

# **TECNOBOOST 5**

## **Permanent Magnet Variable Frequency Multistage Pumps 50/60Hz**

**PRODUCT CATALOGUE**



# PRODUCT OVERVIEW

## Optimum Water Pressure

### Product Description

TECNOBOOST 5 is an 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 domestic, residential and light commercial water applications.

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



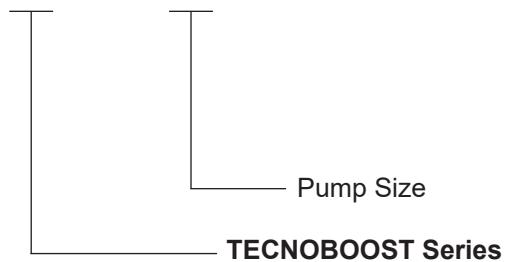
### Applications

TECNOBOOST 5 is an ideal solution for boosting water pressure in:

- Single family house, apartments, villas, townhomes.
- Small residential buildings (with max. 3 floors & 10 outlets)
- Light commercial applications.

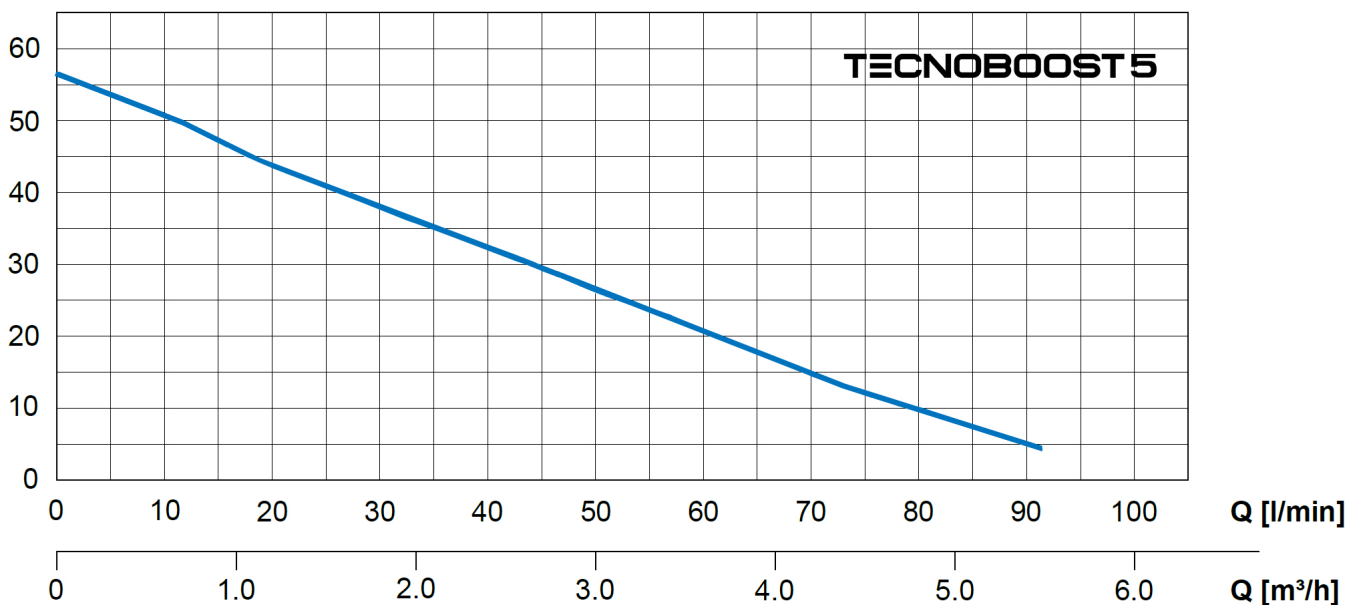
### Model Description

#### TECNOBOOST 5



### Performance Curve

H [m]



# FEATURES & ADVANTAGES

Innovation is our beating heart

## Key Features:

- Intelligent operation, variable speed control.
- Smart compact design makes installation possible in tight spaces.
- Low-noise operation.
- Air-cooled permanent magnet motor.
- Self-priming up to 8 m.
- 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.

