SCS100P-3

Permanent Magnet Variable Frequency Multistage Stainless Steel Pump

The SCS100P-3 is the tallest-reaching pump Calliope makes: five stages from 0.55 to 1.5 kW lift water to 75 m, the highest in the range, at 115 to 165 L/min. It is also the largest multistage pump by flow, moving over double the SCS90P-3's 75 L/min through G 1.25-inch ports. Body, impeller and shaft are 100% stainless steel, with a ceramic shaft and bearing, and outlet pressure can reach inlet pressure plus 3.8 bar. Two buttons run it: the pump starts and stops itself as the household draws.
Energy: Holds energy saving at 60% or more versus a same-power conventional fixed-speed pump at the same flow/head duty point under constant-pressure conditions.

Key features

- Stainless steel precision-cast pump body with ceramic shaft and bearings for safe drinking water
- Maximum outlet pressure: inlet pressure + 3.8 bar
- Easy operation: automatic start/stop, only 2 buttons
- Intelligent diagnosis: alarms, self-checks and predicts faults under abnormal conditions

Technical data

TYPE	Power (kW)	Power (HP)	Current (A)	Qmax (L/min)	Hmax (m)	Suct. max (m)
Power 1	0.55	0.75	3.8	115	46	7
Power 2	0.75	1.0	5.1	125	58	7
Power 3	0.90	1.2	6.1	135	65	7
Power 4	1.1	1.5	7.2	145	75	7
Power 5	1.5	2.0	9.4	165	75	7

Working conditions

Pumped liquid	Clean, thin, non-solidifying, non-flammable and non-explosive liquid
Solids	No solid particles or fibres (smaller than 0.2 mm)
Max. working pressure	10 bar
Liquid temperature	5–70 °C, pH 6.5–8.5
Ambient temperature	0–40 °C, RH max. 85%
Noise	Water-cooled, fanless, low-noise operation

Installation

Model	Inlet	Outlet	a	b	c	d	e	f	g	h
SCS100P-3	G 1.25"	G 1.25"	256	102	102	146	120	8	82	240

Packing

Packing	Carton with Plywood Tray
Carton size	27 × 19.5 × 28 cm

The specification confirmed for an order is the one stated in the order confirmation.

Applications

- Villa & Multi-Storey Homes
- Rooftop Tank & Water Tower Boosting
- HVAC System

Fujian Calliope Pumps Co., Ltd. — For quotations, OEM/ODM projects and distributor applications, contact the export team at cason@calliopepump.com or via WhatsApp +86 178 0591 6566. See the full model page at www.calliopepump.com/products/scs100p-3.

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