

CIP 32

Bredel CIP hose pumps 20-32

Bredel

Hose Pumps

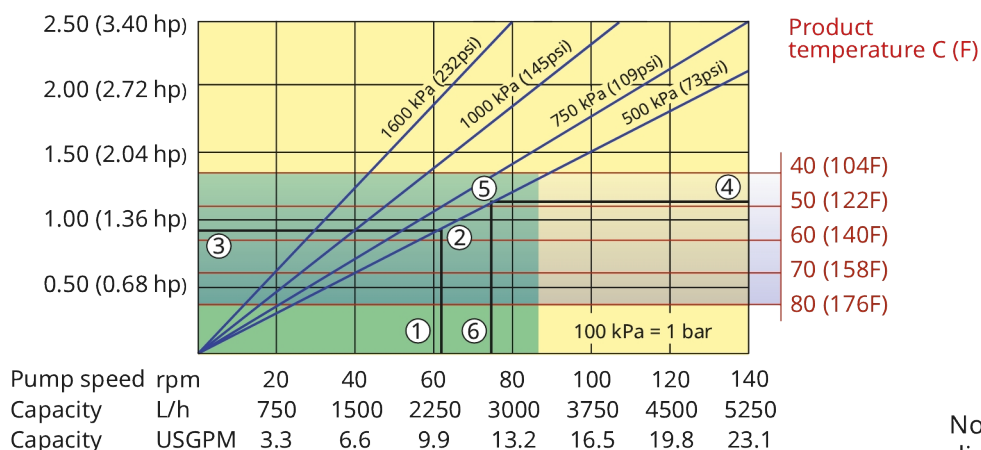
Features and benefits

- Enhanced hygiene: Meets all clean-in-place (CIP) requirements, ensuring system cleanliness
- Automated shoe retraction: Reverse the pump to retract shoes without manual work. Run the pump forward to effortlessly reengage shoes
- Reduced power usage: During cleaning, the CIP rotor allows the shoes to be retracted and the pump turned off
- Extended hose life: Reduce hose compressions, in particular, under high temperature/chemical cleaning process
- Retrofittable: Minimises investment costs by allowing easy rotor replacement



CIP 32 performance

Required
motor power kW (hp)



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.

- Flow required indicates pump speed
- Calculated discharge pressure
- Net motor power required
- Product temperature
- Calculated discharge pressure
- Maximum recommended pump speed

- Continuous duty
- Intermittent duty

* Maximum 3 hours operation followed by minimum 1 hour stop

Technical specifications

	CIP 32
Max. flow rate continuous	3200 L/h (844 USGPH)
Max. flow rate intermittent	5250 L/h (1385 USGPH)
Volume per revolution	0.625 L (0.165 USG)
Max. continuous operating speed	85 rpm
Max. intermittent operating speed	140 rpm
Max. operating pressure	16 bar (232 psi)
Max. inlet pressure	3 bar abs (44 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	210 N m (1859 in.lbs)
Weight	133 kg (293 lbs)
Pumphead weight	76 kg (168 lbs)
Rotor weight	13 kg (29 lbs)
Hose lubricant required	3.5 L (0.92 USG)
Port configurations	Down, Left, Right, Up
Pumping direction	Clockwise, Counterclockwise
Compatible hose materials	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Flange assembly type	ANSI, DIN, JIS
Sanitary connector options	DIN 11851, DIN 11864, IDF, RJT, SMS, Tri-clamp

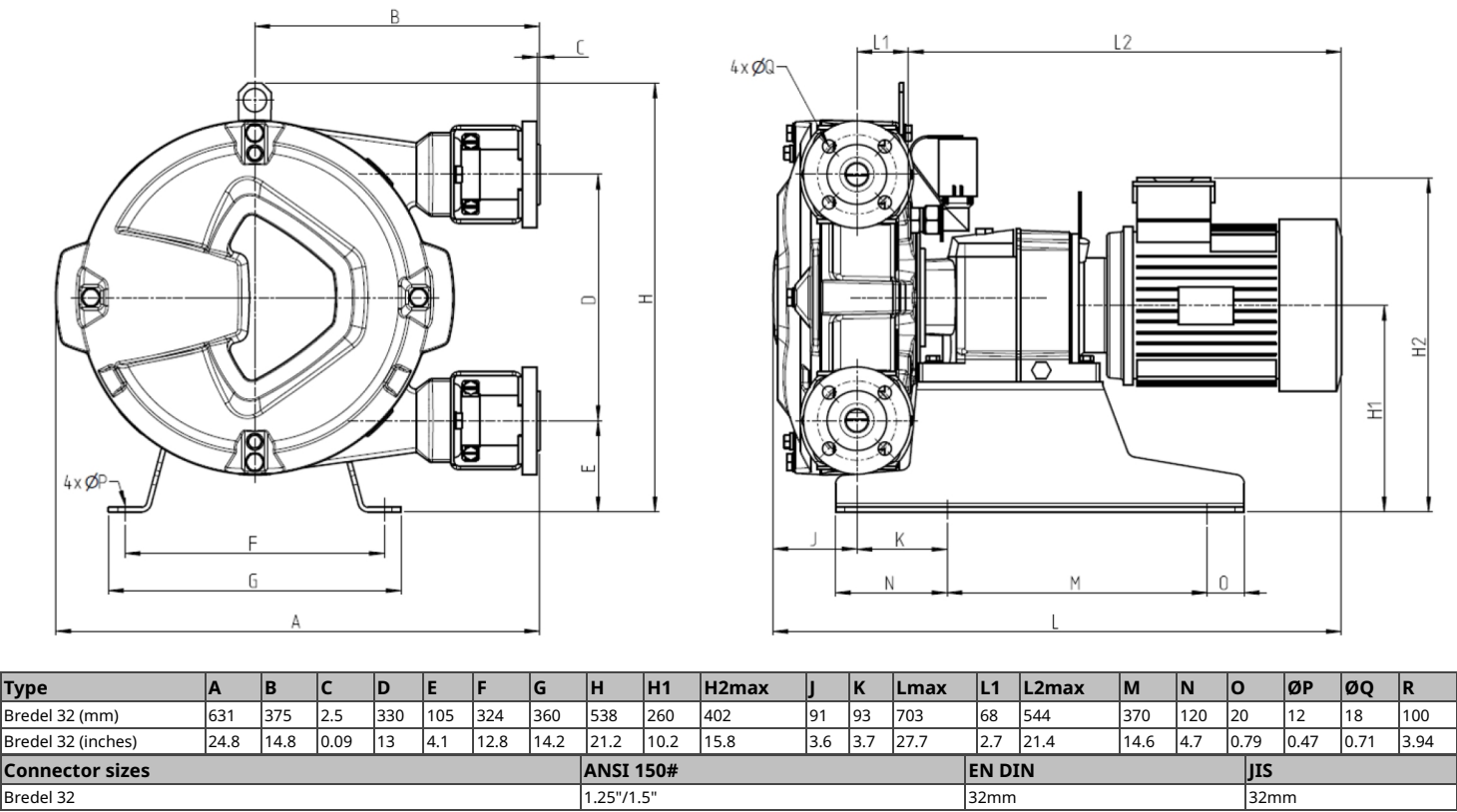
Please consult your Bredel representative for lower or higher temperature operation.

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

Materials of construction

	CIP 32
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, 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	Galvanised steel, Stainless steel 316
Support frame	Galvanised steel, Stainless steel 316
Hose clamps	Galvanised steel, Stainless steel 316
Coupling bush	Alloy steel
Seals	EPDM, NBR
Shoe material	Steel

CIP 32 dimensions



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