SPS-90

Intelligent VFD Booster Pump

The SPS-90 is the quietest pump in the Calliope range, built for apartments and small homes where the pump sits close to living and sleeping rooms. Five selectable power stages, from 0.18 to 0.38 kW, cover 47 to 60 L/min and 17 to 32 m of head, so one model replaces several fixed-speed sizes. A water-cooled, fanless permanent magnet motor, a ceramic shaft and a ceramic bearing hold noise to 40 dB or less at 1 m, while 7 m of suction lift lets the pump draw from a tank below it.

Energy: Saves 60% or more energy than a same-power conventional fixed-speed pump at the same flow/head duty point under constant-pressure conditions.

Key features

- Smart size, higher efficiency and bigger flow with super quiet operation
- Intelligent diagnosis and alarm with constant pressure and failure protection
- Permanent magnet and frequency conversion technology for energy saving operation
- Automatic voltage adjustment and five stages to suit actual demand
- Advanced ceramic shaft and bearing built for a longer service life

Technical data

Stage	Power (kW)	Power (HP)	Current (A)	Qmax (L/min)	Hmax (m)	Speed (rpm)	Suction (m)
Stage-1	0.18	0.25	1.45	47	17	5000	7
Stage-2	0.23	0.30	1.8	51	21	5000	7
Stage-3	0.28	0.38	2.0	55	25	5000	7
Stage-4	0.33	0.45	2.4	58	27	5000	7
Stage-5	0.38	0.50	2.7	60	32	5000	7

Working conditions

Liquid temperature	5 - 70 °C
Ambient temperature	5 - 40 °C
pH value	6.5 - 8.5
Max working pressure	10 bar
Noise	≤ 40 dB at 1 m
Media properties	Thin, clean, non-aggressive liquid

Packing

Packing	Carton
Inlet / outlet	Dna G3/4 inch, Dnm G3/4 inch
Body size (a x d x g x h)	250 x 190 x 68 x 196 mm
Gross weight	5.4 kg

Applications

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

- Whole-House Boosting
- Villa & Multi-Storey Homes
- Rooftop Tank & Water Tower Boosting

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/sps-90.

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