

# Bredel 65

Bredel hose pumps (65-2100)

**Bredel**

Hose Pumps

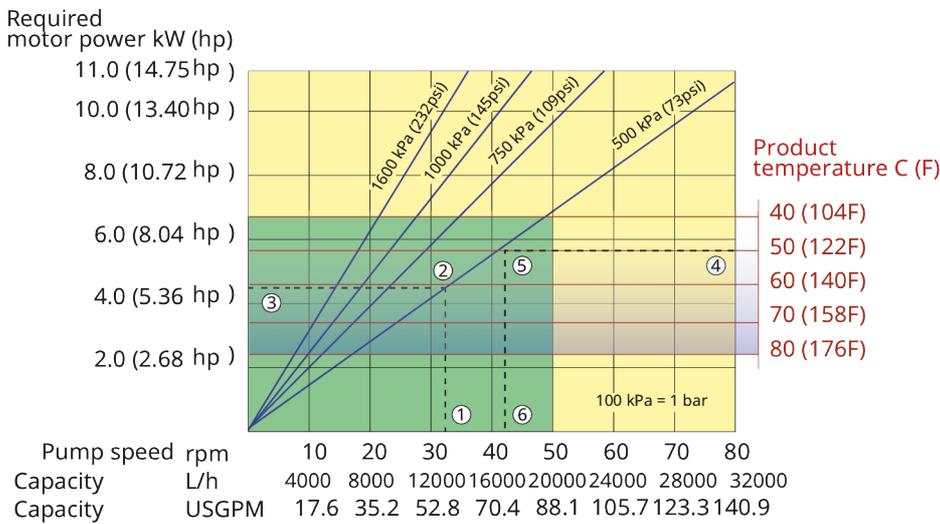
## Features and benefits

- Dry running and self-priming
- Suction capability up to 9.5 mWC (374 inWC)
- No seals, ball-checks, diaphragms, glands, immersed rotors, stators or pistons to leak, clog, corrode or replace
- Handles abrasive slurries, corrosive acids, gaseous liquids
- No slippage, allowing true positive displacement for accurate and repeatable metering
- No ancillary equipment, check valves, sealing water flush systems or run-dry protection required
- Fully reversible to blow out suction and drain lines safely



## Bredel 65 performance

### Bredel 65



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.

1. Flow required indicates pump speed
2. Calculated discharge pressure
3. Net motor power required
4. Product temperature
5. Calculated discharge pressure
6. Maximum recommended pump speed

- Continuous duty
- Intermittent duty

\* Maximum 3 hours operation followed by minimum 1 hour stop

## Technical specifications

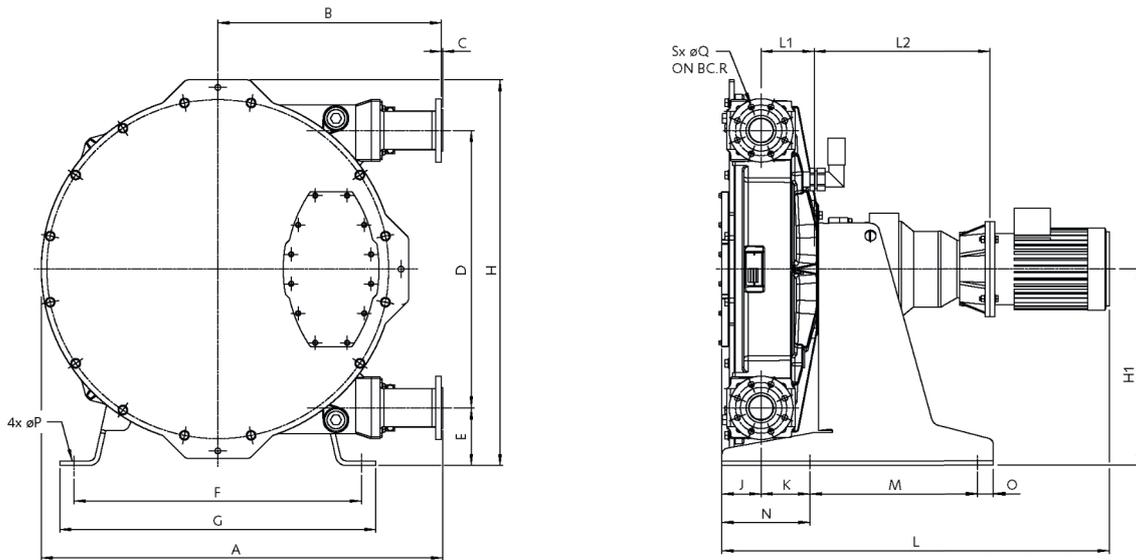
	<b>Bredel 65</b>
Max. flow rate continuous	5303 USGPH (20100 L/h)
Max. flow rate intermittent	8485 USGPH (32160 L/h)
Volume per revolution	1.77 USG (6.7 l)
Max. continuous operating speed	50 rpm
Max. intermittent operating speed	80 rpm
Max. operating pressure	232 psi (16 bar)
Max. inlet pressure	30 psi abs (2 bar abs)
Max. suction capability	374 inWC (9.5 mWC)
Suction capability (80% Flow rate)	315 inWC ( 8 mWC)
Operating temperature	-4 °F to 113 °F (-20 °C to 45 °C)
Fluid temperature	-4 °F to 176 °F (-20 °C to 80 °C)
Min. starting torque	10178 in.lbs (1150 N m)
Weight	1230 lbs (558 kg)
Hose lubricant required	5.28 USG (20 l)
Port configurations	Down, Left, Right, Up
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

	<b>Bredel 65</b>
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR Endurance, NR-Transfer
Housing	Cast iron, ISO12944 category C4M
Rotor assembly	Cast iron, ISO12944 category C4M
Cover assembly	Cast iron, ISO12944 category C4M
Brackets and fasteners	Galvanized steel, Stainless steel 316
Support frame	Galvanized steel, Stainless steel 316
Hose clamps	Galvanized steel, Stainless steel 316
Seals	Neoprene, Nitrile

## Bredel 65 dimensions



Type	A	B	C	D	E	F	G	H	H1	J	K	Lmax	L1	L2max	M	N	O	ØP	ØQ	R	S
Bredel 65 (mm)	1059	580	3	746	152	680	740	1036	525	104	137	1172	141	486	415	220	50	18	18	145	4
Bredel 65 (inches)	41.7	22.8	0.12	29.4	6	26.8	29.1	40.8	20.7	4.1	5.4	46.1	5.6	19.1	16.3	8.7	2	0.71	0.71	5.7	0.16
<b>Connector sizes</b>								<b>ANSI 150#</b>					<b>EN DIN</b>					<b>JIS</b>			
Bredel 65								2.5"					65mm					65mm			

## Product codes

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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