



Pump Model: <b><u>KG(X)2C, KG(X)2-CSL</u></b>
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**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>	FM3615

**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>*Opt. Rotating "Axial" Slicer</b>	440 SST Hardened 58-60 Rockwell C
<b>*Opt. Stationary "Axial" Slicer</b>	440 SST Hardened 58-60 Rockwell C
<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 = 216 ufd, 250 VAC			
	Run Capacitor = 25 ufd, 370 VAC			

<b>Model</b> (Slicer)	<b>Model</b> (Radial Cutter)	<b>HP</b>	<b>Volts</b>	<b>Phase</b>	<b>NEC Code</b>	<b>Service Factor</b>	<b>Full Load Amps</b>	<b>SF Amps</b>	<b>Start Amps</b>	<b>Full Load KW</b>	<b>Full Load KVA</b>
KG2-2081CSL	KG2-2081C	2	208	1	G	1.0	20.8	20.8	72.8	4.32	4.32
KG2-2301CSL	KG2-2301C		230				15.5	15.5	54.0	3.56	3.56
KG2-2401CSL	KG2-2401C		240				15.5	15.5	54.0	3.56	3.56



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**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 (1 Phase)</b>	12-5 SOOW - 600V, 90° C
<b>Power Cord (3 Phase)</b>	14-7 SOOW – 600V, 90° C
<b>Std. Third Party Approval</b>	FM3615

**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>*Opt. Rotating "Axial" Slicer</b>	440 SST Hardened 58-60 Rockwell C
<b>*Opt. Stationary "Axial" Slicer</b>	440 SST Hardened 58-60 Rockwell C
<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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<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>External Start Kit</b>	Start Capacitor = 216 ufd, 250 VAC			
	Run Capacitor = 25 ufd, 370 VAC			

<b><u>Model</u></b> <b>(Slicer)</b>	<b><u>Model</u></b> <b>(Radial Cutter)</b>	<b>HP</b>	<b>Volts</b>	<b>Phase</b>	<b>NEC Code</b>	<b>Service Factor</b>	<b>Full Load Amps</b>	<b>SF Amps</b>	<b>Start Amps</b>	<b>Full Load KW</b>	<b>Full Load KVA</b>
KG2-2081SL	KG2-2081	2	208	1	G	1.0	20.8	20.8	72.0	4.33	4.33
KG2-2301SL	KG2-2301		230				15.5	15.5	54.3	3.72	3.72
KG2-2401SL	KG2-2401		240				15.5	15.5	54.3	3.72	3.72
KG2-2083SL	KG2-2083	2	208	3	H	1.0	9.5	9.5	33.3	3.42	3.42
KG2-2303SL	KG2-2303		230				8.5	8.5	29.8	3.39	3.39
KG2-4603SL	KG2-4603		460				4.5	4.5	15.8	3.78	3.78