

TECNOBOOST 8

Permanent Magnet Variable Frequency Multistage Pumps 50/60Hz

PRODUCT CATALOGUE



PRODUCT OVERVIEW

Optimum Water Pressure

Product Description

TECNOBOOST 8 is intelligent water pump assembled with high efficiency permanent magnet motor and variable frequency converter in one smart compact design to provide constant pressure boosting for residential & commercial water applications.

It is designed to increase water pressure from roof tank, break tank, ground tank, city mains and shallow wells.

Applications

TECNOBOOST 8 is an ideal solution for boosting water pressure in:

- Residential buildings.
- Commercial buildings include office buildings, shopping malls, hotels, hospitals, retail spaces, warehouses and more.
- Irrigation.

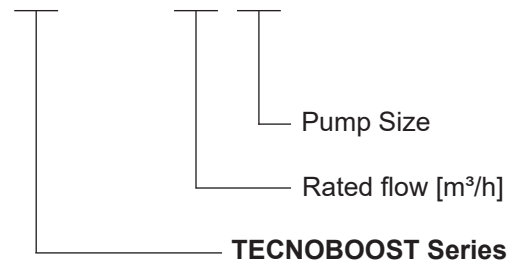
Key Features:

- Intelligent operation, variable speed control.
- Smart Compact Design
- Low-noise operation.
- Air-cooled permanent magnet motor.
- Self-priming up to 8m.
- Energy saving thanks to integrated inverter technology.
- Built-in pressure tank reduces the number of starts & stops.
- High-quality components.
- Multiple protection including dry-run protection.
- Plug and play, quick to install.
- Easy to use LED display control panel with push buttons.
- Stainless steel configuration.



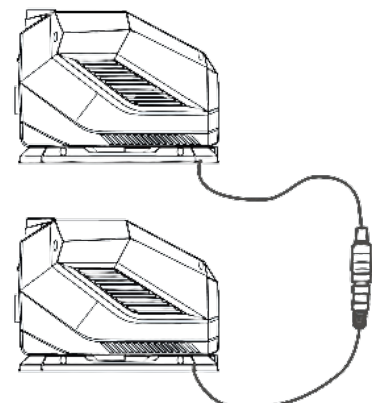
Model Description

TECNOBOOST 8 - 6



Twin Pump Setup

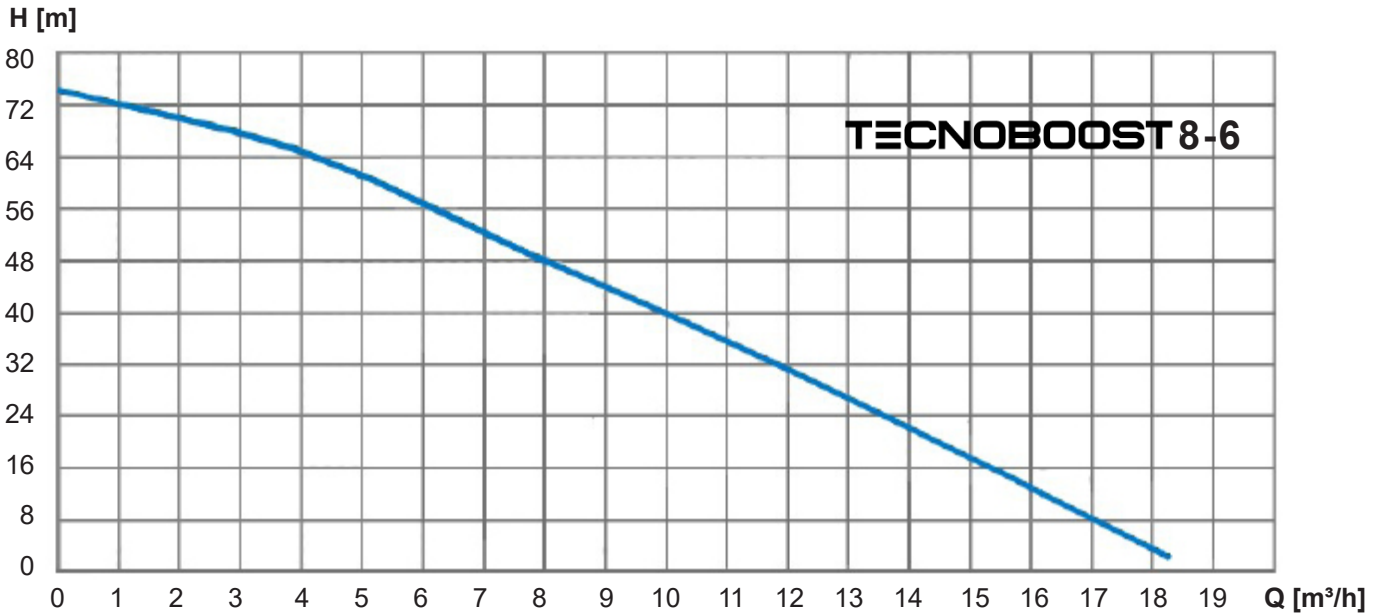
2 pumps can be connected together in parallel to operate as one pump set with (1duty+1assist) configuration. The water suction pipe should be DN65 and discharge pipe should be DN50 or above. (You can connect upto maximum 06 pumps per pump set to work together).



