

Data Sheet

Closed Circuit Axial Piston Transmission

LDU20

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 LDU20 was designed as a one housing U-style transmission but can also be mounted in a Z-style configuration. The design has been optimized to put a slipper piston pump in the same size as traditional no slipper piston transmissions (BDU).

Both LDU20 and BDU21 can be used in the same mechanical transmissions using the same shaft distances. This design helps with higher life and performance in the same package and is well suited for turf care, compact utility tractors and agriculture vehicles (rice planters and combines).



Features

Designed for Durability and Flexibility

- Best in class efficiency by male slipper design
- Longer life kit and higher duty capability in the most compact design in its class
- Shortest shaft center line distance in it's class
- Same shaft centerline as traditional Bantam Duty U-style (BDU) transmissions (shoeless piston type)

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- Style 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

- Loop bypass valve
- High Pressure Relief Valves (HPRV)
- Charge Pressure Relief Valve (CPRV)

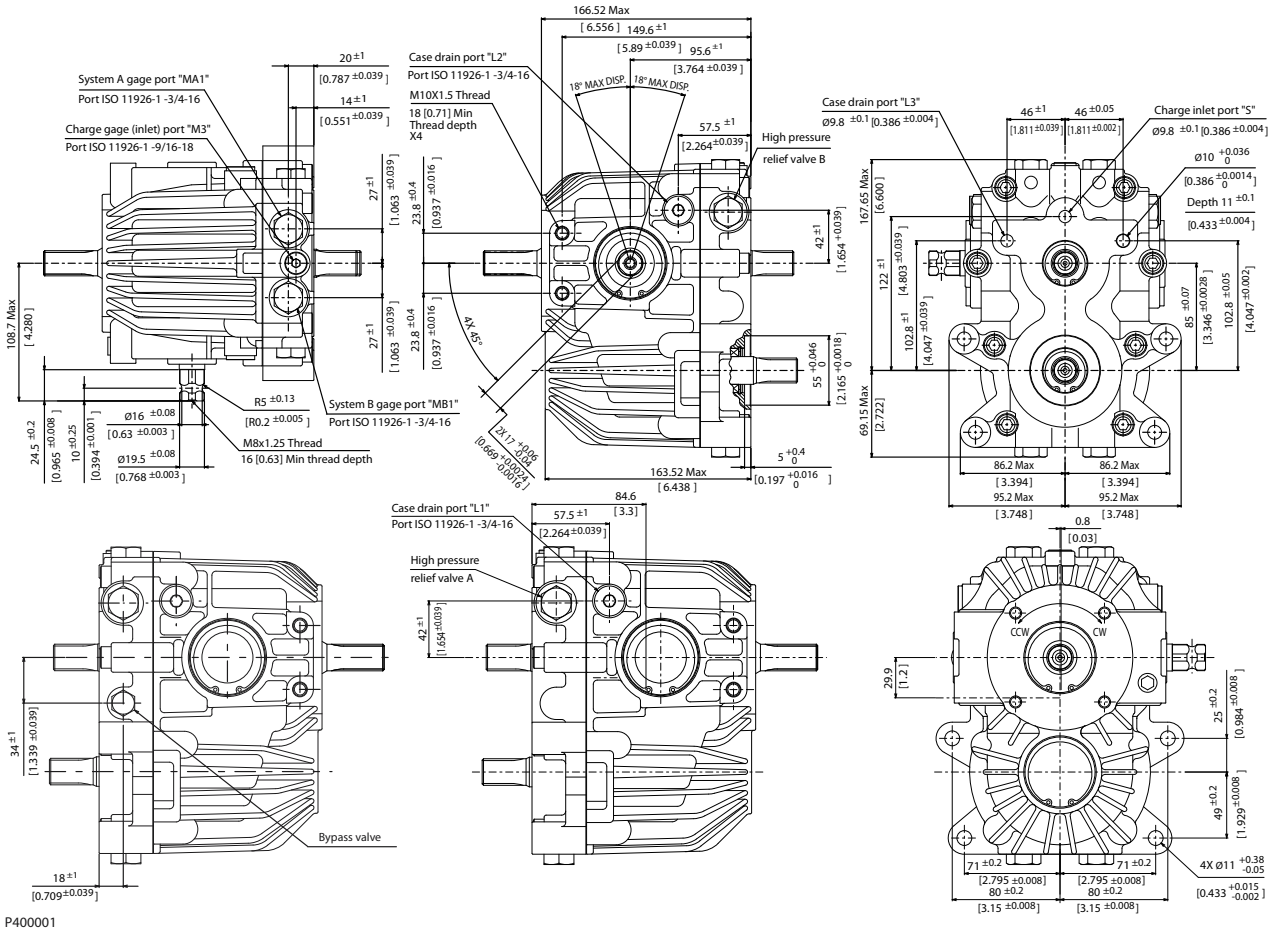
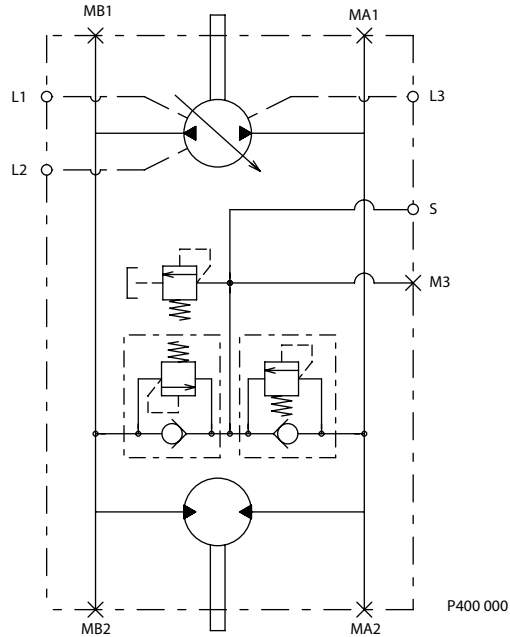
Comprehensive technical literature is online at powersolutions.danfoss.com



Technical specifications

Features		Unit	Value
Displacement		cm ³ [in ³]	0 - 20.0 [0 - 1.22]
Weight, (dry)		kg [lb]	14.1 [31.1]
Input speed	Min. for external charge supply	min ⁻¹ (rpm)	500
	Min. for full performance		1300
	Rated		3400
	Maximum		3800
System pressure	Max. working pressure*	bar [psi]	300 [4350]
	Max. pressure		345 [5000]
Case pressure	Rated	bar [psi]	1 [14.5]
	Maximum		3 [43.5]

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



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