

TECHNICAL DATA**SCAVENGER SERIES****EJ 05W**

Dwg: DS-S08-069

Rev:

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Section

Scavenger

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Ejector Pumps

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MOTOR SPECIFICATIONS

Motor Design	NEMA design B, squirrel cage induction, oil filled (non toxic)
Motor Type	Enclosed submersible
Insulation Class	Class B, rated at 120° C
Motor Protection	Integral Bi-Metallic current sensing switch providing over temperature shut down
Service Factor	1.10
Voltage Tolerance	± 10% from nominal
Approvals	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)
EJ 05W	1	0.5 Hp	115	10.6	21.4	E	0.87	59	4/1750
	1	0.5 Hp	230	5.3	10.5	E	0.87	59	4/1750

MATERIALS of CONSTRUCTION

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

DIMENSIONS, WEIGHT, AND MISC.

Pump weight, single phase (lb.)	37
Maximum submergence (feet)	30
Discharge size, standard	2 Inch, Vertical
Discharge thread type	Female NPT
Discharge size, optional	none
Maximum temp. of pumped fluid	40°C continuous, 50°C intermittent

CABLE SPECIFICATIONS

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