

MP1 **28/32cm³**MP1 **38/45cm³****PHYSICAL PROPERTIES**

Features	Unit	Size			
		28	32	38	45
Displacement	cm ³	28.0	31.8	38.0	45.1

OPERATING PARAMETERS

Input Speed	Minimum	min-1	500	500
	Rated		3,400	3,300
	Maximum		4,000	3,900
System Pressure	Maximum Working Pressure*	bar	350	
	Maximum Pressure		380	
	Minimum Low Loop		10	
Case Pressure	Rated	bar	3	
	Maximum		5	

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

To learn more about complete hydraulic system solutions, contact your Danfoss representative or visit powersolutions.danfoss.com

MP1 Closed Circuit Axial Piston Pumps: Technical specs**Proven solutions** that put the **power** in your hands

The MP1 pump is the culmination of years of experience and products you know well. It captures the best in reliability, modularity and controllability of Danfoss proven pumps. Additionally, the MP1 pump has added features while maintaining a competitive package size. The result is a pump that is the right fit for the future.

Control options

- Electro-hydraulic control options include: Electrical Displacement Control (EDC), Forward-Neutral-Reverse (FNR)
- Manual displacement control (MDC)
- Common control across entire closed circuit hydrostatic family

Machine integration benefits

- Industry-leading pump length
- Clean side (no customer interface) for easier machine integration
- Metric and inch O-ring boss and split flange (38/45 cm³) system port interfaces
- Standard connection interfaces

Greater total efficiency

- Increased pump efficiency
- Lower control pressure for less power consumption

Modularity

- Common shaft, control, charge pump and auxiliary pad options
- Easy and quick conversion to the right configuration

Reliability

- Uniform design concept across frame sizes
- Single-piece housing minimizing leakages
- Technologically advanced rotating kit and servo system
- Predictable, low-friction bearing and swashplate interface for precise and safe machine control

Expanded functionality

- PLUS+1[®] compliant control and options
- Easy integration with Telematics
- Integrated flushing valve available (28/32 cm³)

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