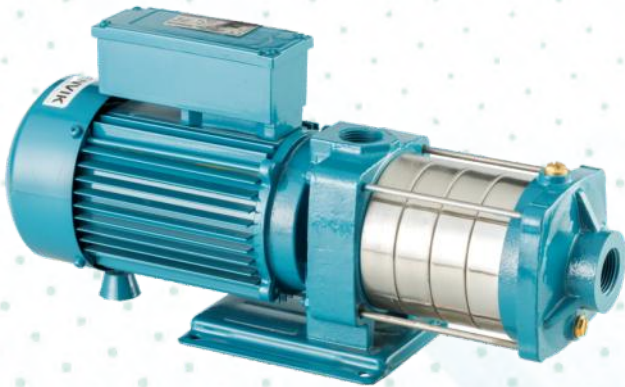


KHM SERIES Horizontal Multistage Centrifugal Pumps



DESCRIPTION

Genvik Horizontal Multistage Centrifugal Pumps are specially designed to facilitate pressure boosting and are best suited for wide range of applications. The components of this pump such as impellers, diffusers and shaft are made of high quality stainless steel to resist corrosion and ensures smooth operation for safe and hygienic drinking water systems. This pump with single phase motors are built with thermal overload protection. To prevent leakage and ensures less friction high quality mechanical seals are used.

FEATURES

Balanced and rigid construction	Agriculture & Irrigation
High mechanical stability	Household water supply
Corrosive resistant SS parts	Pressure boosting
Inbuilt thermal overload protector in all single phase pumps	Car service station
Ensures long lasting performance	Gardening
Optimal design	

Subject to change without prior notice.

APPLICATIONS

PUMPED LIQUIDS

Non-aggressive, non explosive, pure, cold, fresh water without abrasive particles having the following characteristics.

pH	6.5 to 8.5
Turbidity	50 ppm silica scale (max.)
Viscosity	1.75x10 ⁶ m ² /sec (max.)
Hardness (Drinking Water)	300 (max.)
Specific gravity	1.004 (max.)
Allowable solids	3000 ppm (max.)
Chlorine ion density	500 ppm (max.)
Permissible amount of sand	50 g/m ³ (max.)
Temperature	90°C (max.) NBR, 90°C VITON

MATERIALS OF CONSTRUCTION

Part Name	Material
Pump Casing	C.I (Cast Iron)
Impeller	AISI 304 (Stainless Steel)
Pump Stage Casing	AISI 304 (Stainless Steel)
Pump Bracket	C.I (Cast Iron)
Motor Frame	Aluminium
Rotor shaft	AISI 410 (Stainless Steel)
Mechanical Seal	SiC / Graphite Carbon
Distance Sleeve	AISI 304
Terminal Box	EP (Engineer Plastic / Thermoplastic)

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PUMPS

Inlet & Outlet size	2.5m ³ = 1" x 1", 5m ³ = 1" x 1" & 1¼" x 1", 8m ³ = 1½" x 1¼", 12m ³ = 1½" x 1½"
Suction Lift up to	7m / 23 feet
Flow range upto	2.5, 5, 8 & 12 m ³ /h
Max. head up to	53 m
Max. allowable liquid temperature	90°C
Max. working pressure	2.5 & 5 m ³ = 10 bar at 0°C to 40°C & 6 bar at 41°C to 90°C 8 & 12 m ³ = 10 bar at 0°C to 55°C & 6 bar at 56°C to 90°C
Sealing type	Mechanical Seal / Carbon Ceramic

MOTORS

Power range	0.40 to 3.50 kW 1 Ph 220/240V, A.C - Supply (Permanent split capacitor - PSC) incorporated with Thermal Over Load Protector. 3 Ph 380/415V, (D.O.L)
Speed	2900 rpm
Protection	IP 54
Insulation Class	'B / F'
Number of starts per hour	100 times
Duty	S1 continuous
Rotation Sequence	Anti clockwise viewed from driving end
Max. Ambient Temperature	40°C