

TECHNICAL DATA					SCAVENGER SERIES				EF 05W	
Dwg:	DS-S08-065	Rev:	B	Date:	08/05	Section	Scavenger	Tab	Effluent Pumps	Page

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	Approved by CSA to UL 778 and CSA C22.2-108 standards

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

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.)	36
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
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	20	Thermoplastic elastomer

Specifications subject to change without notice