PB320EA

Permanent Magnet Booster Pump

The PB320EA is the outdoor pump of the range, and the lightest mains-powered model at 3 kg. Its protective casing suits outdoor installation, and its 160–265 V input — the widest voltage range in the range — rides through weak grids. Three settings from 0.09 to 0.14 kW cover 38 to 46 L/min and 20 to 32 m of head, with auto and manual modes for different pressures. It keeps noise as low as 35 dB (standard ≤40 dB at 1 m).
Energy: Saves 42% or more energy than a same-power conventional fixed-speed pump at the same flow/head duty point under constant-pressure conditions.

Key features

- Three power settings on one pump: 0.09 kW, 0.12 kW and 0.14 kW
- Single-phase AC 160–265 V, 50–60 Hz wide voltage supply
- Outdoor installation supported, with a fully protective casing
- Noise as low as 35 dB, standard ≤ 40 dB at 1 m
- Saves over 42% electricity versus traditional electric pumps
- Intelligent start and stop prevents frequent cycling
- Corrosion-resistant treatment on the castings

Technical data

Power	Power (kW)	Power (HP)	Current (A)	Qmax (L/min)	Hmax (m)	Suct. max (m)
Power 1	0.09	0.12	0.44	38	20	6
Power 2	0.12	0.16	0.57	43	27	6
Power 3	0.14	0.18	0.66	46	32	6

Working conditions

Max. ambient temperature	+40 °C
Max. liquid temperature	+50 °C
Insulation class	Class B
Protection	IP44
Working mode	S1
Pumped liquid	Clean water or a non-corrosive liquid without solid particles
Installation	Outdoor installation supported
Noise	as low as 35 dB, standard ≤ 40 dB at 1 m

Installation

Model	Inlet	Outlet	a	b	c	d	e	Gross weight
PB320EA	3/4"	3/4"	123	180	150	103	103	3 kg

Packing

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

Packing	Carton with Plywood Tray
Carton size	29.5 × 21 × 20.8 cm
Gross weight	3 kg

Applications

- Whole-House Boosting
- Garden Irrigation
- 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/pb320ea.

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