

Calio S Pro High-efficiency Circulator Pump

Maintenance-free high-efficiency screw-ended glandless pump, non-overloading synchronous motor with ECM technology, integrated continuously variable differential pressure control. Energy efficiency index (EEI) exceeds the ErP 2015 requirements. For heating and air-conditioning applications. Two-piece thermal insulation shell to EnEV (German energy saving regulations) (only for installation lengths \geq 180 mm) and KSB plug included in the scope of supply.

Operating modes:

- Constant-pressure control
- Proportional-pressure control
- Fixed speed operation with manual setpoint input

Functions:

- Manual setting of operating mode
- Manual setting of differential pressure setpoint
- Manual setting of constant speed curve
- Setback operation can be disabled/enabled
- Dynamic Control can be disabled/enabled in Proportional-pressure Control operating mode dp-v
- Alternating display of flow rate, head and electrical input power
- Error codes indicated on the display
- Soft start with limitation of starting current
- Manual deblocking option
- Manual venting via screw plug
- Integrated motor protection function

Operating data

Fluid handled:

Flow rate:

Head:

Fluid temperature:

Permissible fluid temperature min./max.: 2 to 95 °C

Maximum operating pressure: 10 bar

Ambient temperature max.: 40 °C

Motor/electronics

Energy efficiency index (EEI): \leq 0.2

Electromagnetic compatibility:

Interference emission: EN 55014-1, EN 61000-3-2, EN 61000-3-3

Interference immunity: EN 55014-2

Mains connection: 1~ (single-phase) 230 V AC \pm 10 %, 50/60 Hz

Power input P1:

Speed min. ... max.:

Current input max.:

Enclosure: IPX4D

Materials

Volute casing: grey cast iron with cathodic electrocoating (EN-GJL-200)

Impeller: polyether sulphone (PES)

Pump shaft: ceramics

Bearing: ceramics

Can: stainless steel 1.4301

Thermal insulation shells: polypropylene

Connection dimensions

Piping connection

Pump connection:

Nominal pressure class:

Overall length:

Purchase order information

Approx. net weight:

Make: KSB

Type: Calio S Pro

Material price group: 53

Material number

Typical Tender Calio S Pro

1157.522/07-EN

Subject to technical modification without prior notice

18 November 2022