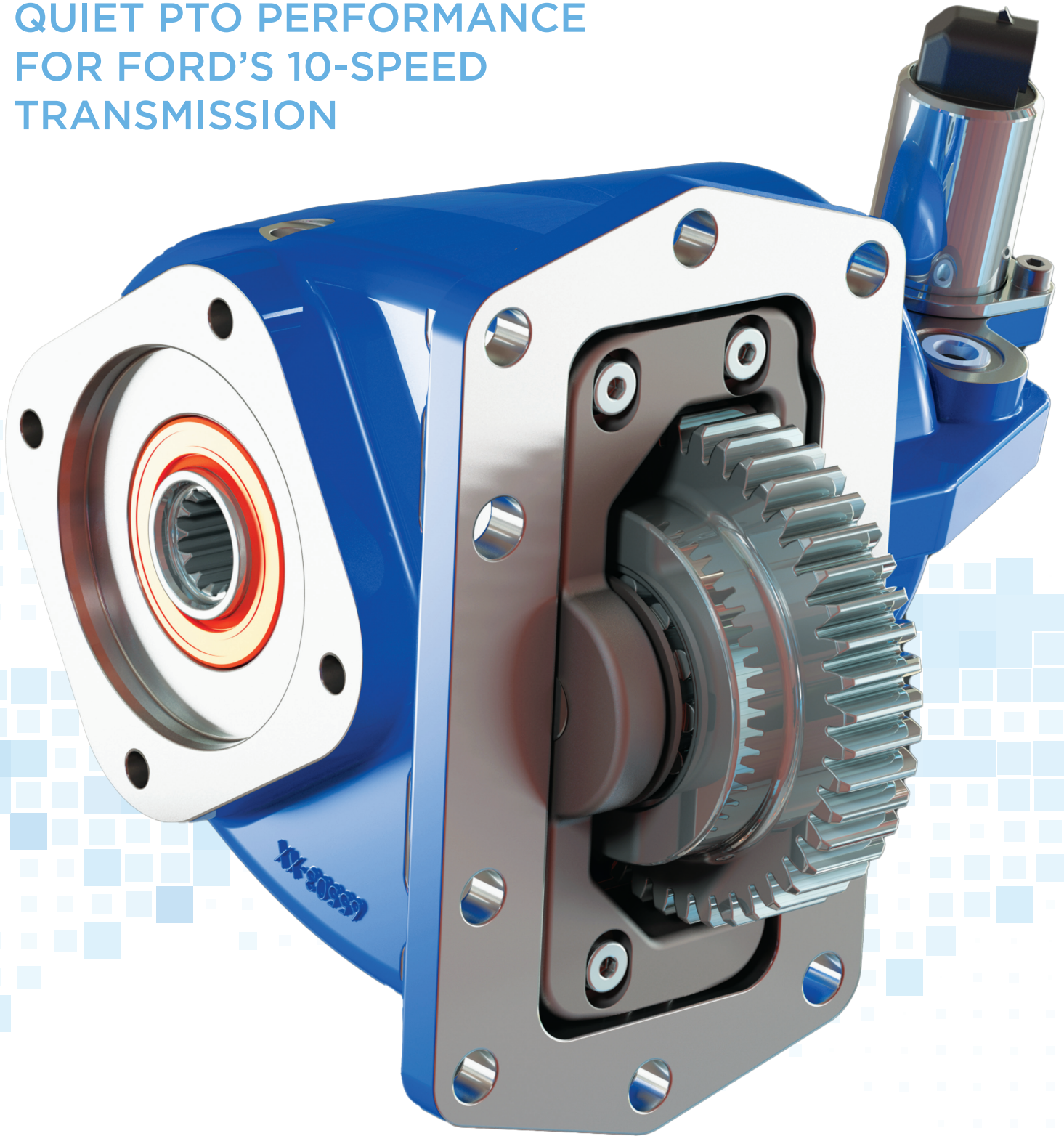


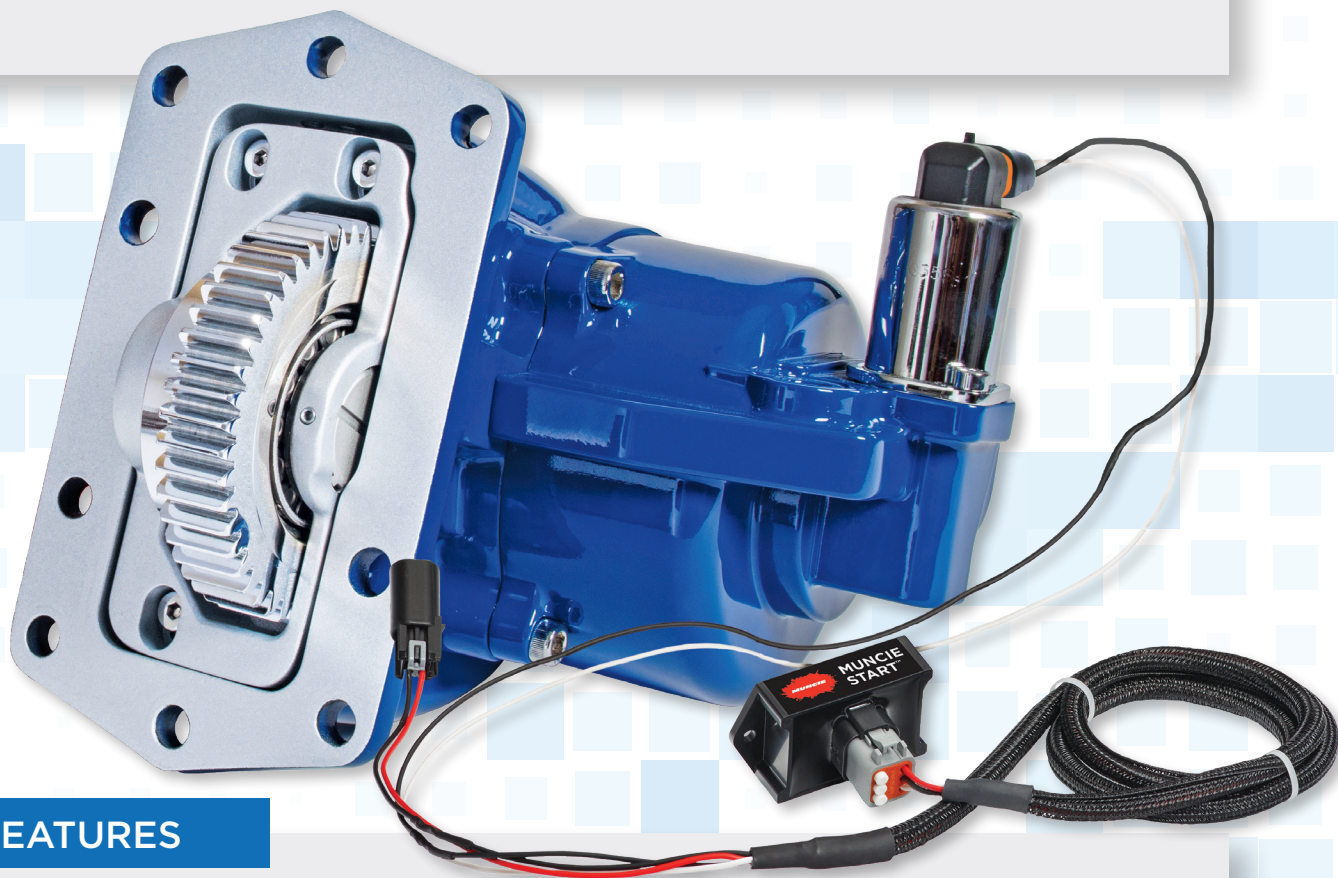
F20 SERIES PTO

QUIET PTO PERFORMANCE
FOR FORD'S 10-SPEED
TRANSMISSION



F20 SERIES POWER TAKE-OFF

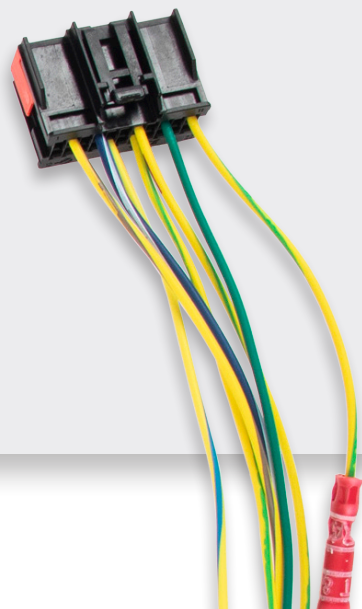
THE F20 SERIES IS A 10-BOLT, CLUTCH SHIFT POWER TAKE-OFF designed specifically for Ford 10R140 TorqShift® 10-speed transmission on Class 3–5 Ford trucks starting in model year 2020. This PTO utilizes the full