

48 V Centrifugal Pump

4 kW · Single Pump · Datacenter & Industrial Applications

87 gpm

FLOW @ DUTY POINT

58 psi

DIFFERENTIAL PRESSURE

4 kW

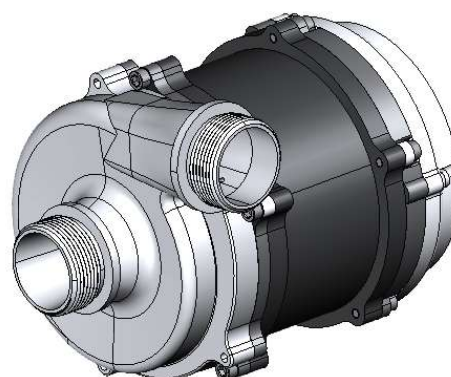
RATED POWER

48 V DC

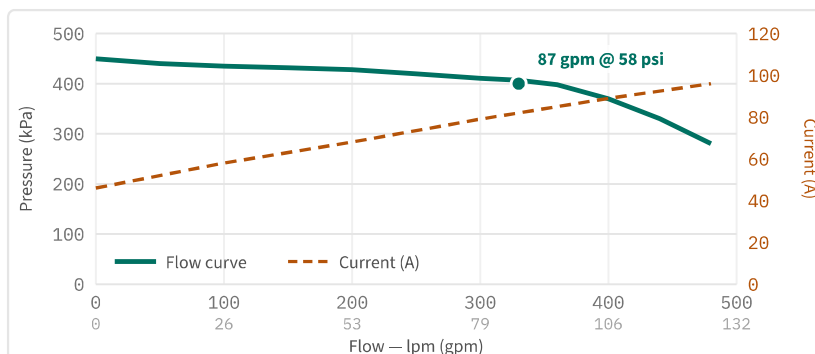
SUPPLY VOLTAGE

Compact 48 V centrifugal pump for datacenter liquid cooling and industrial applications. The sealless, stainless-steel wetted design delivers 87 gpm at 58 psi from an extremely compact envelope.

- **Extremely compact** — 206 mm (8.1 in) overall length
- **Sealless design** — no dynamic seals, no wear-based leak path
- **Stainless steel wetted components** — PG25 compatible
- **Modbus interface** — speed control and diagnostics
- **Scalable configuration** — different ports and orientations possible



48 V 4 kW centrifugal pump, single configuration

PERFORMANCE · SINGLE PUMP, 48 V, PG25**DIMENSIONS**

Overall length	206 mm / 8.1 in
Motor diameter	Ø 150 mm / 5.9 in
Fittings	BSPP-24

TECHNICAL DATA

Nominal flow	87 gpm (330 l/min)
Pressure @ duty point	58 psi (400 kPa)
Rated power	5.4 hp (4 kW)
Supply voltage	48 V DC
Rated current @ duty point	82 A

Coolant	PG25 and others
Wetted materials	Stainless steel, PPS
Sealing	No dynamic seals
Communication	Modbus
Design life	> 20,000 h
Overall length	206 mm (8.1 in)
Motor diameter	Ø 150 mm (5.9 in)
Fittings	BSPP-24

Protection functions: over-temperature, over-current, over-voltage, under-voltage, stall detection, dry-run detection, internal error monitoring. Preliminary data — subject to change. Performance measured with PG25 at 25 °C.