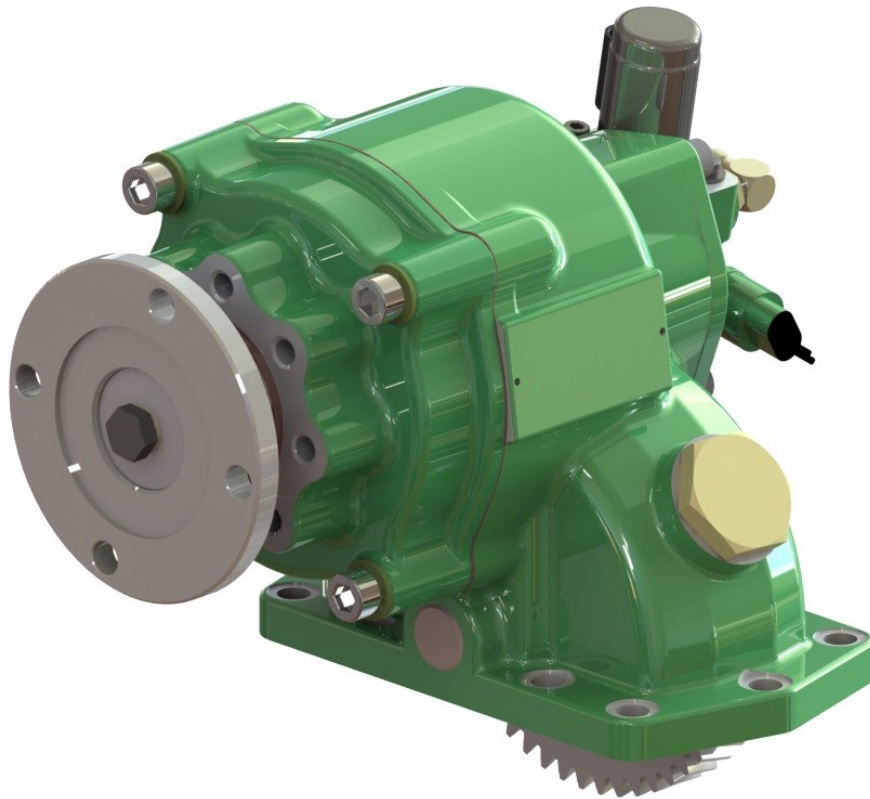


Technical Data Sheet



PA4100 SERIES POWER TAKE-OFF

Low Ratio, Heavy Duty Side Mounted Hotshift PTO

The 4100 series is a constant mesh PTO designed to suit 10 bolt transmission openings on the MD and HD series Allison automatic transmissions.

It's perfect for vehicles with a narrow chassis e.g. HINO, Isuzu, with it's new compact housing design.

This PTO has a high torque rating which suits heavy duty applications.

Suits:

Allison MD 3050P, 3060P, 3070PT, 3550P, 3560P,
HD 4060P, 4560P series transmissions.

(Refer to the eGuide Configurator on www.hydreco.com for confirmation and details)

Product Features

- **Output Speeds 79 to 174% of Engine Speed (Transmission Dependant)**
To suit the output speed and torque requirements in all applications.
- **Large Range of Outputs**
For flexibility in applications.
- **Viton Seals and O-Rings**
For use in high temperature conditions.
- **“One Gasket, One Hose” Fitting**
Simple to install, resulting in lower setup costs.
- **Low Profile**
Providing easier installation on narrower chassis’.
- **Internal Clutch Hot Shift System**
Ideal for applications with frequent PTO engagements.