transmission torque capacity of 300 lbs.ft. and, like the FR6Q Series, features patented noise abatement technology. Although the F20 Series PTO has a 10-bolt mounting pattern unique to the 10R140 transmission, it will have all the same options available as the FR6Q Series.



KEY FEATURES

Compatible with **Muncie Start®**, the electronically controlled, modulated clutch engagement system that eliminates torque spikes upon start-up for high-inertia loads.

- **Pre-configured wiring harness for easy plug and play**
- Designed for Ford Super Duty trucks F-250–F-600, with the Ford 10R140 TorqShift® transmission
- Features patented noise abatement technology
- Available with direct mount and round shaft output options
- Solenoid activated



TARGET MARKETS

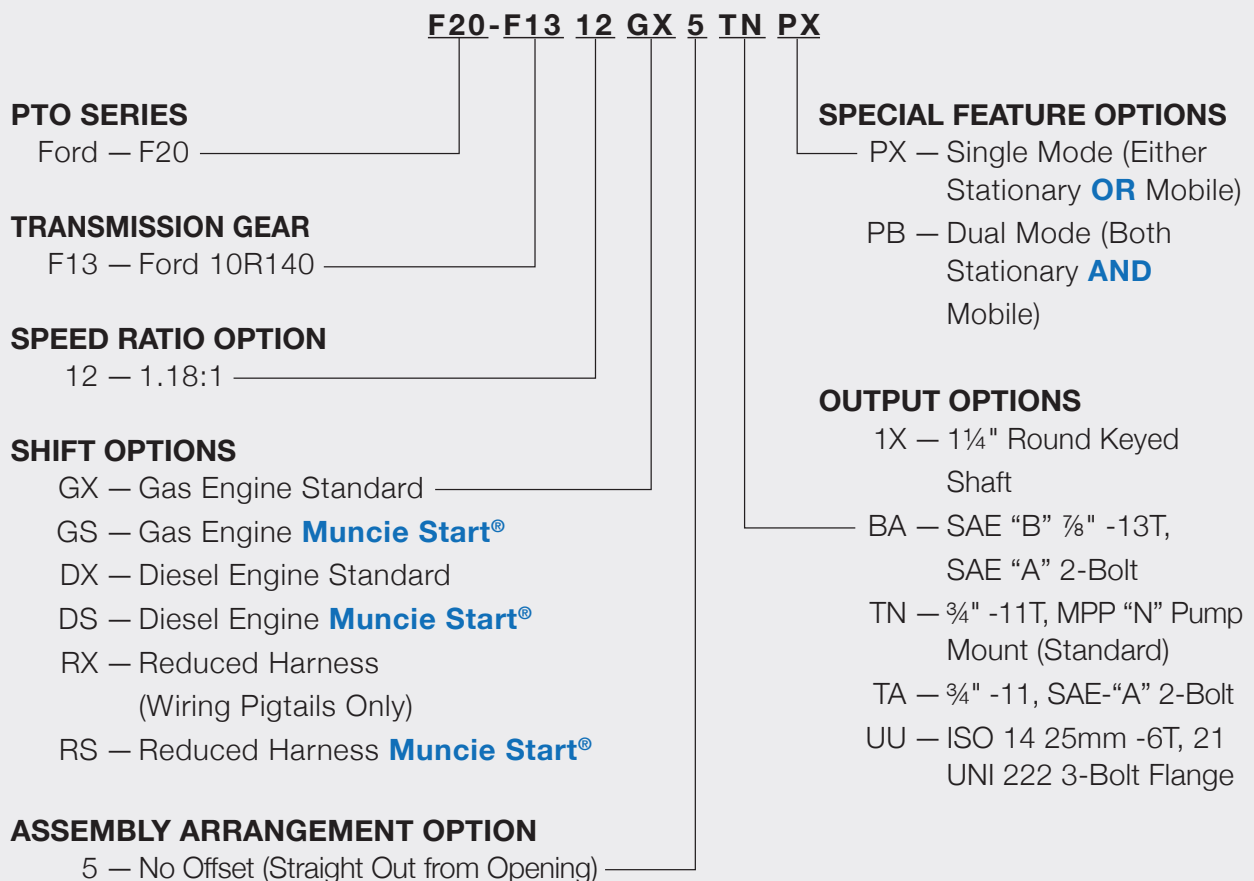
- Dump
- Refuse
- Snow & Ice
- Tow & Recovery
- Utility

