ICP102-50

Intelligent Centrifugal Pump

The ICP102-50 is the volume pump of the range: it moves 280 to 500 L/min, more than double the flow of any other model, through 2-inch ports — the only 2-inch connections Calliope offers. Five power stages from 0.35 to 1.5 kW cover 10.5 to 28 m of head, trading height for flow exactly as irrigation, hotels and farms need. A cast-iron body, a copper impeller and a 13 kg frame suit fixed installation, and the pump runs on standard single-phase 170–250 V.

Energy: At the same flow/head duty point under constant-pressure conditions, it uses 60% or more less energy than a same-power conventional fixed-speed pump.

Key features

- Wide voltage 170 - 250 V, 50 - 60 Hz for stable performance
- Smaller, lighter, more efficient with a larger flow range
- Two button operation with automatic start and stop
- Intelligent fault diagnosis with alarm and fault prediction
- Permanent magnet motor for lower noise and higher efficiency
- Higher flow capability for larger households and plant rooms

Technical data

Power	Power (kW)	HP	Current (A)	Qmax (L/min)	Hmax (m)
Power-1	0.35	0.48	2.5	280	10.5
Power-2	0.65	0.85	4.5	350	16
Power-3	0.98	1.3	6.6	400	20
Power-4	1.28	1.7	8.5	440	25
Power-5	1.5	2.0	10.5	500	28

Working conditions

Media	Thin, clean, non-solidifying, non-flammable liquid
Solids	No particles or fibres larger than 0.2 mm
Liquid temperature	5 - 70 °C, pH 6.5 - 8.5
Ambient temperature	0 - 40 °C, humidity up to 85%
Max working pressure	10 bar

Installation

Model	Inlet	Outlet	a	b	d	e	f	g	h	Net weight
ICP102-50	2 inch	2 inch	237	41	172	141	11	82	230	13 kg

Packing

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

Packing	Carton with plywood tray
Carton size	26 x 21.5 x 26 cm
Net weight	13 kg

Applications

- Villa & Multi-Storey Homes
- HVAC System
- 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/icp102-50.

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