

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	NEMA design B, squirrel cage induction, oil filled (non toxic)
<b>Motor Type</b>	Enclosed submersible
<b>Insulation Class</b>	Class B, rated at 120° C
<b>Motor Protection</b>	Integral Bi-Metallic current sensing switch providing over temperature shut down
<b>Service Factor</b>	1.10
<b>Voltage Tolerance</b>	± 10% from nominal
<b>Approvals</b>	UL 778 and CSA C22.2-108

**MOTOR DATA, 60Hz**

Model	Phase	Rated Output Power	Volts	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
EF 05W	1	0.5 Hp	115	13.2	58.5	P	0.85	50	2/3450
	1	0.5 Hp	208/230*	7.3/6.6	38.9/35.2	S	0.85	50	2/3450

\* 230 volt motor can be operated on 208 volts without modification.

**MATERIALS of CONSTRUCTION**

<b>Motor Housing</b>	Cast Iron ASTM A48 Class 30
<b>Volute</b>	Cast Iron ASTM A48 Class 30
<b>External Hardware</b>	304 Stainless Steel
<b>O-Rings</b>	Buna-N
<b>Motor Shaft</b>	420 Stainless Steel
<b>Oil</b>	Non-toxic white mineral oil (Marcol 52)
<b>Upper Bearing</b>	Single row ball bearing
<b>Lower Bearing</b>	Single row ball bearing.
<b>Lower Shaft Seal</b>	Spring loaded rotating carbon face w/ stationary ceramic face.
<b>Impeller</b>	Polybutylene Terephthalate (PBT) 30% glass fiber, Vortex

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight, single phase (lb.)</b>	36
<b>Maximum submergence (feet)</b>	30
<b>Discharge size, standard</b>	2 Inch, Vertical
<b>Discharge thread type</b>	Female NPT
<b>Discharge size, optional</b>	none
<b>Maximum temp. of pumped fluid</b>	40°C continuous, 50°C intermittent

**CABLE SPECIFICATIONS**

MODEL	POWER CABLE Quantity, Type	LENGTH, Feet	OUTER JACKET
EF 05W	115 volt - 16/3 SJEOOW or equiv. w/ 3 prong plug 208/230 volt - 16/3 SJEOOW or equiv. w/3 prong plug	15	Thermoplastic elastomer