

## Data Sheet

**LDU21C**

## 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 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

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Comprehensive technical literature is online at [www.danfoss.com](http://www.danfoss.com)

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## Technical specifications

Features		Unit	Value
Displacement	Pump side	cm <sup>3</sup> [in <sup>3</sup> ]	0 - 21 [0 - 1.28]
	Motor side		21 [1.28]
Weight, (dry)		kg [lb]	11.0 [24.3]
Input speed	Minimum	min <sup>-1</sup> (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.