PERFORMANCE CURVE

High Efficiency

Performance Curve



Operating Data

Product Model	Max. Flow [m³/h]	Max. Head [m]	Rated Flow [m³/h]	Rated Head [m]	Max. Suction Head [m]
TECNOBOOST 8-6	18.5	70	8	48	8

Electrical Data

Product Model	Voltage [V]	Frequency [Hz]	Rated Power [kW]	I max [A]
TECNOBOOST 8-6	220/380	50 - 60	2.2	14.9

TECHNICAL DATA

Modern & Reliable

Technical Data

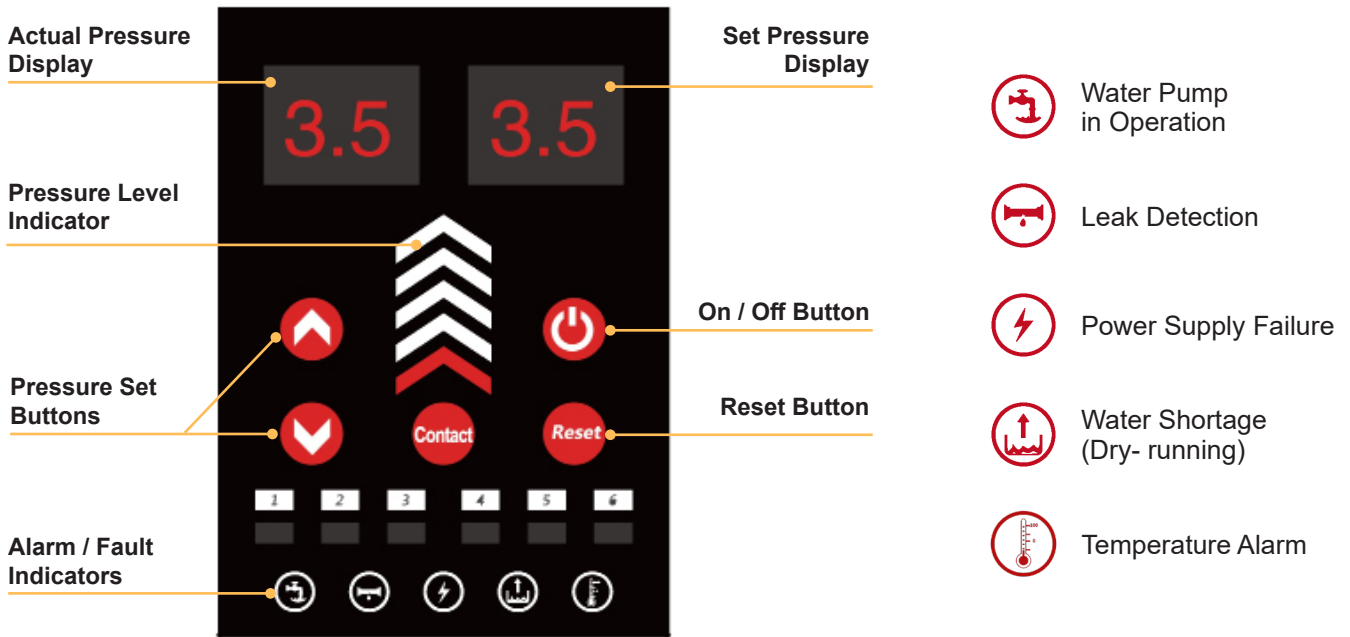
Product Model	TECNOBOOST 8-6
Pump type	Centrifugal, Multistage Pump
Pumped fluid	Clean Water (non-aggressive, free of solids)
Pump control	Variable Speed
Max. system pressure	10 bar
Max. inlet pressure	4 bar
Maximum suction lift	8 m
Min / Max. ambient temperature	4 °C / 55 °C
Max fluid temperature	75 °C
Noise level	≤ 52 db(A) in typical use
Protection class	IPX4
Inlet / Outlet Diameter	G 2" (Female)
Installation	Horizontal Installation
Power cable length	1.5 m

Motor Data

Motor	Permanent Magnet Motor
Max speed	5200 rpm
Winding	Copper
Motor duty	S1 (Continuous Operation)
Motor dooling	Air-cooled
Insulation Class	F

