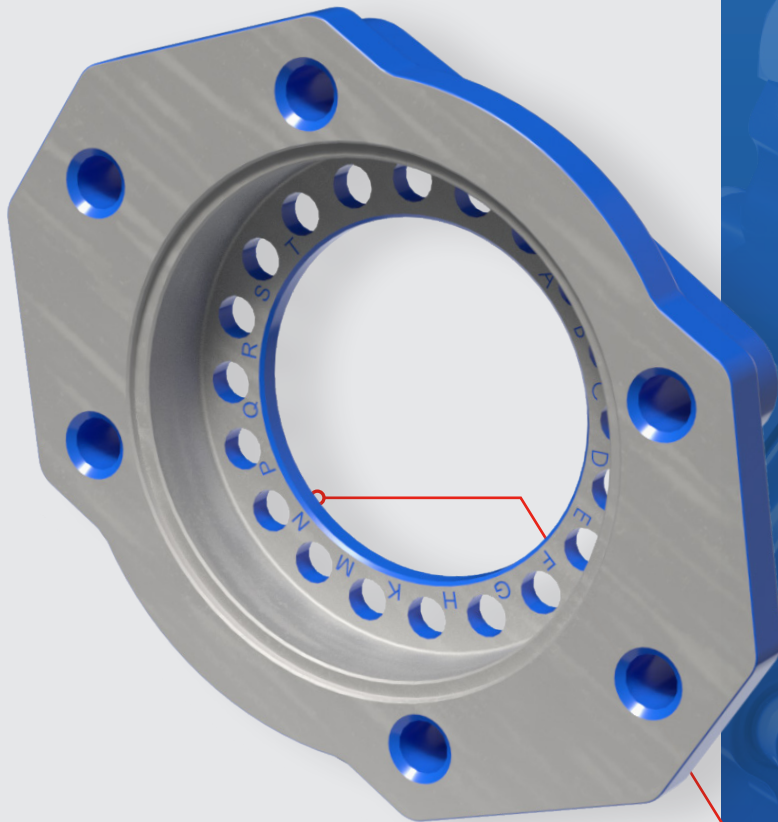


EASIER INSTALLATION

- Rotatable flange for easy pump mounting
- Housing design allows for easier access to mounting bolts
- Extended mounting bolts
- No external hoses to work around
- Installation tool kit available

