

Pump Data Sheet

4" Nominal Discharge
4" Solid Size
6-poles; 1160 RPM



Vortex Impeller

Model
AV 446

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Electrical Data

Curve Number	Model	Impeller / Motor (mm) / Code	Voltage	Max. B.H.P.	AMPS F.L.	AMPS LR.	Power Factor	Motor Eff. (%)	Cable Size	Cable O.D.(mm)
1	AV446-	240 / 8.3N	230 / 460	8.3	24.0 / 12.0	86 / 43	0.79	82	4G4*	15
2	AV446-	250 / 8.3N	230 / 460	8.3	24.0 / 12.0	86 / 43	0.79	82	4G4*	15
3	AV446-	250 / 9.8P	230 / 460	9.8	28.0 / 14.0	101 / 51	0.78	85	7G4	22.5
4	AV446-	260 / 8.3N	230 / 460	8.3	24.0 / 12.0	86 / 43	0.79	82	4G4*	15
5	AV446-	260 / 9.8P	230 / 460	9.8	28.0 / 14.0	101 / 51	0.78	85	7G4	22.5
6	AV446-	260 / 15.3P	230 / 460	11.4	43.0 / 21.5	155 / 78	0.78	85	4G10*	25
7	AV446-	270 / 9.8P	230 / 460	9.8	28.0 / 14.0	101 / 51	0.78	85	7G4	22.5
8	AV446-	270 / 15.3P	230 / 460	13.8	43.0 / 21.5	155 / 78	0.78	85	4G10*	25
9	AV446-	280 / 15.3P	230 / 460	15.3	43.0 / 21.5	155 / 78	0.78	85	4G10*	25

* Separate Thermal Sensor Cable in provided on indicated Pumps.

4G1.5

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Motor Construction

Motor Type	Enclosed submersible air-filled
NEMA Insulation Code	Class F
Service Factor	1.15
NEMA Design Letter	B
Standard Cable Length	30 ft
Available Motor Voltages	200V, 230V, 460V or 575V
Thermal Sensors embedded in Windings	Included in all Pumps. Must be wired into Control Panel to validate Warranty.
Optional Explosion Proof Construction	Class I, Div 1, Groups C & D – Factory mutual approved
Optional external, single Wire, conductive Seal Probes are available on all Pumps. (Cable O.D. is 7mm)	

Standard Material Of Construction

Motor Housing	Cast Iron ASTM A48; Class 40B
Volute	Cast Iron ASTM A48, Class 40B
Impeller	Cast Iron ASTM A48, Class 40B
Volute Wear Ring	Bronze ASTM B144
Shaft	AISI 430F Stainless Steel
Mechanical Seal – Impeller Side	Silicon Carbide vs Silicon Carbide
Mechanical Seal – Motor Side	Silicon Carbide vs Silicon Carbide
Fasteners	AISI 304 Stainless Steel
O-Rings	Nitrile Rubber
Upper Bearing	Single Row Ball Bearing
Lower Bearing	Double Row Angular Ball Bearing
Power Cable Sheathing	Nitrile Rubber

Please see Technical Section of Catalogue for additional Information

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