



Pump Model: **KE102(C), KE103**

Physical Data:

Discharge Size	1-1/2" NPT or 2-Bolt Flange Vertical
Impeller Type	Balanced, Recessed Vortex
Power/Control Cable Length	30' Standard
Paint	Blue, Waterborne Acrylic, High Build – (1) One Coat, Corrosion-Resistant, Air-Dried

Motor Construction:

Motor Type	Enclosed Submersible Oil Filled
NEMA Insulation Code	Class F
Service Factor	1.0
Motor Protection	Thermal Sensors Embedded in the Windings
Maximum Stator Temperature	266°F (130°C)
Power Cord ("C" Pump)	12-3 SOOW - 600V, 90° C
Power Cord (1 Phase)	12-5 SOOW - 600V, 90° C
Power Cord (3 Phase)	14-7 SOOW - 600V, 90° C
Std. Third Party Approval	N/A

Materials of Construction:

Cord Entry	Cast Iron, ASTM A48, Class 35
Motor Housing	Cast Iron, ASTM A48, Class 35
Bearing Housing	Cast Iron, ASTM A48, Class 35
Volute	Cast Iron, ASTM A48, Class 35
Impeller	Ductile Iron, ASTM A536, Grade 65-45-12
Shaft	ANSI 400 Stainless Steel
Inboard Mechanical Seal	Silicon Carbide / Silicon Carbide, Viton® Elastomers
Outboard Mechanical Seal	Silicon Carbide / Silicon Carbide, Viton® Elastomers
Fasteners	ANSI 18-8 or 304 Stainless Steel
O-Rings	Nitrile Rubber
Upper Bearing	Conrad Style Single Row Deep Groove Ball Bearing 100,000 Hours, L-10
Lower Bearing	Conrad Style Single Row Deep Groove Ball Bearing 100,000 Hours, L-10
Sleeve Bearing	Bronze, Sintered



Pump Model: **KE102(C), KE103**

Thermal Data:

Maximum Liquid	140° F (60° C) Intermittent
Maximum Stator	266° F (130° C)
Heat Sensor	Open: 275° F (135° C) Max. / 257° F (125° C) Min.
	Closed: 205° F (96° C) Max. / 154° F (68° C) Min.
Oil Flash Point	390° F (199° C)

Electrical Data:

RPM	3450			
Electrical Ratings	Heat Sensor	24VDC 5AMPS	115VAC 5AMPS	230VAC 5AMPS
	Seal Fail	300VAC 5mAMPS		
Voltage Tolerance	± 10%			
Internal Start Kit	Start Capacitor = 216-259 ufd, 250 VAC			
	Run Capacitor = 25 ufd, 370 VAC			

<u>Model</u>	HP	Volts	Phase	NEC Code	Service Factor	Full Load Amps	SF Amps	Start Amps	Full Load KW	Full Load KVA
KE102	1	230	1	G	1.0	15.5	15.5	54.3	3.72	3.72
KE102C	1	230	1	G	1.0	15.5	15.5	54.3	3.72	3.72
KE103	1	208	3	H	1.0	9.5	9.5	33.3	3.42	3.42
		230				8.5	8.5	29.8	3.39	3.39
		460				4.5	4.5	15.8	3.78	3.78