

Wilo-PB



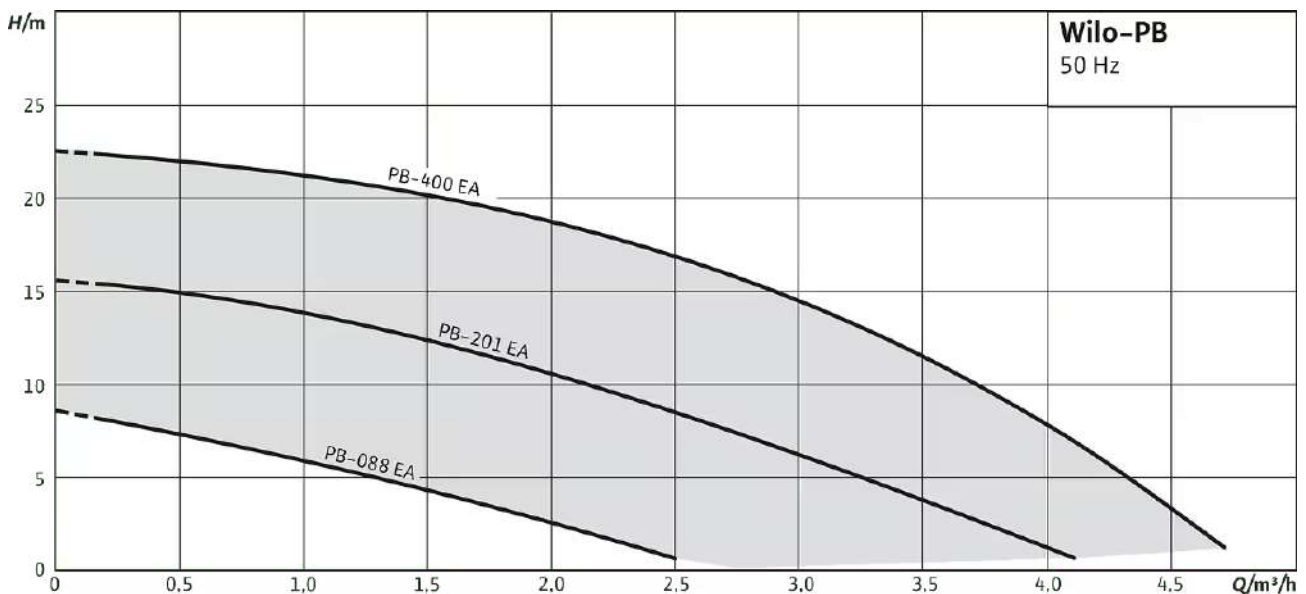


Safe and stable pressure boosting for the residential environment.

The Wilo-PB is a non-self-priming, single-stage centrifugal pump for automatic water supply and pressure boosting. It is suitable for the descending installation of roof-mounted water tanks (e.g. elevated tanks) to the extraction points of the water supply below in semi-detached/detached houses. It is the ideal pump for low or fluctuating water pressure within public water supply networks. Thanks to automatic mode, it always ensures stable water pressure.

Your advantages

- > Dry-running protection for high operational reliability
- > High reliability thanks to automatic mode and corrosion protection through coated hydraulics
- > Standardised design for easy installation
- > Compact design and low-noise operation (55 dBA) for domestic applications
- > Low power consumption thanks to automatic control



Design

Circulating pump

Application

- > Residential pressure boosting from a water tank

Equipment/function

- > Directly flanged motor
- > Thermal motor protection switch for 1~230V version
- > Flow sensor for automation of versions PB-...A
- > Flow sensor, Pressure switch and pressurized tank for automation and protection of versions PB-...S...A

Typekey

Example:

PB for Pump Boosting

S for plastic, C for coating

25*10 = 250W

2 for third generation

**S for small, N for normal
and L for large**

E for 50Hz, M for 60Hz

A for automatic

Wilo-PB-S252SMA

Pump type

Functional or material
characteristic

Output/10

Serie number

Tank size

Frequency

Automatic device

Technical data

- > Mains connection 1~230 V, 50 Hz (for ...E versions)
- > Mains connection 1~220 V, 60 Hz (for ...M versions)
- > Connection (pressure and suction side): from ¾" up to 1 ¼" – Depending on the models
- > Fluid temperature from 5°C to +80°C [for PB-(S)...A]
- > Fluid temperature from 5°C to +60°C [for PB-...S...A]
- > Ambient temperature from 0°C to +40°C
- > Storage temperature from -20°C to +60°C
- > Max. inlet pressure: From 0.45 bars up to 1.0 bars – Depending on the models
- > Max. outlet pressure: From 1.35 bars up to 3.1 bars – Depending on the versions
- > Switch-on flow: 2l/min (only for PB-(S)...A)
- > Switch-on pressure: 0.8 bars for PB-250SEA / 1.1 bars for PB-401SEA
- > Switch-off flow: 2l/min for PB-(S)...A versions
- > Switch-off flow: 5l/min for PB-...S...A versions
- > Protection class 1~: IP X4

Materials

- > Pump housing: EN-GJL-200 for PB-...A and PB-...S...A
- > Pump housing: mPPO GF30 for PB-S...A
- > Impeller: mPPO GF30 and mPPO GF20 (depending on versions)
- > Terminal box cover: ABS
- > Impeller cover: Brass
- > Shaft: Stainless steel 1.4006
- > Mechanical seal: Carbon/ Ceramic

Scope of delivery

- > Pump
- > Installation and operating instructions
- > Accessory assembly (2 sets of unions, nipple, gasket for piping, for PB-201EA & PB-350MA only)

Product list

| Product description | Mains connection | Rated power P_2 | Gross weight, approx. m | Article number |
|---------------------|------------------|-------------------|---------------------------|----------------|
| PB-088EA | 1~230 V, 50 Hz | 0.06 kW | 5.5 kg | 3068133 |
| PB-201EA | 1~230 V, 50 Hz | 0.2 kW | 9.5 kg | 3068136 |
| PB-400EA | 1~230 V, 50 Hz | 0.4 kW | 12.5 kg | 3068138 |

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