



C.R.I. PUMPS

Pumping trust. Worldwide.

3" SUBMERSIBLE PUMPS - 50Hz

Description

C.R.I. 3" Submersible pumps are built with thermoplastic impellers, diffusers and inbuilt check valve. All vital components of these pumps are made of corrosive resistance thermoplastic and the shaft is of S.S - 431. Pumps are multi stage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. The pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water.

Pumped Liquids

Clean, Thin, Non-aggressive, Non explosive, Clear, Cold, Fresh Water without abrasives, Solid particles or fibre having the following characteristics.

Temperature	: 33°C (max.)
Permissible amount of sand:	25 g/m ³ (max.)
Chlorine ion density	: 500 ppm (max.)
Allowable solids	: 3000 ppm (max.)
Specific gravity	: 1.004 (max.)
Hardness (Drinking water)	: 300 (max.)
Viscosity	: 1.75×10^6 m ² /sec (max.)
Turbidity	: 50 ppm silica scale (max.)
pH	: 6.5 to 8.5

Note : The mounting dimensions of these pumps are in accordance with NEMA standard.

Materials of Construction

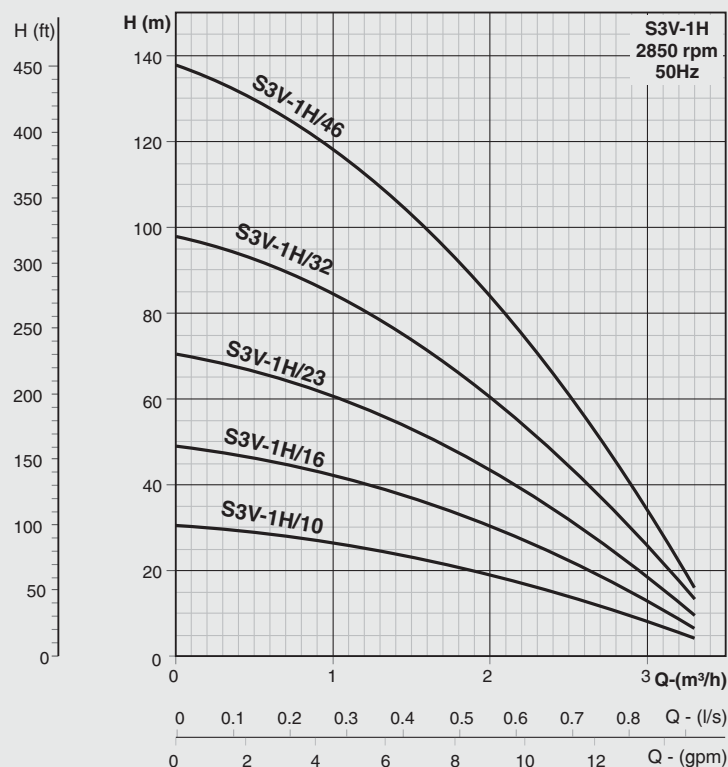
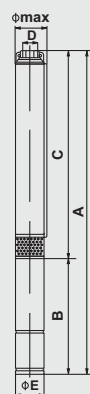
Discharge outlet	: Brass alloy
Suction inter connector	: Brass alloy
Shaft	: S.S - 431
Coupling	: S.S - 304
Outer Shell	: S.S - 304
Check valve	: Thermo Plastic (POM)
Impeller	: Thermo plastic (PPO)
Diffuser	: Thermo Plastic (POM) with inserts of stainless steel in the middle
Bush	: S.S - 420
Inlet Screen	: S.S - 304



* For Specific models only.

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Performance Curve**Dimensions**

Model	A	B	C	D	E	Ø Max
S3V-1H/10	814	358	456	1"	70	75
S3V-1H/16	966	358	608	1"	70	75
S3V-1H/23	1161	378	783	1"	70	75
S3V-1H/32	1406	398	1008	1"	70	75
S3V-1H/46	1847	438	1409	1"	70	75

All dimensions are in mm.

Performance Table

Model	Motor Power		l/s	0	0.17	0.33	0.5	0.58	0.67	0.75	0.83
	kW	HP		0	0.6	1.2	1.8	2.1	2.4	2.7	3
S3V-1H/10	0.25	0.33	TOTAL MANOMETRIC HEAD IN METERS - (COLUMN WATER)	30	28	25	21	18	15	12	8
S3V-1H/16	0.37	0.5		50	46	41	33	29	24	18	13
S3V-1H/23	0.55	0.75		71	66	58	48	41	34	26	18
S3V-1H/32	0.75	1.0		99	92	81	66	58	48	37	25
S3V-1H/46	1.1	1.5		138	128	113	92	79	65	49	33

* In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

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