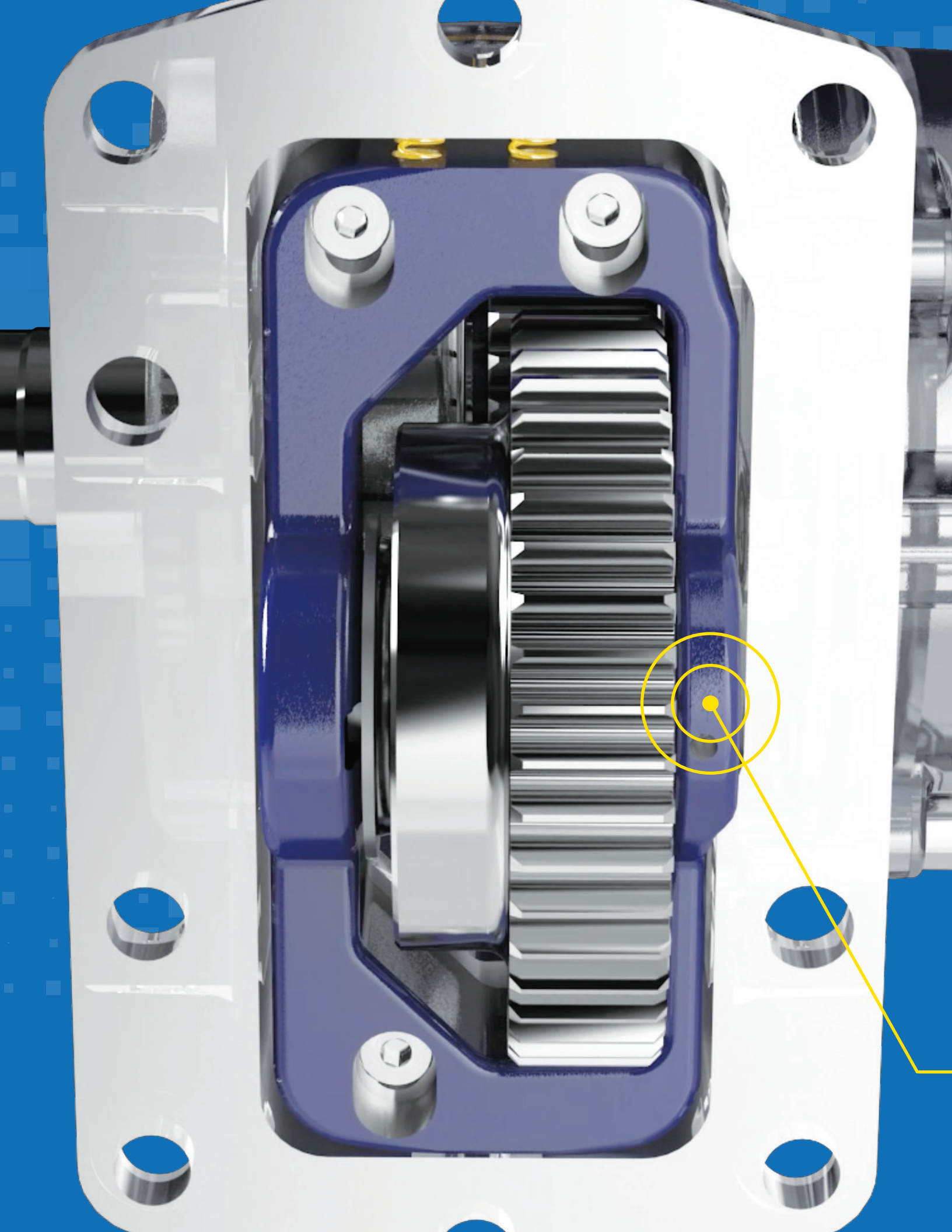
PTO TORQUE & HORSEPOWER RATINGS

INTERNAL SPEED RATIO CODE	% OF ENGINE SPEED	INTERMITTENT HP (kW) @ 1,000 RPM	INTERMITTENT TORQUE LBS.FT. (Nm)
12	130%	50 (37 kW)	261 (354 Nm)

Approximate Weight: 29 lbs. (13.15 Kg.)

MODEL NUMBER CONSTRUCTION







QUIET

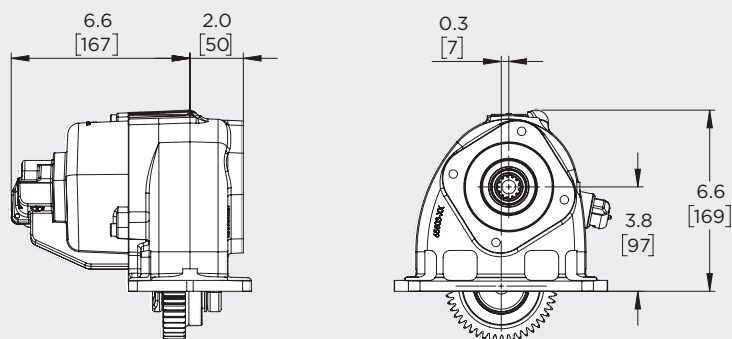
