



Pump Model: **KG2-115**

**Physical Data:**

<b>Discharge Size</b>	1-1/4" NPT or 2-Bolt Flange Vertical
<b>Impeller Type</b>	Balanced, Recessed Vortex
<b>Power/Control Cable Length</b>	30' Standard
<b>Paint</b>	Blue, Waterborne Acrylic, High Build – (1) One Coat, Corrosion-Resistant, Air-Dried

**Motor Construction:**

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

**Materials of Construction:**

<b>Cord Entry</b>	Cast Iron, ASTM A48, Class 35
<b>Motor Housing</b>	Cast Iron, ASTM A48, Class 35
<b>Bearing Housing</b>	Cast Iron, ASTM A48, Class 35
<b>Volute</b>	Cast Iron, ASTM A48, Class 35
<b>Impeller</b>	Ductile Iron, ASTM A536, Grade 65-45-12
<b>Shaft</b>	ANSI 400 Stainless Steel
<b>Rotating "Radial" Cutter</b>	440 SST Hardened 58-60 Rockwell C
<b>Stationary "Radial" Cutter</b>	440 SST Hardened 58-60 Rockwell C
<b>Inboard Mechanical Seal</b>	Silicon Carbide / Silicon Carbide, Viton® Elastomers
<b>Outboard Mechanical Seal</b>	Silicon Carbide / Silicon Carbide, Viton® Elastomers
<b>Fasteners</b>	ANSI 18-8 or 304 Stainless Steel
<b>O-Rings</b>	Nitrile Rubber
<b>Upper Bearing</b>	Conrad Style Single Row Deep Groove Ball Bearing 100,000 Hours, L-10
<b>Lower Bearing</b>	Conrad Style Single Row Deep Groove Ball Bearing 100,000 Hours, L-10
<b>Sleeve Bearing</b>	Bronze, Sintered



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**Thermal Data:**

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

**Electrical Data:**

<b>RPM</b>	<b>3450</b>			
<b>Electrical Ratings</b>	Heat Sensor	24VDC 5AMPS	115VAC 5AMPS	230VAC 5AMPS
	Seal Fail	300VAC 5mAMPS		
<b>Voltage Tolerance</b>	± 10%			
<b>Internal Start Kit</b>	Start Capacitor = 200 ufd, 125 VAC			
	Run Capacitor = 70 ufd, 250 VAC			

<u>Model</u>	HP	Volts	Phase	NEC Code	Service Factor	Full Load Amps	SF Amps	Start Amps	Full Load KW	Full Load KVA
KG2-115	2	115	1	G	1.0	19.5	19.5	48.0	1.84	2.30
KG1-115	1	115	1	G	1.0	19.5	19.5	48.0	1.84	2.30