PYS-E

Permanent Magnet Multistage Booster Pump

The PYS-E family covers villa and duplex circulation boosting in three sizes sharing one footprint: 0.45 kW for 30 m, 0.55 kW for 42 m and 0.75 kW for 56 m, at 67, 70 and 82 L/min through 25 mm ports. A stainless body suits hot-water boosting on mains, rooftop-tank and hot-water lines. It is not self-priming — the pump sits flooded — and it can be built for 110 V / 60 Hz or 170–220 V, serving the Americas as well as 220 V markets.
Energy: Needs 60% or more less energy than a same-power conventional fixed-speed pump at the same flow/head duty point under constant-pressure conditions.

Key features

- Energy saving with variable speed control
- Constant pressure at every outlet
- Ultra-silent operation for comfortable living
- Easy installation with compact body
- CE marking for European market access, verified by ECM, Certificate No. 0P230414.FMEUN01
- Permanent magnet frequency conversion with intelligent control

Technical data

Model	Power (kW)	HP	Hmax (m)	Qmax (L/min)	Impellers	Speed (rpm)	DN	a	b	c	d	e	Packing L	Packing W	Packing H	G.W (kg)
PYS-450E	0.45	0.6	30	67	3	4800	25	251	227	196	70.5	102.5	293	198	229	5.6
PYS-550E	0.55	0.7	42	70	4	4800	25	251	227	196	70.5	102.5	293	198	229	5.7
PYS-750E	0.75	1.0	56	82	4	5600	25	251	227	196	70.5	102.5	293	198	229	6.1

Working conditions

Maximum liquid temperature	4 - 55 °C
Maximum ambient temperature	0 - 80 °C
pH value	6.5 - 8.5
Insulation grade	F
Protection class	IPX4
Media properties	Clean water and other low viscosity non-aggressive liquid

Installation

Model	DN	DNM	a	b	c	d	e	Packing (mm)	G.W (kg)
PYS-450E	25	25	251	227	196	70.5	102.5	293 x 198 x 229	5.6
PYS-550E	25	25	251	227	196	70.5	102.5	293 x 198 x 229	5.7

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

Model	DN	DNM	a	b	c	d	e	Packing (mm)	G.W (kg)
PYS-750E	25	25	251	227	196	70.5	102.5	293 x 198 x 229	6.1

Packing

Packing	Carton with protective insert
Carton size	293 x 198 x 229 mm
Voltage	Customizable: 110 V / 60 Hz, or 170 - 220 V / 50 Hz or 60 Hz

Applications

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

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/pys-e.

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