PTO PERFORMANCE FOR FORD'S 10-SPEED TRANSMISSION

- The F20 Series features patented noise abatement technology, allowing for a quieter operating experience.

OUTPUT OPTION DIMENSIONS

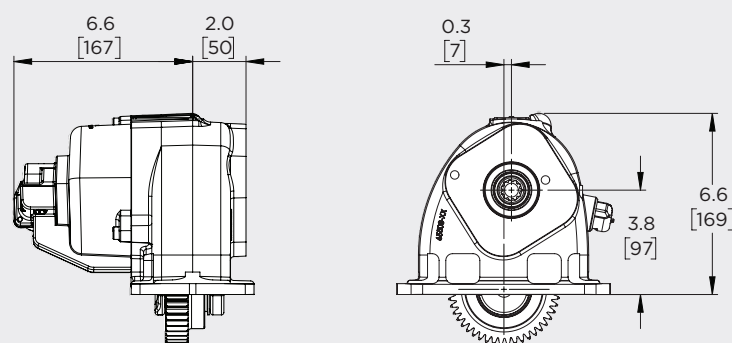
SAE "A" 2-BOLT FLANGE

"BA" Output - $\frac{7}{8}$ " -13T Shaft
"TA" Output - $\frac{3}{4}$ " -11T Shaft



