



MUNCIE POWER PRODUCTS

Product Bulletin #00096

Subject: A20 Series Production Launch

Date: March 1, 2021

URL: www.munciepower.com

The new Muncie A20 10-bolt Power Take-Off is now available and ready for purchase, effective March 1, 2021.

PTO Information

The A20 is the new medium-duty PTO for Allison 3000 and 4000 series family applications. The PTO will replace the MC1 family of products moving forward. It is rated for up to 415 lbs.ft. torque continuous/intermittent. External dimensions will remain unchanged, as compared to the MC1, with the exception of the output cover and pump flange design.

Special Features

- New output cover allowing for 6 degree increments and 30 unique flange positions
- Flange can be adjusted without disturbing any seals or shims
- All bearings internally lubricated
- Housing design provides easy access to all mounting fasteners
- Rear cover can be rotated 360 degrees for ease of installation
- 3 housing arrangements, including 5 arrangement housing that features no offset (straight out from mounting face on transmission)
- Available with Muncie Start®

Literature

- IN17-04 - PTO Operator's Manual
- IN21-01 – A20 Installation Instructions
- IN21-02 – A20 Activation Instructions
- IN21-03 – A20 Hino Activation Instructions
- SP21-01 – A20 Service Parts
- MP21-01 – A20 Spec Brochure

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Model Number Construction

A20 – A10 10 - HX 3 BB PX - **

Model:

A20 – Medium Duty Clutch Shift 10-Bolt

Transmission Gear:

A10 – Allison 10.16P RH

Internal Gear Ratio:

05 - .54:1

06 – .63:1

07 - .73:1

08 - .84:1

09 – 0.90:1

10 - .97:1

11 – 1.11:1

12 – 1.19:1

15 - 1.48:1

Shift Type:

HX – 12V Electric/ Hydraulic Integral

HR - 12V Electric/ Hydraulic Remote

JX - 24V Electric/ Hydraulic Integral

JR - 24V Electric/ Hydraulic Remote

SX – 12V Muncie Start Integral

SR - 12V Muncie Start Remote

H2 – 12V Integral Hino (MY 2021 & Later)

Assembly Arrangement:

1 – Right Side Shaft Low

3 – Left Side Shaft Low

5 – Top Mount (No offset)

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Output Type:

- 1X - 1.25" Round Shaft with $\frac{5}{16}$ " Key
- X4 – 1410 Companion Flange
- II – DIN 5462 8 SPL
- 2I – DIN 5462 8 SPL Euro
- BB – SAE “B” 2/4 Bolt Flange; SAE “B” $\frac{7}{8}$ "-13T Shaft
- BS – SAE “B” 2 Bolt Flange; SAE “B” $\frac{7}{8}$ "-13T Shaft
- PB - SAE “B” 2/4 Bolt Flange; SAE “BB” 1”-15T Shaft
- BA - SAE “A” 2-Bolt Flange w/ SAE “B” $\frac{7}{8}$ "-13T Shaft
- TA - SAE “A” 2-Bolt Flange w/ $\frac{3}{4}$ "-11T Shaft
- X2 – DIN 120 Companion Flange
- CB – EX Drive Mount
- ZB - SAE B 2/4 Bolt; SAE “C” 1.25-14T Shaft

Special Features:

- PX –Standard Hose Kit
- BX – Top Opening Hose Kit
- US – Pulse Generator + SPD1001
- UX – Pulse Generator + Standard Hose Kit
- UB – Pulse Generator + Top Mount Hose Kit
- XX – Hose Kit Delete
- PW – Standard Hose Kit

Flange Position Code:

- A1 through T3 - Custom Flange Position code
 - XX - Flange shipped loose
- If left blank, flange will be positioned in standard orientation

For more information, please contact Muncie Power Products customer service.

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