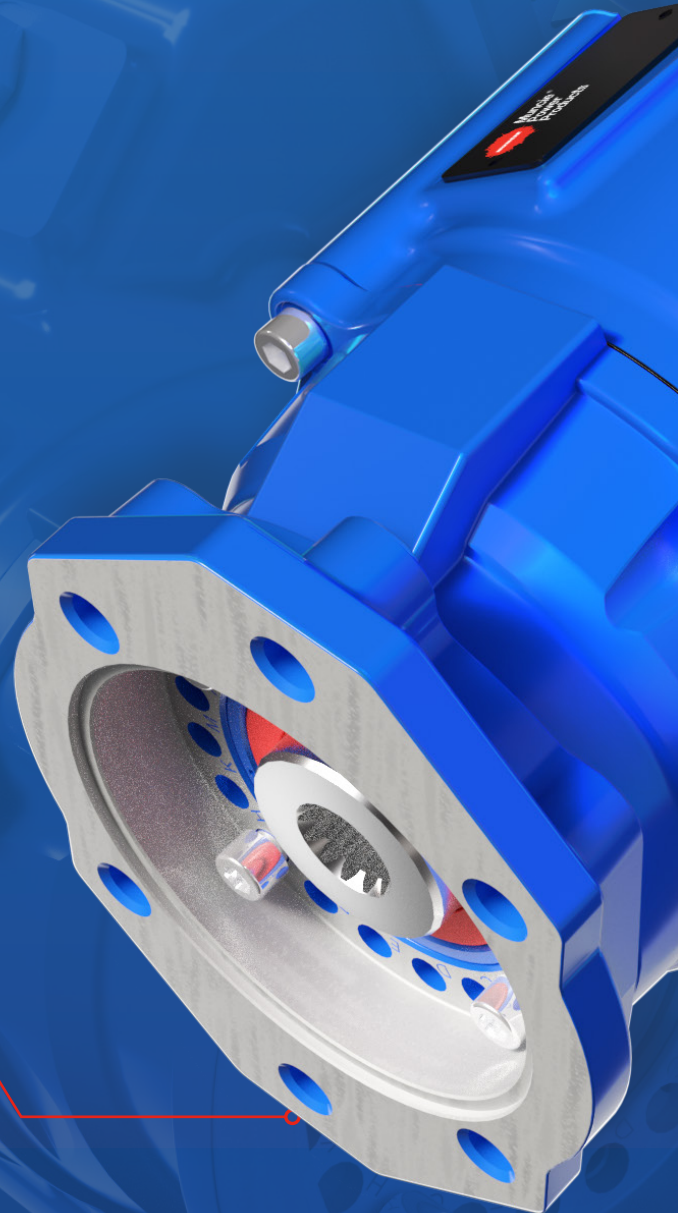
A20|A30 SERIES

ROTATABLE FLANGE



FLANGE DETAILS

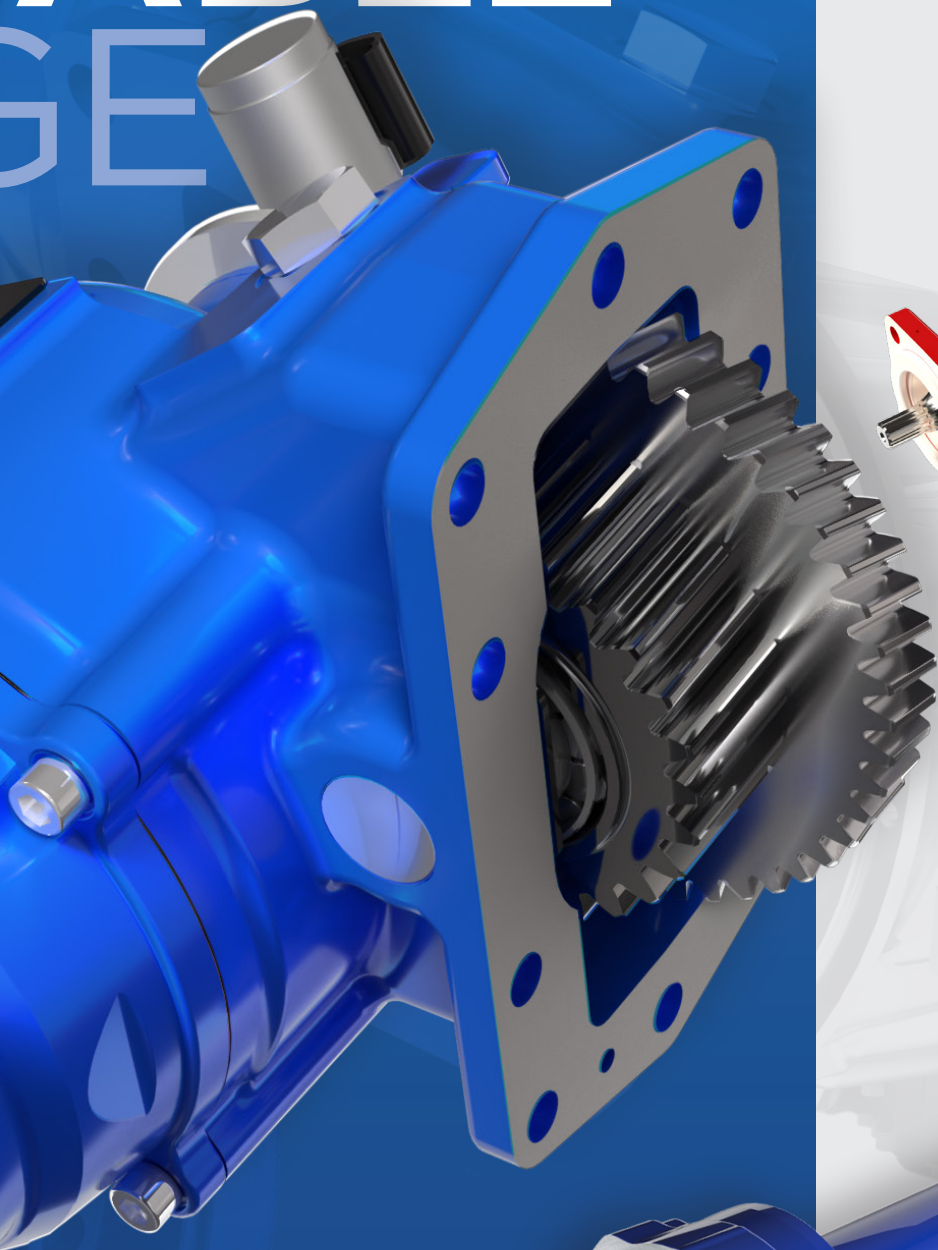
- Stamped with position codes
- 30 unique positions allows for optimal clearance
- More flexibility when mounting pumps
- Flange is easily adjustable without seal disturbance
- Can be shipped loose or at a specific position code for quicker mounting



