

Data Sheet

LDU32

Closed Circuit Axial Piston Transmission

For more than 40 years, Danfoss has been developing state-of-the-art components and systems for mobile machinery used in off-highway operations around the world. We have become a preferred supplier by offering the best of what really matters: The hardware inside your vehicle application.

The LDU32 was designed as a one housing U-style transmission. It houses a variable axial piston pump with fixed displacement axial piston motor to provide the infinite gear ratio in a compact size.

This design provides higher life and performance and is well suited for turf care machines, compact utility tractors and agricultural vehicles.



Features

Designed for Durability and Flexibility

- Best-in-class efficiency with male slipper design
- Longer life kit and higher duty capability in the most compact design in its class
- Shortest shaft center-line distance in its class

Installation and Packaging benefits

- Optimized for shortest distance between shaft center-lines
- U-style layout in housing able to mount as either Z- or U- Shaft configurations
- Pump and motor in single housing
- Reduced noise
- Supply charge pressure and case drains directly through the transmission (no hoses)

Controls

- Direct Displacement Control (DDC)
- · Low operating force

Options

- High Pressure Relief Valves (HPRV)
- Charge Pressure Relief Valve (CPRV)
- · Orifice to increase neutral deadband

Comprehensive technical literature is online at www.danfoss.com



Technical specifications

Features		Unit	Value
Displacement	Pump side	cm ³ [in ³]	0 - 31.5 [0 - 1.92]
	Motor side		31.5 [1.92]
Weight, (dry)		kg [lb]	21 [46.3]
Input speed	Minimum	min ⁻¹	1000
	Rated	(rpm)	3200
	Maximum		3400
System pressure	Max. working pressure*	bar [psi]	300 [4350]
	Maximum		345 [5004]
Case pressure	Rated	bar [psi]	1 [14.5]
	Maximum		3 [43.5]

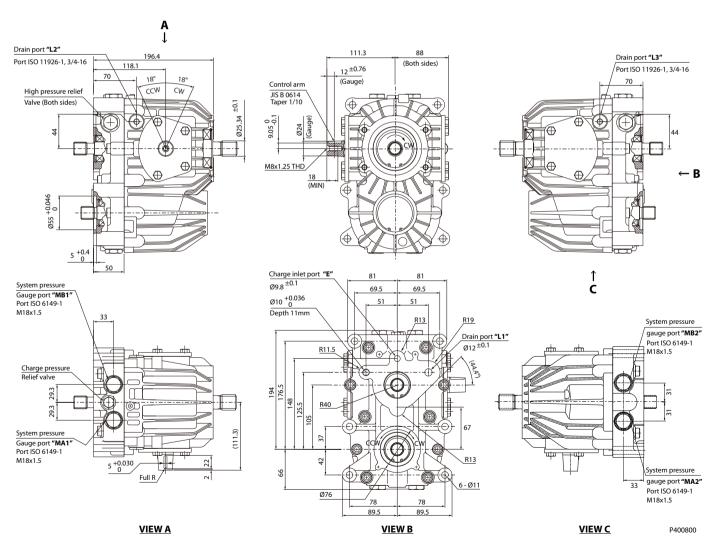
L2 X--- L1

L3 X--- L1

Customer should provide external charge circuit.

MA2 MB2 P400 799

^{*} Applied pressures above maximum working pressure requires Danfoss application approval.



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