## Material of Construction:

Pump body: Stainless Steel  
 Impeller: PPO  
 Shaft: Stainless Steel  
 Mechanical seal: Carbon/Ceramic

## Marking & Certification





Permanent magnet frequency conversion



Low-noise operation



Energy saving & Environment protection



Multiple protection

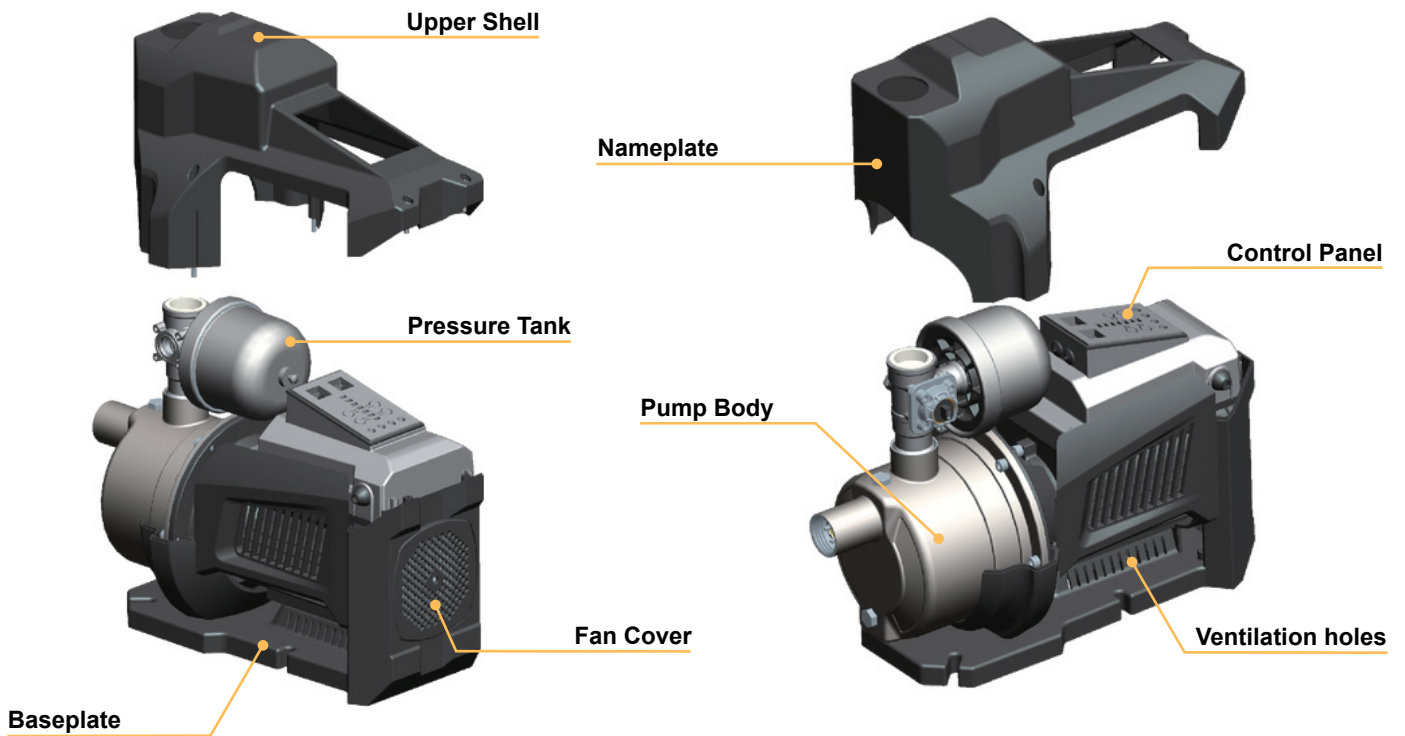


Intelligent operation



# PRODUCT OVERVIEW

High Efficiency



## Operating Data

Rated Input Power [W]	Max. Flow [m <sup>3</sup> /h]	Max. Head [m]	Rated Flow [m <sup>3</sup> /h]	Rated Head [m]	Max. Suction Head [m]
680	5.5	56	3	27	8