*B1 POSITION CODE SHOWN ABOVE
ON A20 & A30 SERIES PTOs*

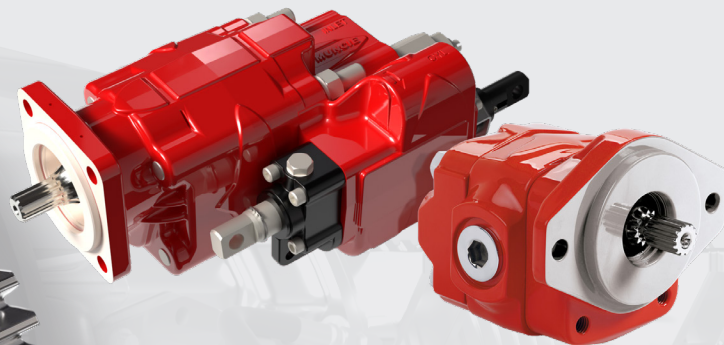
TABLE

GE



COMPATIBLE PUMPS

The A20 and A30 Series PTOs are compatible with many Muncie Power hydraulic pumps. These hydraulic pumps come in a variety of sizes and designs to suit your specific application requirements. With options including gear, piston, and vane pumps, as well as the capability to accommodate both small and high flow rates, DIN or SAE, our pumps are specifically engineered to enhance system reliability.

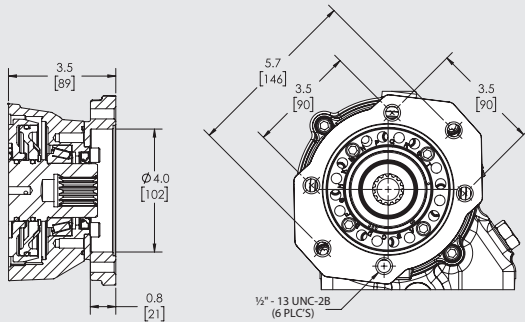


EX DRIVE

This product is designed to fit Allison 3000 and 4000 Series transmissions, whether they include a retarder or cooler. It allows for large gear or piston pumps to be directly mounted, eliminating the need for lengthy driveline installations. By providing maximum torque from the PTO, a shaft extension is available for the A20 and A30 Series PTOs.