INTELLIGENT OPERATION

Friendly user control panel



Permanent magnet frequency conversion



Low-noise operation



Energy saving & Environment protection



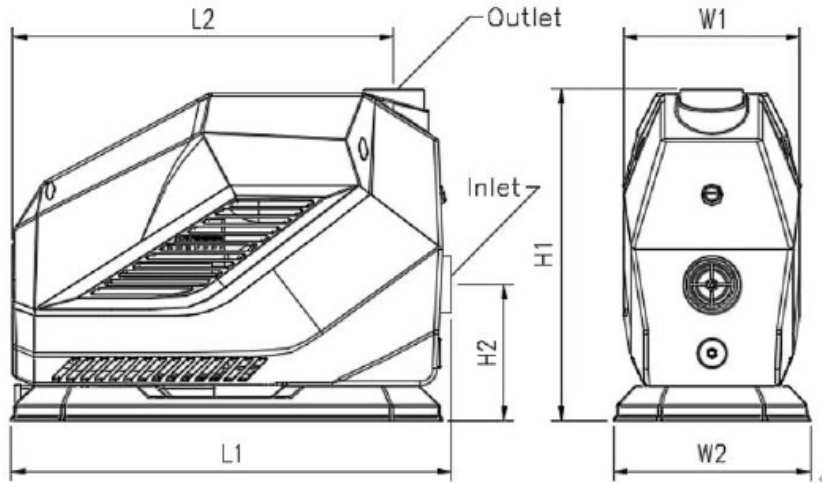
Multiple protection



Intelligent operation

DIMENSIONAL DRAWING

Compact Design



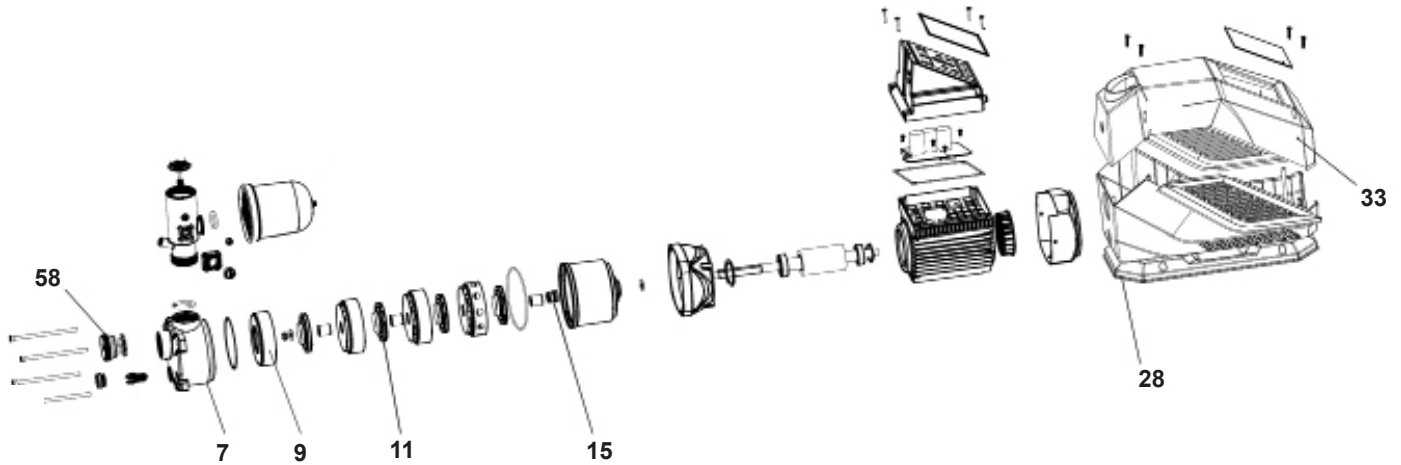
Product Model	Nominal Diameter		Length		Width		Height		Net Weight
	Inlet [mm]	Outlet [mm]	L1 [mm]	L2 [mm]	W1 [mm]	W2 [mm]	H1 [mm]	H2 [mm]	Kg
TECNOBOOST 8-6	50	50	499	434	199.5	223	375	153.5	24.6

TECNOBOOST 8 monitors the water pressure in real-time and automatically adjust it to meet the water demand. Thanks to inverter technology, the pump draws only the necessary power according to water requirements allowing considerable energy savings.



EXPLODED VIEW

Main Parts



Part Number	Description	Material	Part Number	Description	Material
7	Pump body	AISI304	28	Baseplate	Composite
9	Stage Chamber	AISI304	33	Upper shell	Composite
11	Impeller	AISI304	58	Check valve (Inlet)	Composite
15	Shaft seal	Carbon/Ceramic			

Order Information

Product Model	TECNOBOOST 8-6
Product Number	216010
Packaging Dimensions	580 x 275 x 430 mm
Gross weight	26 kg
Warranty	1 Year

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