

## DBSE - Perfect Water Pressure at The Taps

The **DISTRELMA DBSE 6/5** is a fully integrated water booster pump delivering perfect water pressure in all taps at all times - even with multiple taps and showers running at the same time. It packs a pump, motor, tank, sensor, drive and non-return valve into one compact unit. With its intelligent pump control, DBSE automatically adjusts performance to both inlet pressure and water consumption in the home. DBSE has a sound level of 46 dB (A) in typical use and thereby offers one of the lowest noise levels of any booster in the market.

The **DISTRELMA DBSE 6/5** intelligent permanent magnet frequency conversion self-priming centrifugal pump is mainly composed of permanent magnet motor, water pump, seal, outer cover and frequency conversion controller. It is an intelligent household water pump integrating power saving, constant pressure and bass, and is widely used in household water intake, well water lifting, tap water pressurization, garden irrigation and vegetable greenhouse water supply. It is especially suitable for pressurizing water heater pipes with insufficient water pressure to prevent water supply from being hot and cold. All-round automatic protection, automatic display of multiple fault codes, indication of pipeline leakage and water shortage, more secure use and more convenient maintenance.

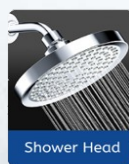
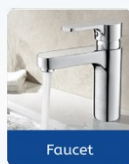


### TECHNICAL DESCRIPTION

Description	Value
<b>General Information</b>	
Product Name:	Booster Silent DBSE 6/5
<b>Technical:</b>	
Max Flow:	6 m <sup>3</sup> /h
Max Head:	50 m
Maximum Suction Lift:	7 m
Approvals:	CE
<b>Materials:</b>	
Motor Wire:	Full Copper
Impeller:	PPO
Motor Shaft:	AISI 304
Pump Body:	Nylon
Pump Support:	Aluminium
Motor Housing:	Aluminium
Mechanical Seal:	SIC/Graphite
<b>Installation:</b>	
Ambient Temperature :	0 .. 40 °C
Max Operating Ppressure:	10 Bar
Type of Connection:	G
Suction Port:	1"
Delivery Port:	1"
Drinking Water Certificate:	Yes
<b>Liquid:</b>	
Pumped Liquid:	Water
Liquid Temperature:	0°C.....60°C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Rated Speed:	5500 r.p.m
Rated Power - P2:	650 W
Mains Frequency:	50 / 60 Hz
Rated Voltage:	1 x 200-240 V
Insulation Class (IEC 85):	F
Degree of Protection:	IP44
Sound Level:	46 dB
Degree of protection:	IP44
Cable type:	Euro Plug
Cable section:	
Power cable length:	1.5 m
Plug:	SCHUKO

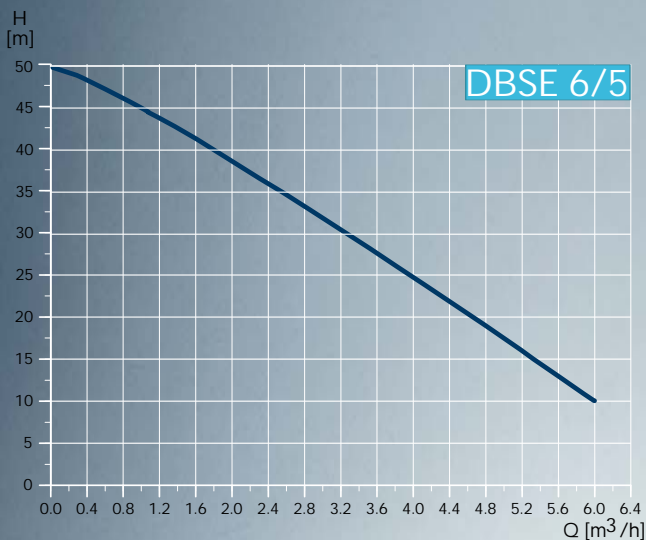
### FEATURES & BENEFITS

- Starts and stops automatically when open and close the taps
- Gives constant pressure and the water does not decrease when opening multi taps together
- The ability to control the water pressure and adjust it at any time by just press button
- Protection against dry running (Work without water)
- The pump sound is very low and hardly heard (46 dB)
- The pump is self-priming and no need to refill the water and vent the air. No need to install foot valve
- A smart pump detect the failures, specify the failure reason and display it on the control panel
- DBSE variable speed based on the demand that ful fill the maximum reduction of power consumption
- Hight efficiency permanent magnet motor
- No need for any tools for installation
- Long lifetime: Quality-tested to perfection, maintenance-free



## Increasing Water Pressure with a Constant Pressure System

### PERFORMANCE CURVE



Booster Silent DBSE 6/5



Choosing the right booster pump for your home

### PERFORMANCE TABLE

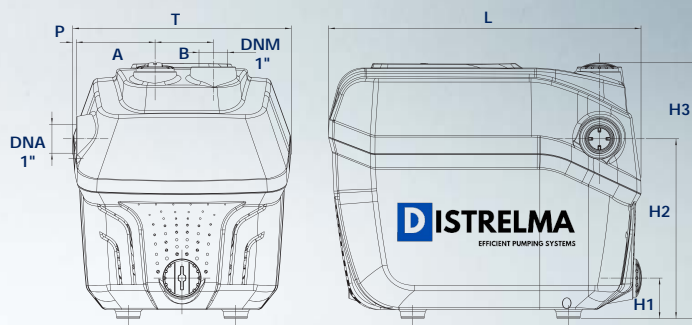
DESIGNATION	POWER		Q (m³/h)	0	0.8	1.6	2.4	3.2	4	4.8	5.2	6
	(KW)	(HP)										
1 x 220-240 V			Q (L/S)	0	0.22	0.44	0.66	0.88	1.11	1.33	1.44	1.66
Bosster Silent DBSE 6/5	650	0.85	H (m)	50	46	42	37	31	25	19.5	17	10

### CONTROL PANEL AND USE

- 1 Operating pressure display
- 2 Set pressure display Running
- 3 Running Indicator
- 4 Reduce the set pressure
- 5 Pressure WIFI indicator
- 6 Increase the set pressure
- 7 On/off
- 8 Power fault
- 9 Locked rotor
- 10 Pipeline leakage
- 11 Water shortage
- 12 High water temperature



### INSTALLATION



Pos.	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	P (mm)	A (mm)	B (mm)	T (mm)
Bosster Silent DBSE 6/5	349	45	200	285	4	88	65	244