

Bredel Heavy Duty 40

Bredel Heavy Duty pumps



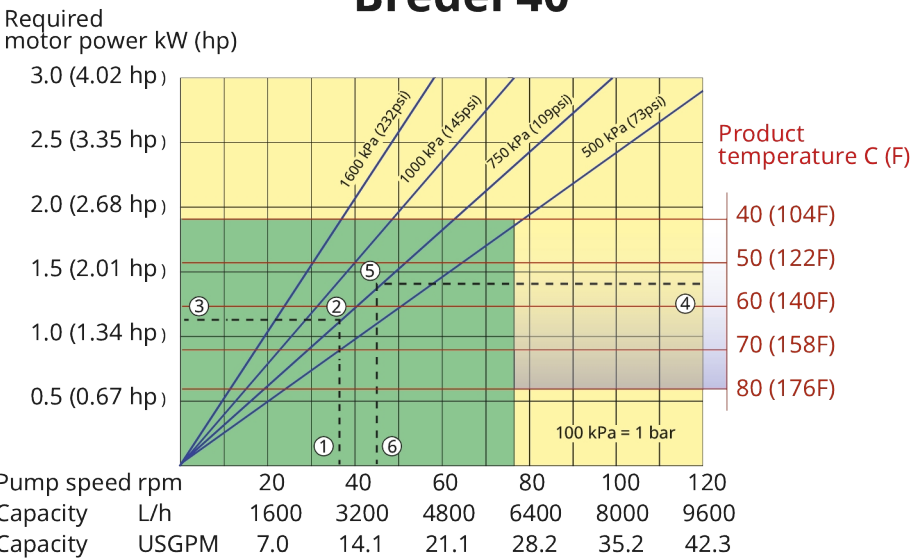
Features and benefits

- Heavy duty frame: designed for safer pump transportation, using a forklift truck
- Window guard: extra protection for the inspection window
- Reinforced brackets: more robust design, less risk of lubricant leakage, easier maintenance
- C4H paint: enhanced durability in highly corrosive environments



Bredel Heavy Duty 40 performance

Bredel 40



Note: The area of continuous operation diminishes with increased product temperatures. For product temperatures >40C, the area of continuous operation reduces to the corresponding red temperature line.

Technical specifications

	Bredel Heavy Duty 40
Max. flow rate continuous	5985 L/h (1579 USGPH)
Max. flow rate intermittent	9576 L/h (2527 USGPH)
Volume per revolution	1.33 l (0.35 USG)
Max. continuous operating speed	75 rpm
Max. intermittent operating speed	120 rpm
Max. operating pressure	16 bar (232 psi)
Max. inlet pressure	2.5 bar abs (38 psi abs)
Max. suction capability	9.5 mWC (374 inWC)
Suction capability (80% Flow rate)	9 mWC (354 inWC)
Operating temperature	-20 °C to 45 °C (-4 °F to 113 °F)
Fluid temperature	-20 °C to 80 °C (-4 °F to 176 °F)
Min. starting torque	320 N m (2832 in.lbs)
Weight	218 kg (480 lbs)
Heavy Duty bracket weight	5.5 kg
Heavy Duty bracket weight	12.1 lbs
Window guard weight	1.2 kg (2.6 lbs)
Hose lubricant required	5 l (1.32 USG)
Port configurations	Down, Left, Right, Up
Bearing configuration	2 std bearings
Compatible hose materials	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Flange assembly type	ANSI, DIN, JIS

