

Pump Data Sheet

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



Enclosed Multi-Vane Impeller

Model
AK 844

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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	AK844-	330 / 103G	230 460	97.3	238 119	1666 833	0.87	94	(3)4G25 (2)4G16	30 28
2	AK844-	330 / 121G	230 460	116.6	276 138	1904 952	0.88	94	(3)4G25 (2)4G25	30 30
3	AK844-	350 / 121G	230 460	120.1	276 138	1904 952	0.88	93	(3)4G25 (2)4G25	30 30
4	AK844-	350 / 145H	230 460	137.7	334 167		0.90	94		
5	AK844-	374 / 145H	230 460	145.0	334 167		0.90	94		
6	AK844-	374 / 174H	230 460	165.1	400 200		0.90	95		
7	AK844-	390 / 145H	230 460	145.0	334 167		0.90	94		
8	AK844-	390 / 174H	230 460	174.0	400 200		0.90	95		

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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