

MOTOR SPECIFICATIONS

Motor Design	NEMA design B, squirrel cage induction, oil filled
Motor Type	Enclosed submersible
Insulation Class	Class F, rated at 279°F (155° C)
Motor Protection	Integral Bi-Metallic current sensing switch providing over temperature shut down.
Bi-Metallic Temp Trip	234° F ± 9° (130° C ± 5° C)
Service Factor	1.0
Voltage Tolerance	± 5% from nominal
Approvals	UL

MOTOR DATA, 60Hz

Model	Phase	Output Power bhp	Volts	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
09	1	3.0	208	14.94	46.3	B	0.91	79.49	2/3450
09	1	3.0	230	13.51	41.9	B	0.91	79.49	2/3450

MATERIALS of CONSTRUCTION

Motor Housing	AISI 304 Stainless Steel
Volute	Cast Iron ASTM A48 Class 30
External Hardware	304 Stainless Steel
O-Rings	Buna-N
Motor Shaft	420 Stainless Steel
Upper Bearing	Single row ball bearing
Lower Bearing	Single row ball bearing.
Lower Shaft Seal	Spring loaded rotating carbon face w/ stationary ceramic face.
Stationary Cutter	316 SS
Rotating Cutter	316 SS
Impeller	Cast iron, semi-open multiple vane

DIMENSIONS, WEIGHT, AND MISC.

Pump weight, single phase (lb.)	42
Maximum submergence (feet)	30
Discharge size, standard	1¼ Inch, Horizontal
Discharge type	Female NPT
Maximum temp. of pumped fluid	72° F (40° C)

*Elbow adapter included with the pump

CABLE SPECIFICATIONS

MODEL	POWER CABLE Quantity, Type	LENGTH, Feet	OUTER JACKET
09	1 - 16/3 SJTOW-A or equiv.	32	PVC or equiv. water & oil resistant.

Power cable suitable for all standard voltages listed in "MOTOR DATA" section.