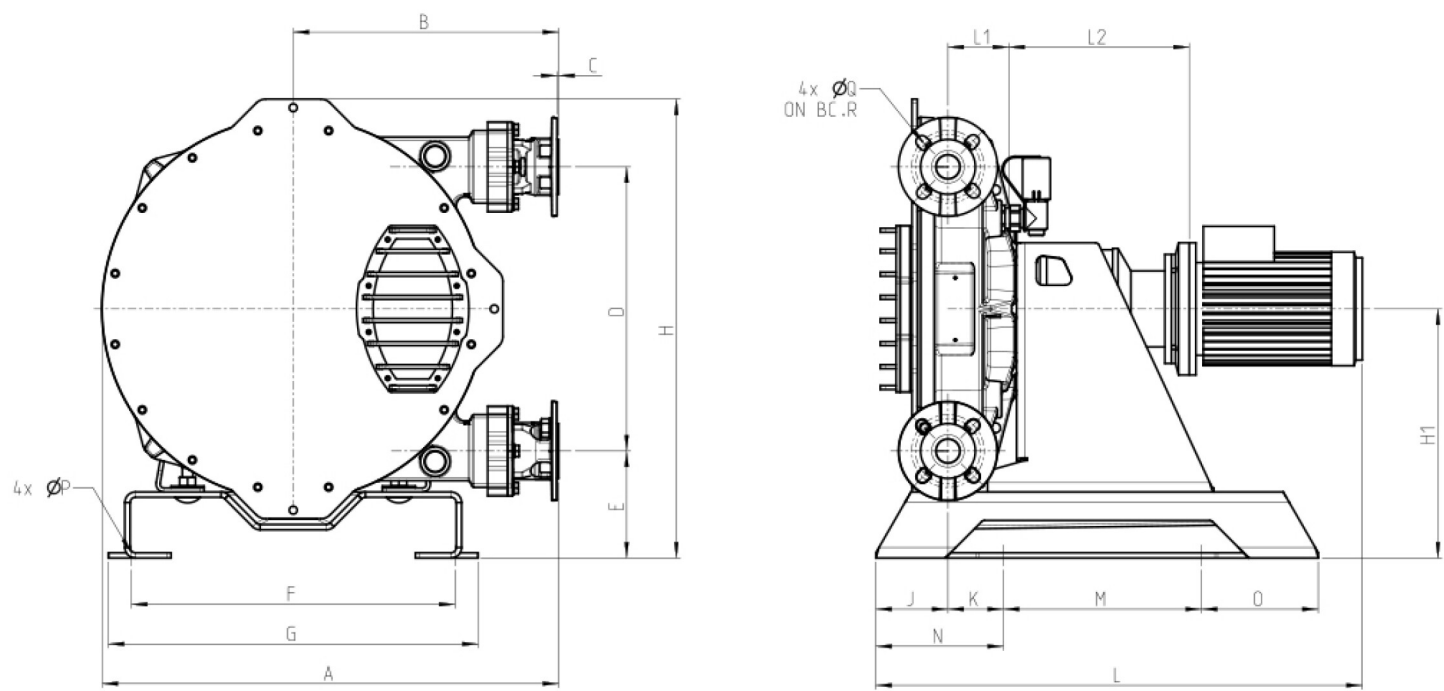
Please consult your Bredel representative for lower or higher temperature operation.

Allowable ambient temperature is based on pump capabilities and may be further limited by gearbox ambient capabilities.

Materials of construction

	Bredel Heavy Duty 40
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Housing	Cast iron, ISO12944 category C4H, ISO12944 category C4M, ISO12944 category C5M
Rotor assembly	Cast iron, ISO12944 category C4M
Cover assembly	Cast iron, ISO12944 category C4M
Brackets and fasteners	Cast iron, Galvanised steel, ISO12944 category C4M, Stainless steel 316
Support frame	Galvanised steel, ISO12944 category C4H, ISO12944 category C5M, Stainless steel 316
Coupling bush	Alloy steel
Seals	Neoprene, Nitrile, Thermoplastic polyurethane
Window guard	ISO12944 category C4H, Steel

Bredel Heavy Duty 40 dimensions



Type	A	B	C	D	E	F	G	H	H1	J	K	Lmax	L1	L2max	M	N	O	ØP	ØQ	R
Bredel 40 (mm)	692	402	2.5	430	162	490	560	695	377	109	84	942	91	301	300	193	177	18	18	110
Bredel 40 (inches)	27.2	15.8	0.09	16.9	6.4	19.3	22	27.4	14.8	4.3	3.3	37.1	3.6	11.9	11.8	7.6	7.0	0.71	0.71	4.3
Connector sizes									ANSI 150#				EN DIN				JIS			
Bredel 40									1.5"				40mm				40mm			

Disclaimer: The information contained in this document is believed to be correct at the time of publication, but Watson-Marlow Bredel BV accepts no liability for any error it contains, and reserves the right to alter specifications without prior notice. All mentioned values in this document are values under controlled circumstances at our test bed. Actual flow rates achieved may vary because of changes in temperature, viscosity, inlet and discharge pressures and/or system configuration. APEX, DuCoNite, Bioprene and Bredel are registered trademarks.



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