## Electrical Data

Product Model	Voltage [V]	Frequency [Hz]	Rated Input Power [W]	I max [A]
TECNOBOOST 5	1 x 220~240	50 - 60	680	5.3

# TECHNICAL DATA

## Modern & Reliable

### Technical Data

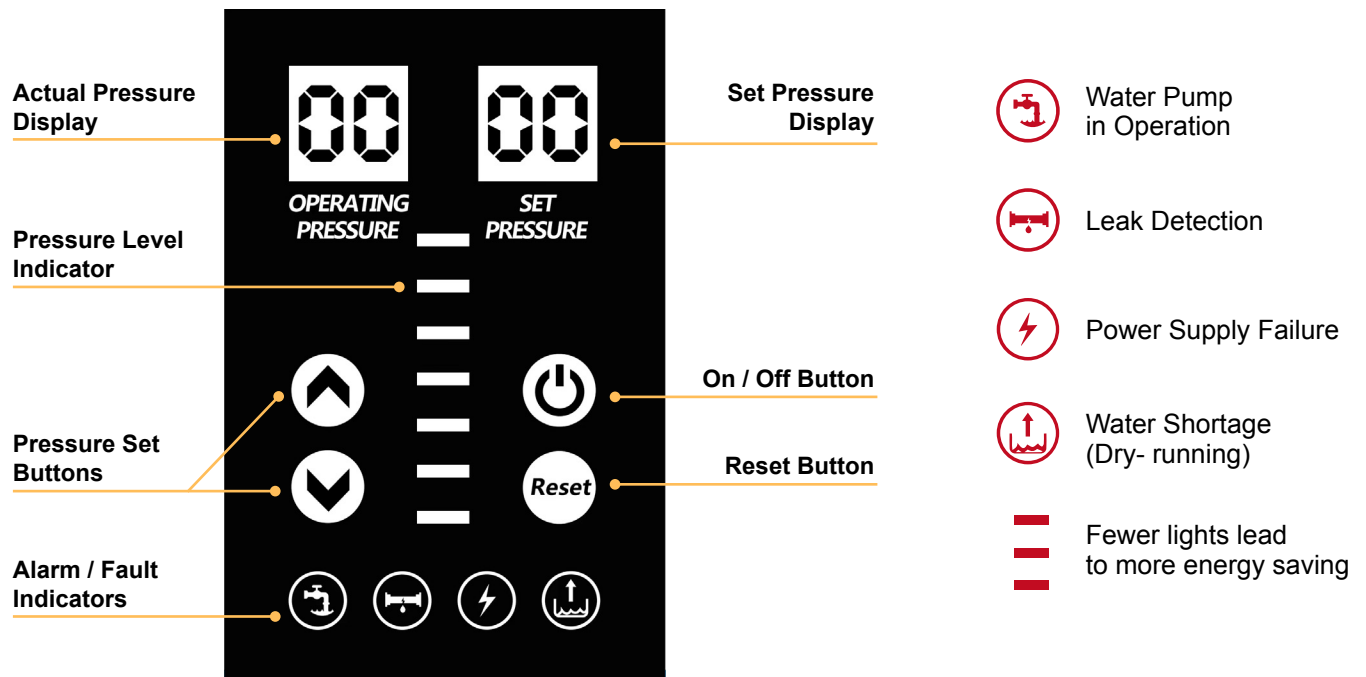
<b>Product Model</b>	<b>TECNOBOOST 5</b>
<b>Pump type</b>	Centrifugal, Multistage Pump
<b>Pumped fluid</b>	Clean Water (non-aggressive, free of solids)
<b>Pump control</b>	Variable Speed
<b>Max. system pressure</b>	10 bar
<b>Max. inlet pressure</b>	4 bar
<b>Maximum suction lift</b>	8 m
<b>Min / Max. ambient temperature</b>	4 °C / 55 °C
<b>Max fluid temperature</b>	75 °C
<b>Noise level</b>	≤ 52 db(A) in typical use
<b>Protection class</b>	IPX6
<b>Inlet / outlet diameter</b>	G 1" (Female)
<b>Installation</b>	Horizontal Installation
<b>Power cable length</b>	1.5 m