OUTPUT DIMENSIONS

SAE OPTIONS

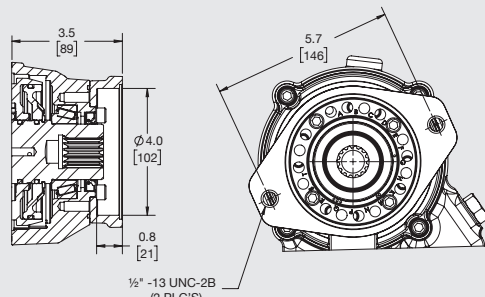


"BB" OUTPUT – SAE "B" 7/8" -13T, SAE "B" 2- & 4-Bolt

"CB" OUTPUT – Special Shaft Extension Flange

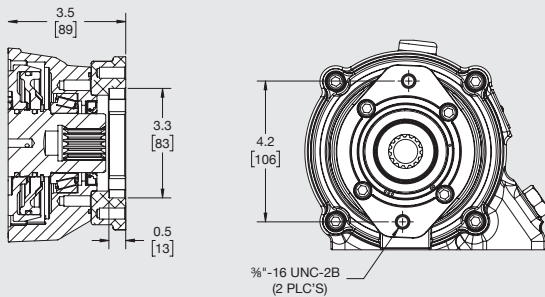
"PB" OUTPUT – SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt

"ZB" OUTPUT – SAE "C" 1 1/4" -14T, SAE "B" 2- & 4-Bolt



"BS" OUTPUT – SAE "B" 7/8" -13T Shaft SAE "B" 2-Bolt

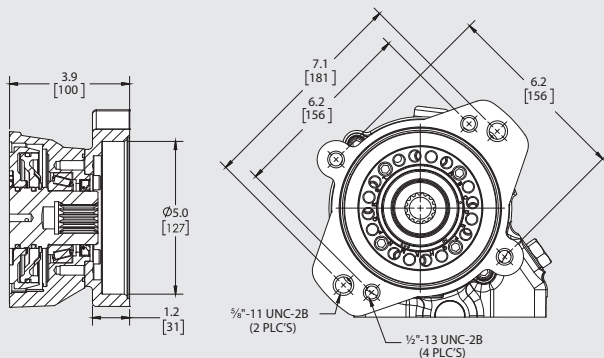
"PS" OUTPUT – SAE "BB" 1.0" -15T, SAE "B" 2-Bolt



"AA" OUTPUT – SAE "A" 5/8" -9T Shaft, SAE-"A" 2-Bolt

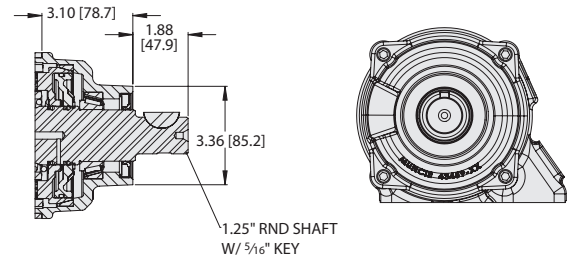
"BA" OUTPUT – SAE "B" 7/8" -13T, SAE-"A" 2-Bolt Flange