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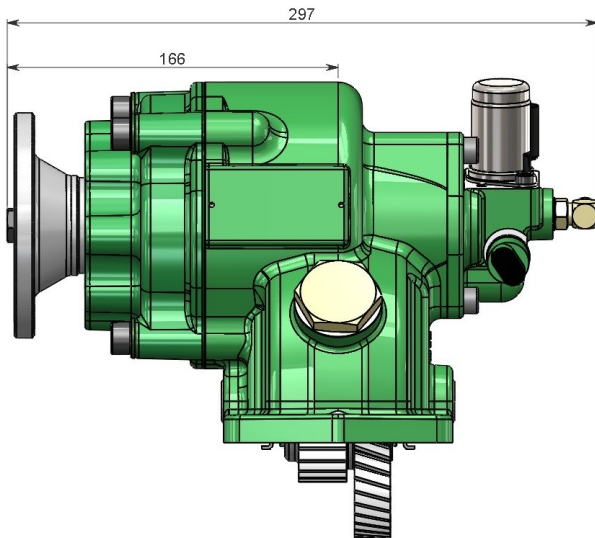
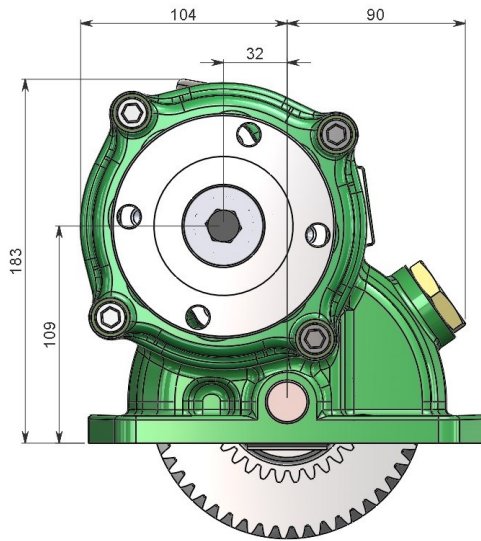
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Technical Data Sheet



PTO DESIGNATION CODES

4100 Series

PA 4104 JB L11 F 13 F *

Identifier

PA = PTO Side Mount

PTO Series

41

Ratio (3000 / 3500 / 4000)

01 = 78.1% / 95.4% / 111.5%
 04 = 92.7% / 113.1% / 132.3%
 06 = 103.6% / 126.5% / 147.8%
 09 = 122.1% / 149.0% / 174.1%

Gear Type

JB

Build

L = Left side of transmission
 R = Right side of transmission
 1 = Selector to top / Bias to bottom
 2 = Selector to bottom / Bias to top
 I = Centre to front
 (Position of gear in transmission)

Engagement Type

F = Electric / Hydraulic 12V
 G = Electric / Hydraulic 24V
 J = Hydraulic (for remote solenoid)

Output Type

08 = 8T Powauto Hydraulic Spline
 10 = 14T 12/24 30° Spline + 1310 Flange
 11 = 14T 12/24 30° Spline + 1410 Flange
 13 = 13T SAE B Hydraulic Spline + SAE B Pump Mount
 23 = 8T Ø36 DIN 5462 Spline - Female and DIN Mount
 Other outputs available on request, subject to MOQ.

Manufacturers Code

F = With Switch, Mounting Kit & PTO Control Kit

Remote Solenoid

12V
 24V

Technical Specifications		for Allison Transmissions			
Ratings & Service Parts		PA4101	PA4104	PA4106	PA4109
Ratio for 3000 Series (Left & Right Opening)		78.1%	92.7%	103.6%	122.1%
Ratio for 3000 Series (Top & Side Opening)		95.4%	113.1%	126.5%	149.0%
Ratio for 4000 Series		111.5%	132.3%	147.8%	174.1%
Torque	Nm / ft.lb	470 / 347	470 / 347	450 / 332	417 / 308
Power @ 500 rpm	kW / hp	24.6 / 33.0	24.6 / 33.0	23.6 / 31.6	21.8 / 29.3
Power @ 1000 rpm	kW / hp	49.2 / 66.0	49.2 / 66.0	47.1 / 63.2	43.7 / 58.6
Output Shaft Rotation		Same As Engine			
Approximate Bare Mass	kg / lb	19.0 / 41.8			
Mounting Kit		MK1163			
Mounting Gasket Kit		GK023			
Seal Kit		SK119 or SK119A (for Mech Output)			
Bearing Kit		BK119 or BK119A (for Mech Output)			

Note: For full details refer to the owners manual or the eGuide configurator found at www.hydreco.com/markets/transport

Doc: PA4100—11/17

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