

Data Sheet

LDU21CClosed 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 LDU21C 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.

The LDU21C has same shaft center-line distance and same flange dimension with BDU21. This design provides longer life and higher performance and is well suited for turf care, compact utility tractors and agricultural vehicles.



Features

Designed for Durability and Flexibility

- · Best in class efficiency
- Longer life kit and higher duty capability in the most compact design in its class
- Shortest shaft center-line distance in its class
- Same shaft center-line distance and flange dimension as traditional Bantam Duty U-style (BDU) transmissions

Installation and Packaging benefits

- Optimized for shortest distance between shaft center-lines
- · 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

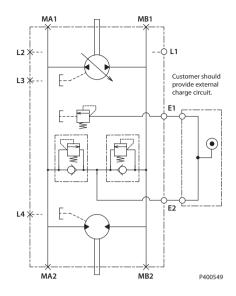
- High Pressure Relief Valves (HPRV)
- Charge Pressure Relief Valve (CPRV)
- · Orifice to increase neutral deadband
- Control arm with a hole to prevent from slipping out

Comprehensive technical literature is online at www.danfoss.com

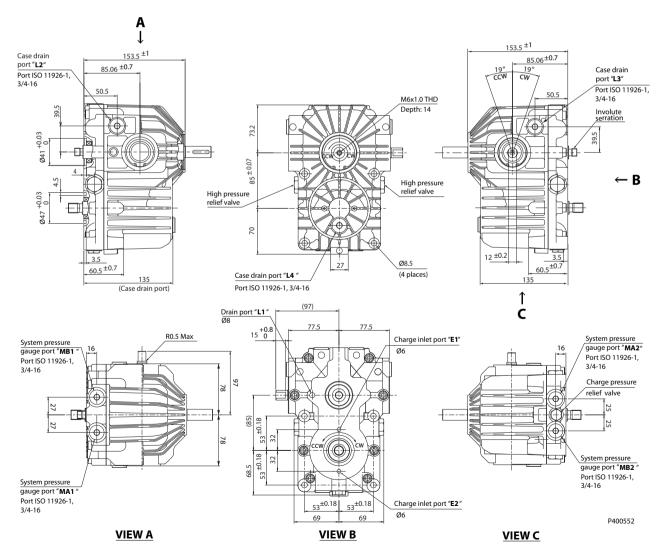


Technical specifications

Features		Unit	Value
Displacement	Pump side	cm ³ [in ³]	0 - 21 [0 - 1.28]
	Motor side		21 [1.28]
Weight, (dry)		kg [lb]	11.0 [24.3]
Input speed	Minimum	min ⁻¹ (rpm)	500
	Rated		3600
	Maximum		3800
System pressure	Max. working pressure*	bar [psi]	250 [3626]
	Max. pressure		280 [4061]
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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