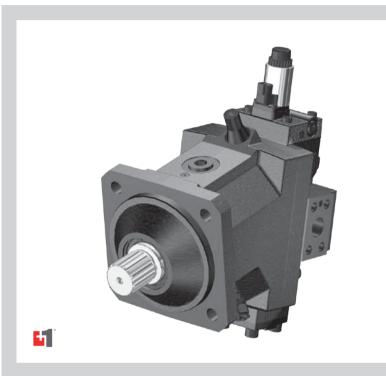


Data Sheet

H1-The new Generation of Hydrostatics 160 cm³ Bent Axis Variable Motor



Features

• Designed for quality and reliability

- Proven and optimized 9 piston rotating group
- Single piece housing
- Electric components with IP67 & IP69K rating

Installation and packaging benefits

- Optimized for shortest length
- Standardized connector interface
- Integrated loop flushing device
- Radial or axial high pressure ports

Optimized for electric control

- Electric Two-position Control
 - Pressure Compensator Override
 Proportional Pressure Compensator Override
- Brake Pressure Defeat option
- Electric Proportional Control
 - Pressure Compensator Override
 - Brake Pressure Defeat option

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.

H1 - our new generation of servo-controlled hydrostatic pumps and bent axis variable motors - is no exception.

The H1 range is built around an

advanced electrical control and available in a wide range of displacements. It is designed for quality and reliability and offers expanded functionality, greater total efficiency, and easy installation.

All H1 control and sensor options are PLUS+1 Compliant. PLUS+1 allows you to rapidly develop and customize electronic machine control. It opens up the future by combining machine controls and diagnostics in an integrated operating network.

- Common controls across the entire motor family
- Plus+1 Compliant control and sensor options

• Expanded functionality

- Zero degree capability in conjunction with unchanged
- 32 degree feature
- Enhanced control functions with proportional controls de-energized at minimum or maximum displacement
- Optional integrated speed sensor with
 Dual redundant speed sensing
 - Direction indication
 - Temperature sensing
 - Wire fault detection

Greater total efficiency

- Minimized losses
- Improved at high flow conditions



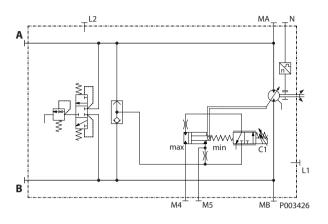
Technical Specifications

Physical Properties

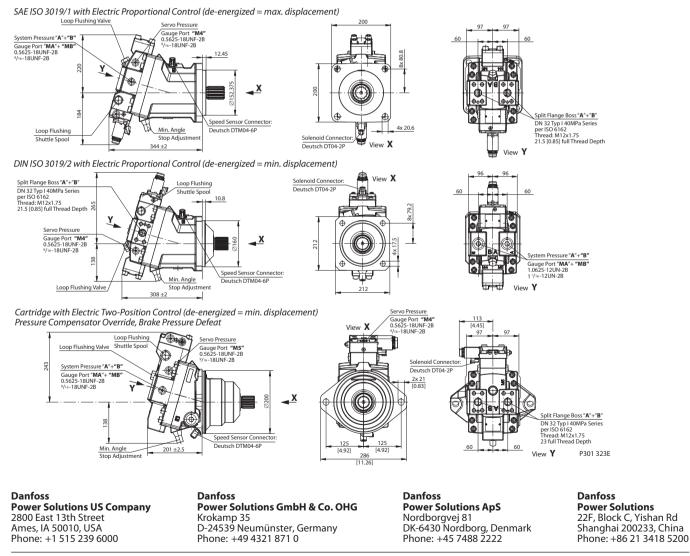
Features	Units	Size 160	
Displacement	cm ³ [in ³]	160 [9.76]	
Weight (with Electric Proportional Control)			
SAE ISO 3019/1	kg [lb]	61.9 [136]	
DIN ISO 3019/2		59.3 [131]	
Cartridge		54.7 [121]	
Operating Parameters			
Output Speed min-1 [rpm]	Rated	at max. displacement	2600
		at min. displacement (6°)	4250
		at 0° displacement	4750
	Maximum	at max. displacement	3300
		at min. displacement (6°)	5250
		at 0° displacement	5750
System Pressure bar [psi]	Working		450 [6527]
	Maximum		480 [6960]
	Min. low loop		7.5 [109]
Case Pressure bar [psi]	Rated		3 [44]
	Maximum		5 [73]
	Minimum		0.3 [4]

Schematic (example) Electric Proportional Control

(de-energized = max. displacement)



Installation Drawings



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