### Motor Data

<b>Motor</b>	Permanent Magnet Motor
<b>Max speed</b>	5200 rpm
<b>Winding</b>	Copper
<b>Motor duty</b>	S1 (Continuous Operation)
<b>Motor cooling</b>	Air-cooled
<b>Insulation class</b>	F

## INTELLIGENT OPERATION

Friendly user control panel

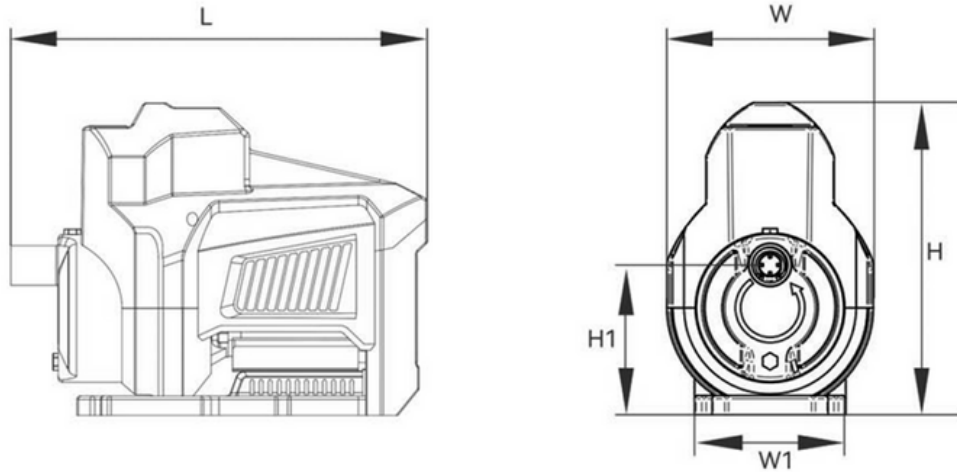


**TECNOBOOST 5** monitors the water pressure in real-time and automatically adjusts it to meet the water demand. Thanks to inverter technology, the pump draws only the necessary power according to water requirements allowing considerable energy savings.



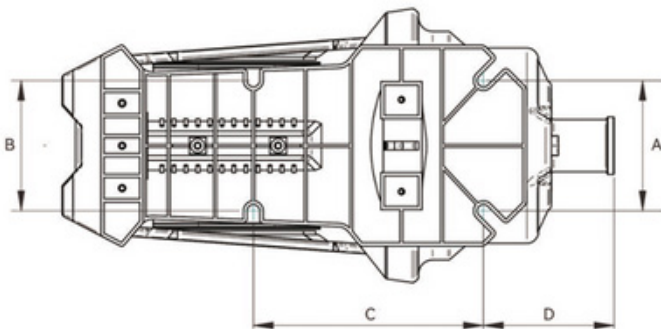
# DIMENSIONAL DRAWING

## Smart Compact Design



Product Model	Nominal Diameter		Length	Width		Height		Net Weight
	Inlet [mm]	Outlet [mm]	L [mm]	W [mm]	W1 [mm]	H [mm]	H1 [mm]	Kg
<b>TECNOBOOST 5</b>	25	25	390	194	142	290	140	8.5