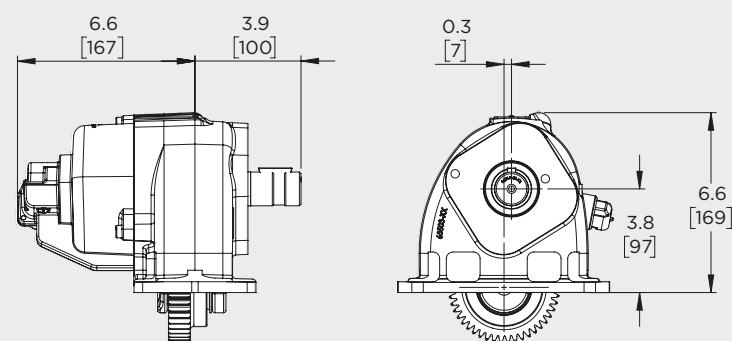
MPP "N" MOUNT 2-BOLT FLANGE

"TN" Output - $\frac{3}{4}$ " -11T Shaft



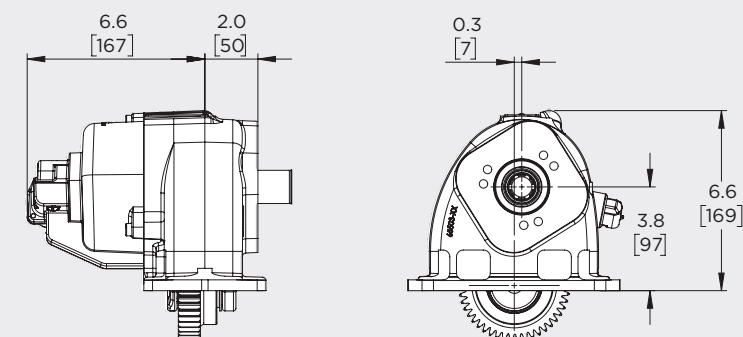
REMOTE MOUNT

"1X" Output - $1\frac{1}{4}$ " Round
Shaft w/ $\frac{5}{16}$ " $\times$ $\frac{1}{4}$ " KEY



UNI 222 MOUNT 3-BOLT FLANGE

"UU" Output - ISO 14 25mm
-6T, 21 UNI 222 3-Bolt Flange



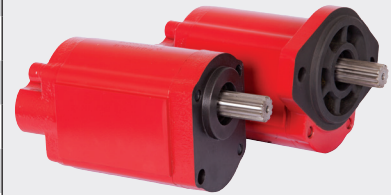
Assembly "5" Arrangement shown – ONLY option for F20 Series PTOs

COMPATIBLE PUMPS

PF4 SERIES

The pressure balanced bushing blocks and sleeve bearings provide both extra long life and high performance. This pump requires the “TN” output code for the F20 Series.

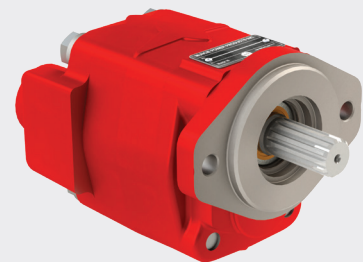
DISPLACEMENT (cu.in./Rev.)
0.37–2.01
GPM (@ 1,000 RPM) *
1.60–8.70
MAX. PRESSURE (PSI)
3,625



PH SERIES

All standard PH Series displacements are available for F20 Series “BA” mount applications. Each unit will come standard with a SAE “A” 2-bolt mounting flange and 7/8" -13T splined shaft.

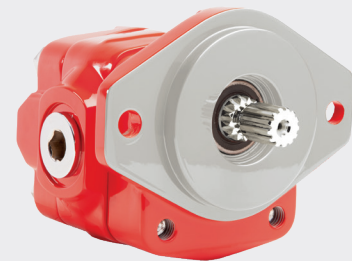
DISPLACEMENT (cu.in./Rev.)
0.62–2.48
GPM (@ 1,000 RPM) *
2.7–10.7
MAX. PRESSURE (PSI)
3,500



PK SERIES

PK Series pumps feature bi-rotational, four-port construction. All series can be either direct mounted to a power take-off, or remote mounted and shaft driven. The pumps can also be used as high-speed, low-torque hydraulic motors.

DISPLACEMENT (cu.in./Rev.)
0.98–3.94
GPM (@ 1,000 RPM) *
4.2–17.1
MAX. PRESSURE (PSI)
3,000



Note: Use PK Series pumps on 4x2 chassis applications ONLY

24FXG-025

The 24FXG-025 bent axis piston pump is a high efficiency pump designed for applications requiring higher pressures and low flow rates. Requires “UU” output code.

DISPLACEMENT (cu.in./Rev.)
1.57
GPM (@ 1,000 RPM) *
6.80
MAX. PRESSURE (PSI)
6,525



* Flow rates are theoretical.



**Muncie®
Power
Products**

A Member of the Interpump Group

MP19-02 (Rev. 12-25)

201 East Jackson Street, Muncie, Indiana 47305
800-367-7867 • Fax: 765-284-6991 • info@munciepower.com

Specifications are subject to change without notice. Visit www.munciepower.com
for warranties and literature. All rights reserved. © Muncie Power Products, Inc. (2020)