

# PHM

## Centrifugal Horizontal Pressure Boosters

### Construction

It's a horizontal multistage Centrifugal pump Supplied with pressure tank for constant water pressure. When the pressure drops or exceeds the pre-set level, the pump will regulate the pressure and maintains the water flow and it also has dry run protection in case of no water in the pipeline.

### Applications

- Cluster homes
- Blocks of Flats
- Gardens
- Hostels/Mansions

### Operating Conditions

- Liquid temperature : upto 50 °C
- Continuous duty

### Water filled Rewindable motor

- 2-pole Induction motor, 50Hz (n= 2900 rpm)
- Single phase 230V up to 1.5kw
- Three phase 440V up to 1.5kw
- Insulation class : F

### Special features

- Compact design and highly reliable
- Wide performance range
- Thermal protection

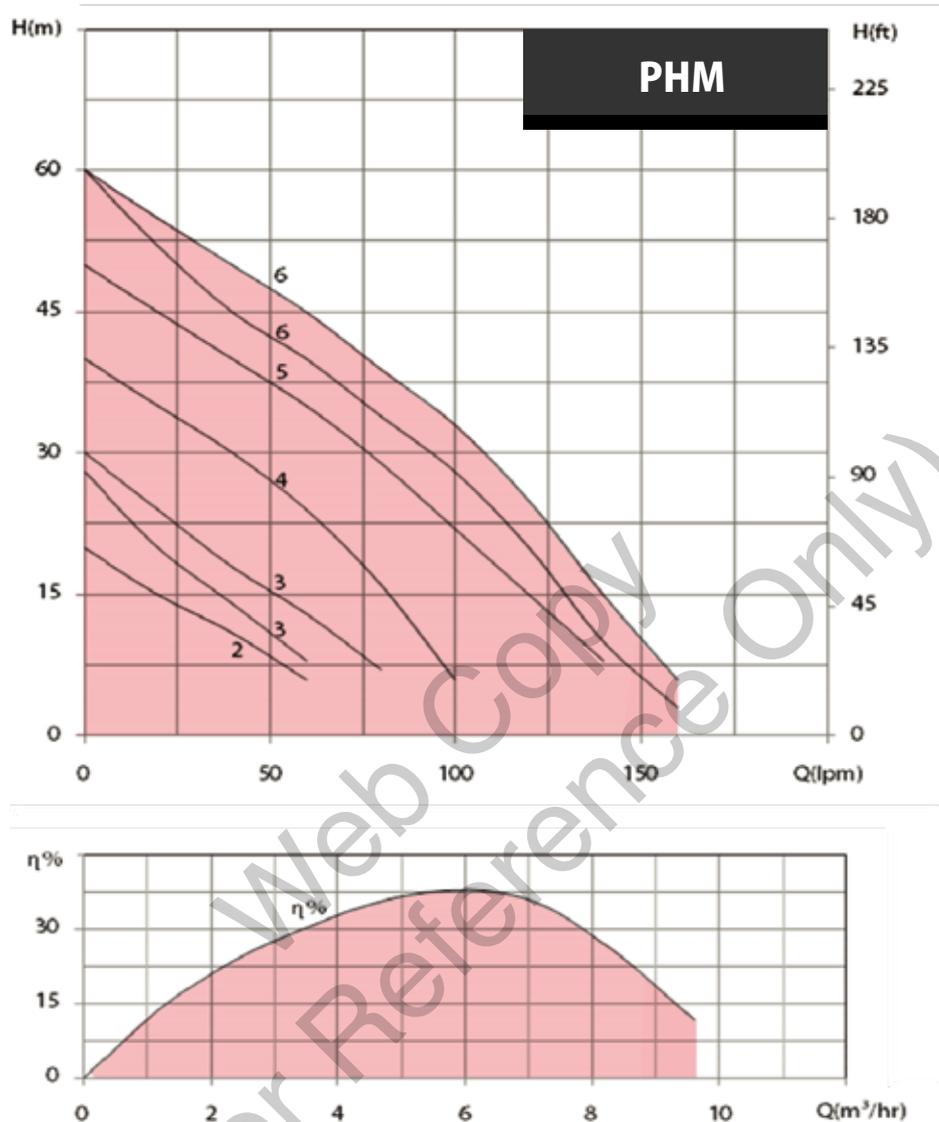
### MATERIAL SPECIFICATIONS

Components	Materials
Motor Body	Aluminium
Housing	Cast Iron FG 200
Diffuser	SS 304 Fabricated
Impeller	SS 304 Fabricated
Sleeve	SS 410
Mechanical Seals	Ceramic + Carbon
Fasteners	SS 304
Rubber Parts	Nitrile Rubber



# PHM Centrifugal Horizontal Pressure Boosters

## Characteristic Curves



## Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m <sup>3</sup> /hr										DNM
				0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6		
				Q - l/min										
				0	20	40	60	80	100	120	140	160		
PHM03/2	0.5	0.37	M	Total Head in Meters	20	15	11	6						1" x 1"
PHM03/3	0.5	0.37	M		28	20	14	8						1" x 1"
PHM05/3	0.75	0.55	M		30	24	18	13	7					1" x 1"
PHM07/4	1.0	0.75	M		40	35	30	24	16	6				1" x 1"
PHM11/5	1.5	1.1	M		50	45	40	35	29	22	15	8		1" x 1"
PHM11/6	1.5	1.1	M		60	52	45	40	34	28	20	10	3	1" x 1"
PHM15/6	2.0	1.5	M		60	55	50	45	39	33	25	15	6	1" x 1"

\* M - Single Phase, T - Three Phase, Q - Discharge, DNM - Nominal Diameter