## Baseplate Dimensional Drawing

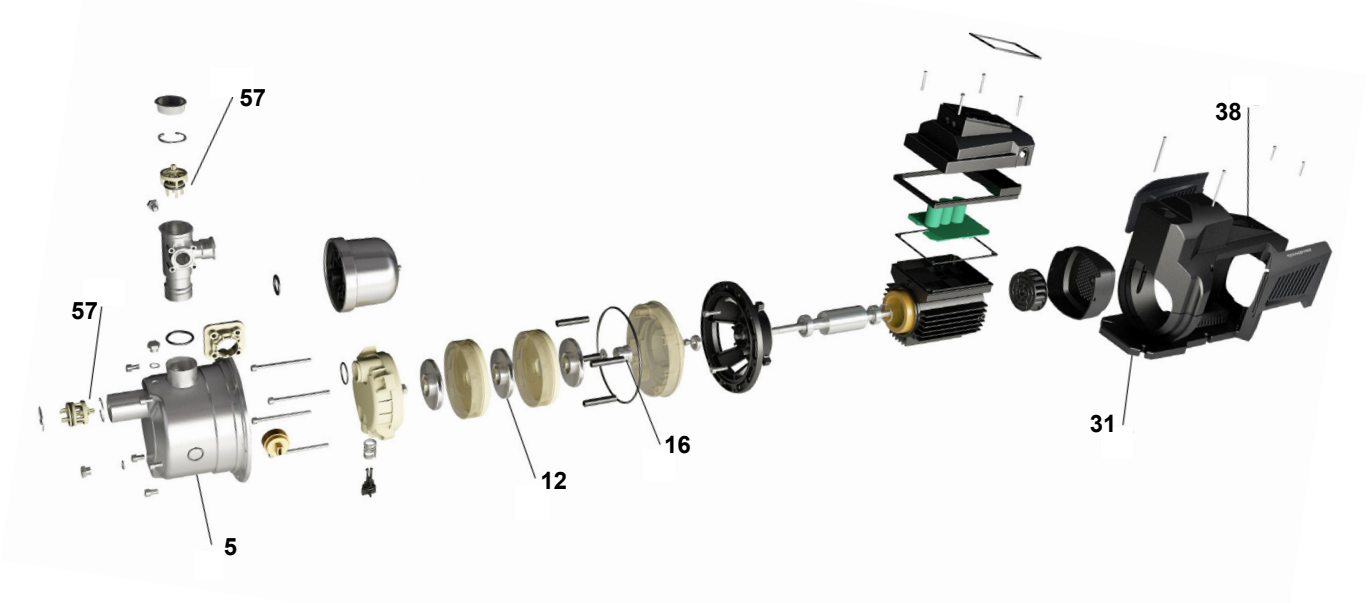


A [mm]	B [mm]	C [mm]	D [mm]
92	92	162.5	92.5



# EXPLODED VIEW

## Main Parts

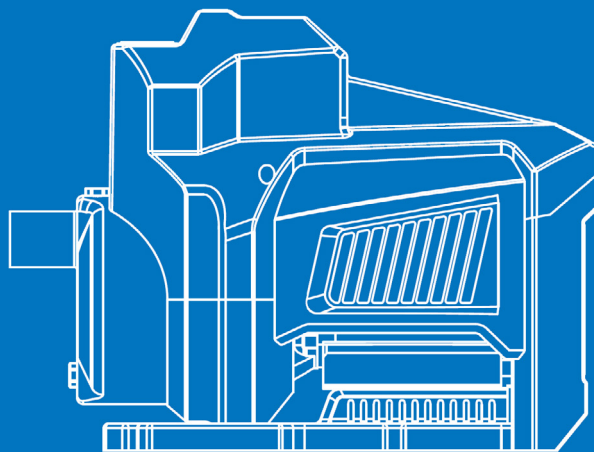


Part Number	Description	Material
5	Pump body	AISI304
12	Impeller	PPO
16	Shaft seal	Carbon/Ceramic
31	Baseplate	Composite
38	Upper shell	Composite
57	Check valves (Inlet & Outlet)	Composite

## Order Information

<b>Product Model</b>	<b>TECNOBOOST 5</b>
Product Dimensions	390 x 194 x 290 mm
Packaging Dimensions	430 x 235 x 335 mm
Gross weight	10 kg
Warranty	2 Years

# TECNODYNE



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