



BMV

Integrated Drive Motor

Since the 1960s, Danfoss has been developing state-of-the-art components and systems for mobile machinery used in off-highway operations around the world. Danfoss has become a preferred supplier by offering the best of what really matters, the hardware inside your vehicle applications.

BMV Integrated Drive Motor is a high speed motor combined with a planetary reduction gear box, that can be widely used for a variety of HST applications such as agriculture, construction and road building vehicles.

BMV Integrated Drive Motor's best-in-class performance will meet customer's exact requirements, along with the sophisticated compact and space-saving design.

BMV Integrated Drive Motor also prepares several options such as loop flushing valves, speed sensor for customer's possible customizations. These additional options allow us to be able to offer solutions to the high performance needs for wheeled and tracked vehicles.



Features

Designed for Durability and Flexibility

- Common components per frame size
- Variable 2 speed motor type
- 2 stage planetary gear
- Duo-cone type mechanical seal
- Hi torque Brake System
- Integrated multiplate parking brake device

Installation and Packaging benefits

- Compact, space-saving design for easy installation
- Easy mounting
- Comfortable oil changing
- Low noise

Controls

- 2 speed control by hydraulic pilot pressure

Options

- Displacement Setting (Max. and Min.)
- Port Configuration (Inch and Metric)
- Loop Flushing Valve
- Parking Brake
- PLUS+1[®] Compliance, speed sensor

Comprehensive technical literature is online at powersource.danfoss.com.



Technical Specification

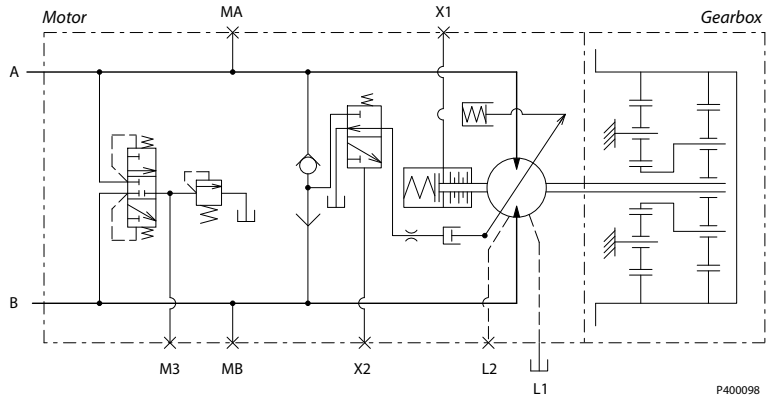
Physical properties

Features		Unit	028	032	041	051
Displacement	Max.	cm ³	28.0	31.5	41.0	51.0
	Min.		18.3	20.6	26.8	33.4
Weight with gear oil		kg	57		81	

Operating Parameters

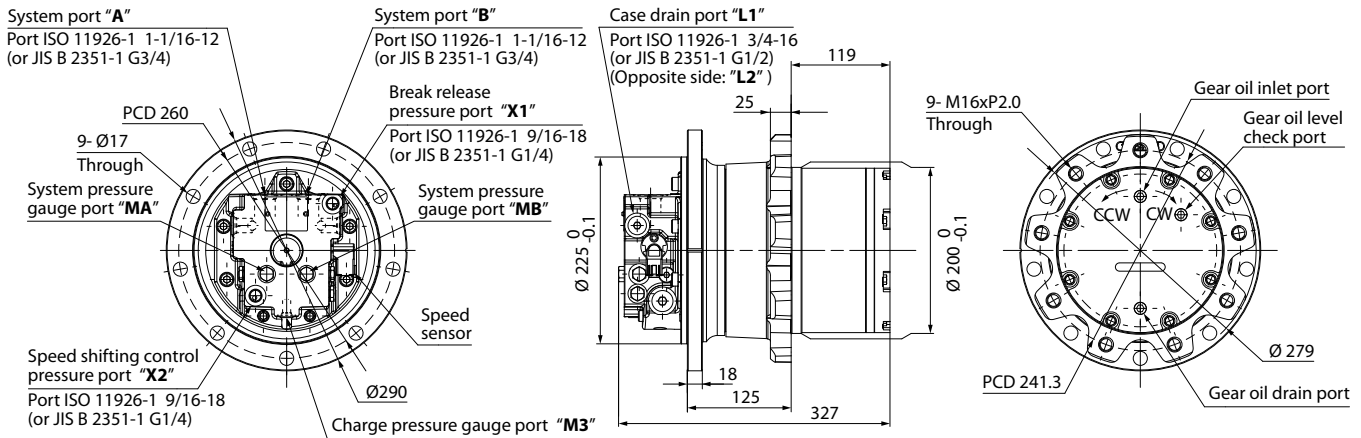
Features		028	032	041	051
Gear Ratio		25.68	25.68	24.36	24.36
		0	0	2	2
Max. Working Sys. Pressure		bar			
		350			
Max. Output Torque		Nm			
		4000	4500	5560	6920
Rated Output Speed @Min. disp.		rpm			
		162		155	
Parking Brake Torque		Nm			
		5720	8840		

Schematic

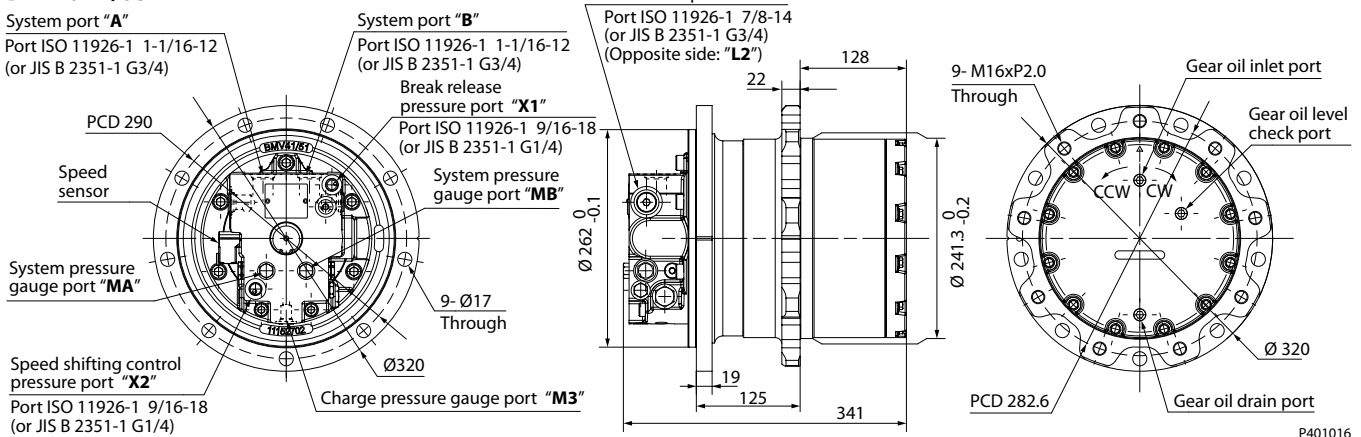


Dimension

BMV 028/032



BMV 041/051



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