

Pump Data Sheet

4" Nominal Discharge
4" Solid Size
4-poles; 1750 RPM



Vortex Impeller

Model
AV 444

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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	AV444-	190 / 10N	230 / 460	10.0	24.6 / 12.3	111 / 55.5	0.87	87	4G4	15
2	AV444-	190 / 13P	230 / 460	13.0	32.0 / 16.0	141 / 71	0.88	87	4G6	17
3	AV444-	190 / 20P	230 / 460	20.0	49.0 / 24.5	250 / 125	0.87	88	4G10	25
4	AV444-	200 / 13P	230 / 460	13.0	32.0 / 16.0	141 / 71	0.88	87	4G6	17
5	AV444-	200 / 20P	230 / 460	20.0	49.0 / 24.5	250 / 125	0.87	88	4G10	25
6	AV444-	210 / 13P	230 / 460	13.0	32.0 / 16.0	141 / 71	0.88	87	4G6	17
7	AV444-	210 / 20P	230 / 460	20.0	49.0 / 24.5	250 / 125	0.87	88	4G10	25
8	AV444-	220 / 13P	230 / 460	13.0	32.0 / 16.0	141 / 71	0.88	87	4G6	17
9	AV444-	220 / 20P	230 / 460	20.0	49.0 / 24.5	250 / 125	0.87	88	4G10	25
10	AV444-	230 / 20P	230 / 460	20.0	49.0 / 24.5	250 / 125	0.87	88	4G10	25
11	AV444-	230 / 29P	230 / 460	29.0	71.0 / 35.5	405 / 202	0.86	89	(2)4G10	25

Separate Thermal Sensor Cable is provided on all AV444 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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