

Calio Pro / Calio Pro Z

High-efficiency Heating Circulator



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| <ul style="list-style-type: none"> • Heating, ventilation, air-conditioning, cooling and circulation systems • One-pipe systems and two-pipe systems | <ul style="list-style-type: none"> • Underfloor heating systems • Boiler circuits or primary circuits • Storage tank circuits | <ul style="list-style-type: none"> • Solar power systems • Heat pumps |
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Calio Pro Z – flanged twin pump



Calio Pro Z – screw-ended twin pump

More information
www.ksb.com/en-de



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Benefits

■ Outstanding energy efficiency

- The pump is future-proof through optimised efficiencies and exceeds the requirements of the energy efficiency regulations.
- Dynamic Control makes for an average of 40 percent additional energy savings as compared with proportional-pressure control.

■ Easy to install and commission

- All operating modes, functions and setpoints can be set via buttons.
- Operating mode and setpoint can be configured in metres.
- Dual-pump operation and a venting function are integrated.
- The control panel can be locked if required.
- Fault messages are displayed clearly.

■ Dynamic Control

- The efficient Dynamic Control operating mode lowers energy costs.
- Undersupply in changing system conditions is practically ruled out.

■ Universal use

- The pump is ideal for replacing fixed-speed circulator pumps in larger buildings.
- One pump covers three pressure classes: PN6, PN10 and PN16.
- It provides for a broad application range for heating, ventilation, air conditioning, cooling and general recirculation systems.
- The glandless pump with continuously variable speed control is available with screwed or flanged ends.
- There are 25 sizes and 4 overall lengths.
- Dual-pump operation is integrated as standard for single pumps as well.

■ Integrated alarm handling

- Operating reliability is increased through built-in pump and motor protection equipment.
- Fault messages are indicated on the display and signalled as general fault messages via a relay.

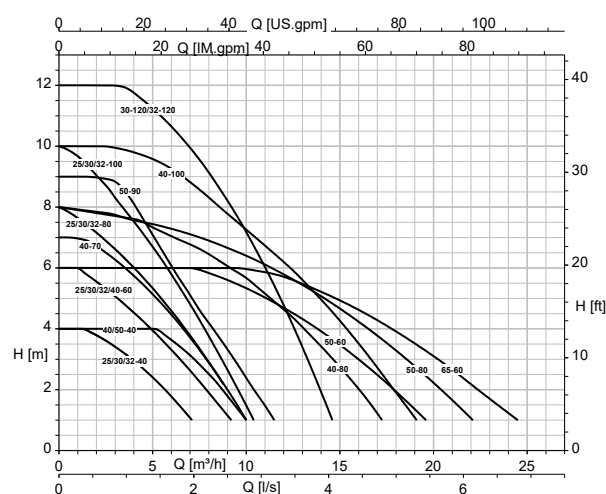
Connections and overall lengths

Calio Pro sizes	Piping connection	Overall length
25-40/60/80/100	R 1	180 mm
30-40/60/80/100/120	R 1 1/4	180 mm
32-40/60/80/100/120	DN 32	220 mm
40-40/60/70/80/90/100	DN 40	220 mm
50-40/60/80/90	DN 50	240 mm
65-60	DN 65	340 mm
Z 30-60/100	R 1 1/4	180 mm
Z 32-80/120	DN 32	220 mm
Z 40-80/100	DN 40	220 mm
Z 50-80	DN 50	240 mm

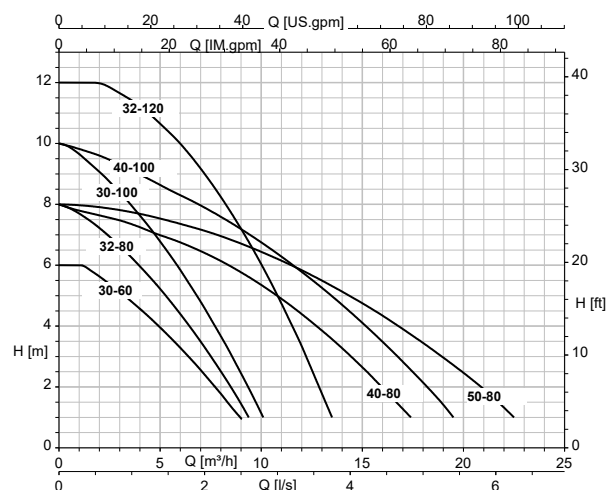
Operating data

Characteristic		Calio Pro	Calio Pro Z
		Value	
Flow rate	Q [m³/h]	≤ 24	≤ 22
	Q [l/s]	≤ 6,7	≤ 6,11
Head	H [m]	≤ 12	≤ 12
Fluid temperature	T [°C]	≥ -10	≥ -10
		≤ +110	≤ +110
Ambient temperature	T [°C]	≥ 0	≥ 0
		≤ +40 ¹⁾	≤ +40 ¹⁾
Operating pressure	p [bar]	≤ 16	≤ 16
Pressure class	PN [bar]	6/10/16	6/10/16
Average sound pressure level	[dB (A)]	< 40	< 40
Screw-ended connection	G	1 1/2 - 2	2
Flanged connection	DN	32 - 65	32 - 50

Calio Pro characteristic curves



Calio Pro Z characteristic curves



¹ Ambient temperature ≤ + 30 °C at a fluid temperature > 90 °C