

Bredel 2100



Hose Pumps

Bredel hose pumps (65-2100)

Features and benefits

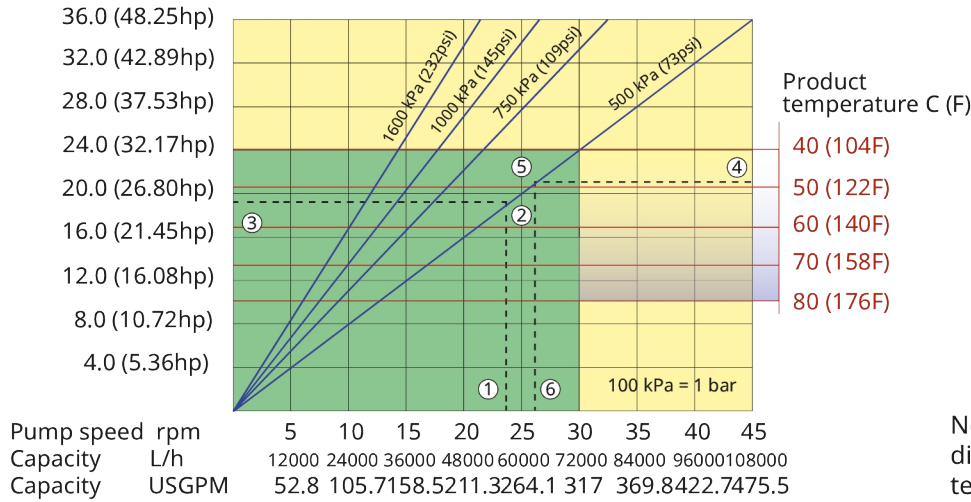
- Dry running and self-priming
- No seals, ball-checks, diaphragms, glands, immersed rotors, stators or pistons to leak, clog, corrode or replace
- Handles abrasive slurries, corrosive acids, gaseous liquids
- No slippage, allowing true positive displacement for accurate and repeatable metering
- No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



Bredel 2100 performance

Bredel 2100

Required motor power kW (hp)



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

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.

- Continuous duty
- Intermittent duty

* Maximum 3 hours operation followed by minimum 1 hour stop

Technical specifications

| | Bredel 2100 |
|-----------------------------------|---|
| Max. flow rate continuous | 72000 L/h |
| Max. flow rate continuous | 18997 USGPH |
| Max. flow rate intermittent | 108000 L/h |
| Max. flow rate intermittent | 28496 USGPH |
| Volume per revolution | 40 L |
| Volume per revolution | 10.57 USG |
| Max. continuous operating speed | 30 rpm |
| Max. intermittent operating speed | 45 rpm |
| Max. operating pressure | 16 bar |
| Max. operating pressure | 232 psi |
| Max. inlet pressure | 1.5 bar abs |
| Max. inlet pressure | 23 psi abs |
| Operating temperature range | -20 to 45 °C |
| Operating temperature range | -4 to 113 °F |
| Fluid temperature range | -20 to 80 °C |
| Fluid temperature range | -4 to 176 °F |
| Min. starting torque | 5300 N m |
| Min. starting torque | 46908 in.lbs |
| Weight | 5985 kg |
| Weight | 13195 lbs |
| Hose lubricant required | 120 L |
| Hose lubricant required | 31.7 USG |
| 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

| | Bredel 2100 |
|------------------------|---|
| 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 | Galvanized steel, Stainless steel 316 |
| Support frame | Galvanized steel, Stainless steel 316 |
| Hose clamps | Galvanized steel, Stainless steel 316 |
| Seals | Neoprene, Nitrile |

Bredel 2100 dimensions



| Type | A1 | A2 | B | C | D | E | F | G | H | ØQ | R | S |
|----------------------|----|------|-----|------|------|-----|------|------|------|------|-----|------|
| Bredel 2100 (mm) | * | 1516 | 813 | 3 | 1042 | 199 | 916 | 1218 | 1415 | 18 | 180 | 8 |
| Bredel 2100 (inches) | * | 59.7 | 32 | 0.12 | 41 | 7.8 | 36.1 | 48 | 55.7 | 0.71 | 7.1 | 0.31 |

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