

Alpha V Series Vortex Impeller Submersible Pumps

Engineered for high performance and durability, the Alpha V Series pumps are perfect for handling residential sewage with exceptional solids handling capabilities. Compact in design, they offer reliable operation and versatility for residential applications.

FEATURES

- **Solids Handling:** Capable of handling solids up to 45mm (1.8in)
- **EVO Version:** Double Mechanical Seal located in the oil chamber
- **Seal Materials:** Motor side: Carbon/Ceramic (CA/CE/FKM); Impeller side: (SIC/SIC/FKM)
- **Float Switch:** Optional for 1-phase models

BENEFITS

- **Compact Design:** Ideal for residential sewage applications where space is limited
- **High Efficiency:** Double mechanical seals offer enhanced leak prevention and reliability
- **Enhanced Solids Handling:** Can pump sewage with larger solids, ensuring efficient operation in tougher environments
- **Versatile:** The optional float switch adds flexibility for various setup needs



Handle

Motor Cover

Motor Casing

Electric Motor

Motor Shaft & Rotor

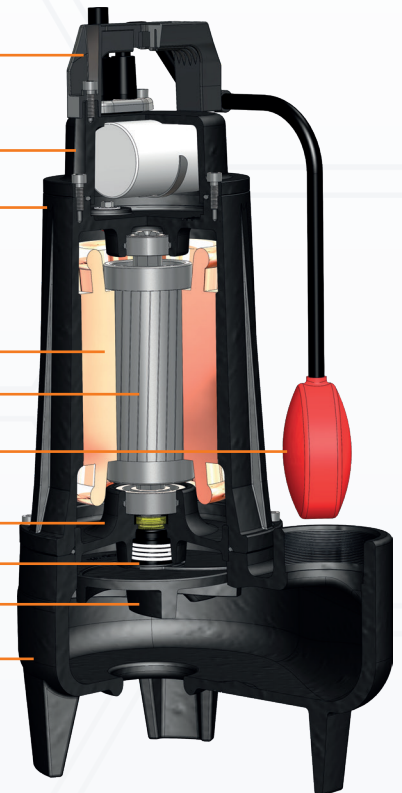
Optional Float Switch for 1-ph

Flange Bearing Support

Seal Kit

Impeller

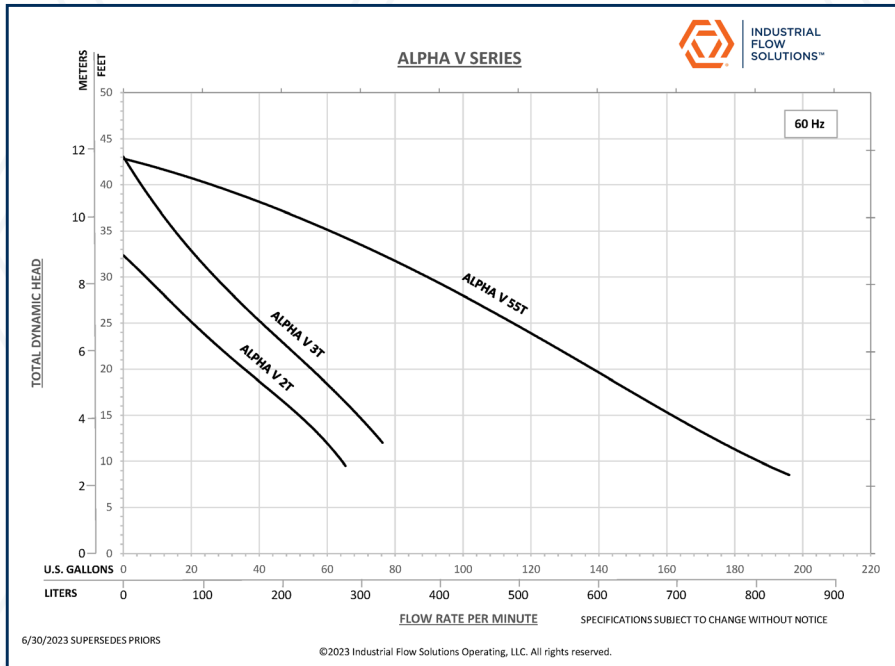
Pump Body



SPECIFICATIONS

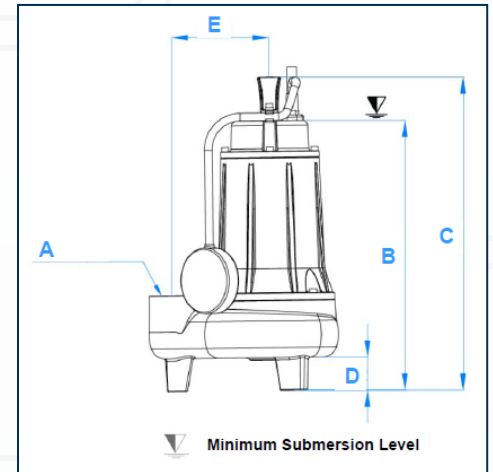
Model	Motor Rating	Voltage	Phase / Frequency	Full Load Amps	Discharge	Max. Head	Max. Flow	Max. Solids
Alpha V 2M	0.75 HP 0.56 kW	115 / 230	1-ph / 60-Hz	7 / 3.6	1 1/2 in NPS	32 ft 9.8 m	65 GPM 346.1 LPM	1.4 in 35 mm
Alpha V 2T		230 / 460	3-ph / 60-Hz	3.2 / 1.6				
Alpha V 3M	1 HP 0.75 kW	115 / 230	1-ph / 60-Hz	14 / 7	1 1/2 in NPS	43 ft 13.1 m	76 GPM 287.7 LPM	1.4 in 35 mm
Alpha V 3T		230 / 460	3-ph / 60-Hz	4.2 / 2.1				
Alpha V 55M	2 HP 1.49 kW	230	1-ph / 60-Hz	14	2 in NPS	43 ft 13.1 m	196 GPM 741.9 LPM	1.8 in 45 mm
Alpha V 55T		230 / 460	3-ph / 60-Hz	6.8 / 3.4				

PERFORMANCE CURVES



DIMENSIONS

Displayed in mm



Model	A	B	C	D	E
Alpha V 2	1.5" F-NPS	329	381	40	119
Alpha V 3	1.5" F-NPS	329	381	40	119
Alpha V 55	2" F-NPS	386	439	50	137

MATERIALS

- **Cast Iron Housing:** GG20 cast iron for reliable, long-lasting construction
- **Mechanical Seals:** Dual seals made of Carbon/Ceramic and Silicon carbide for enhanced protection
- **Stainless Steel Components:** Durable stainless steel components for maximum resistance to wear and corrosion



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