"TA" OUTPUT – SAE 3/4" -11T, SAE "A" 2-Bolt

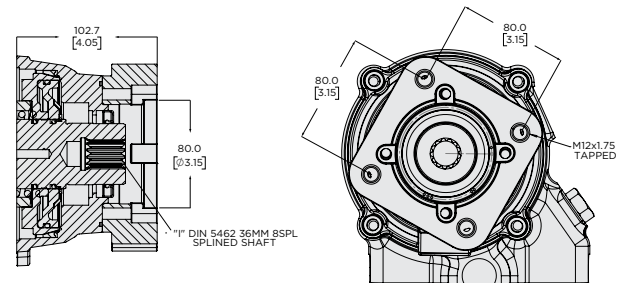


"CC" OUTPUT – SAE "C" 1 1/4" -14T, SAE "C" 2- & 4-Bolt

DIN | REMOTE OPTIONS

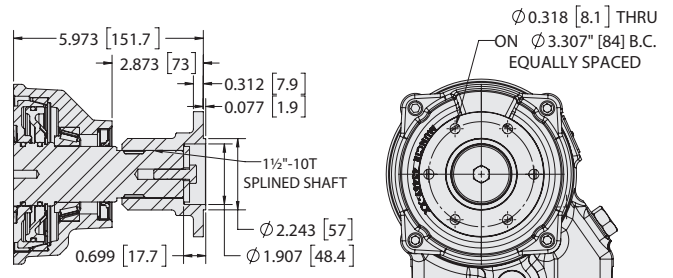


"1X" OUTPUT – 1 1/4" Round Keyed Shaft

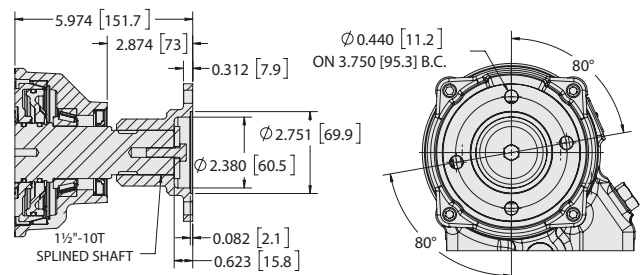


"II" OUTPUT - DIN 5462

"2I" OUTPUT – DIN 5462 EURO with M12 Tap Hole



"X2" OUTPUT – 1 1/2" -10T, DIN Companion Flange



"X4" OUTPUT – 1 1/2" -10T, 1410 Companion

MODEL NUMBER CONSTRUCTION

A20-A10 07-HX 3 BB PX XX

PTO Series

- A20 — Clutch Shift 10-Bolt
- A30 — Constant Drive 10-Bolt

Transmission Input Gear Option

- A10 — Allison 3000/4000 Series

Speed Ratios

- 05 — .54:1
- 06 — .63:1
- 07 — .73:1
- 08 — .84:1
- 09 — .90:1
- 10 — .97:1
- 11 — 1.11:1
- 12 — 1.19:1
- 15 — 1.48:1

Shift Options

- HX — 12 V Electric/Hydraulic 2015–2020
- HR — 12 V Electric/Hydraulic Remote Mount
- JX — 24 V Electric/Hydraulic
- JR — 24 V Electric/Hydraulic Remote Mount
- XX — Electric/Hydraulic w/o Activation Components
- RS — Reduced Harness **Muncie Start**[®]
- RX — 12 V Reduced Harness (Wiring Pigtails Only)
- SX — 12 V **Muncie Start**[®] Integral
- SR — 12 V **Muncie Start**[®] Remote Mount
- H2 — 12V Electric/Hydraulic Hino 2021 & Newer
- S2 — 12 V **Muncie Start**[®] Hino 2021 & Newer
- MX — Constant Drive ****

Flange Position Codes **

- A1–T3 — Custom Flange Position
- XX — Flange Shipped Loose
- Blank — Default Position

Special Feature Options

- PX — Standard Hose Kit
- PW — Wet Spline & Standard Hose Kit ***
- BX — Top Opening Hose Kit
- BW — Top Opening Hose Kit Wet Spline
- XX — Delete Hose Kit

Output Options

- 1X — 1¼" Round Keyed Shaft
- 2I — DIN 5462 Euro with M12 Tap Hole *****
- AA — SAE "A" ⅝" -9T, SAE "A" 2-Bolt *****
- BA — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
- BB — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt *
- BS — SAE "B" ⅞" -13T, SAE "B" 2-Bolt *
- CB — XSMC Shaft Extension Mount *, ***
- CC — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt *
II — DIN 5462 *
- PB — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt *
- PS — SAE "BB" 1" -15T, SAE "B" 2-Bolt *
- TA — ¾" -11T, SAE "A" 2-Bolt
- X2 — 1½" -10T, DIN 100 Companion Flange
- X4 — 1½" -10T Male, 1410 Companion Flange
- XX — 1½" -10T Male, for Companion Flange
- ZB — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt *

Assembly Arrangements

- 1 — Right Side Shaft Low
- 3 — Left Side Shaft Low
- 5 — No Offset (Straight Out From Opening)

* Wet Spline Option Available

** Special Flange Arrangement Example: A1 or T3: for proper code selection adjust flange to the ideal position and note the letter that aligns centered with the marked dots.

*** Use with Shaft Extension

**** Only option available for A30 Series PTO, not available for A20

***** Not available for A30



A Member of the Interpump Group

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