

FEATURES

- **Impeller:** Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation.
- **Casing:** Cast iron volute type for maximum efficiency. 2" NPT discharge.
- **Mechanical Seal:** Silicon carbide vs. silicon carbide sealing faces. Stainless steel metal parts, BUNA-N elastomers.
- **Shaft:** Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.
- **Power Cord:** Standard cord is 20' long.
- **Fasteners:** 300 series stainless steel.
- **Operation:** Capable of running dry without damage to components.
- **Capacities:** up to 140 GPM.
- **Total heads:** up to 128 feet TDH.
- **Temperature:** 104°F (40°C) continuous; 140°F (60°C) intermittent.
- **Options available on this Series are:** Silicon bronze (unleaded) impellers, tungsten carbide shaft seals and longer power cords in 30', 50' and 100' lengths. Option prices and order suffixes are found in the Price Book.

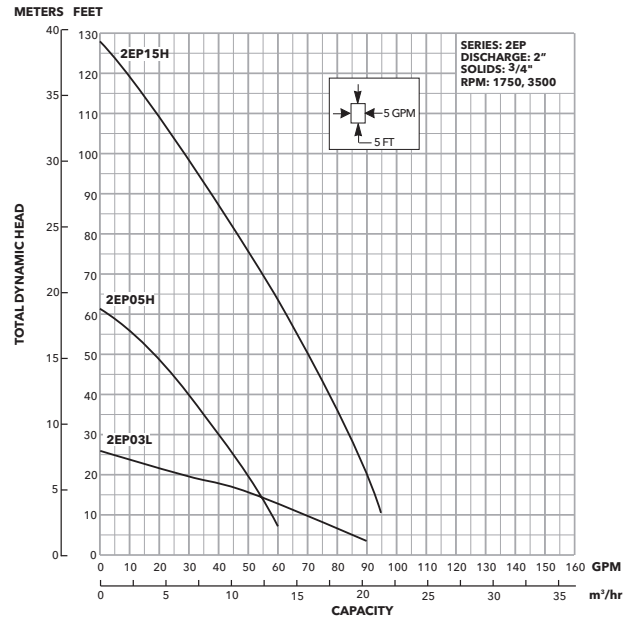
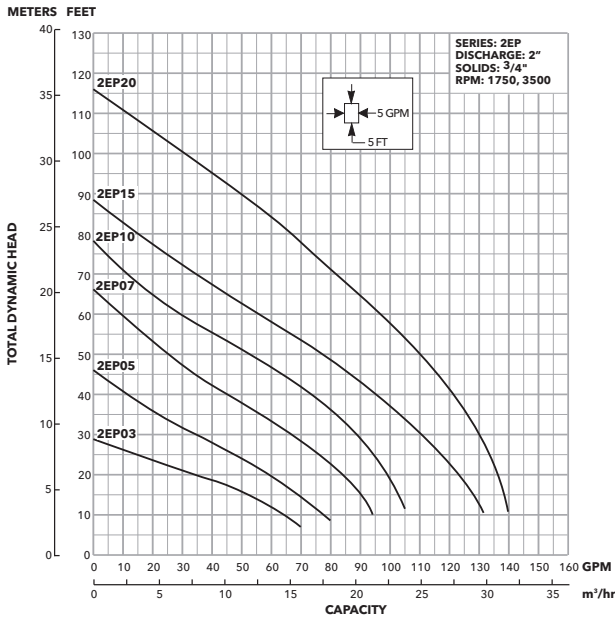


 **REDJACKET SERIES**

2EP

SUBMERSIBLE EFFLUENT PUMP WASTEWATER

PERFORMANCE CURVES



MOTOR FEATURES

Oil-Filled: Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer. Class B insulation.

Single phase:

Built-in overload with automatic reset.

All single phase models feature capacitor start motors for maximum starting torque.

1/3-1 HP - 16/3 SJTOW with 115V or 230V molded NEMA three prong grounding plug.

1 1/2 and 2 HP - 14/3 STOW with bare leads.

Three phase:

Overload protection must be provided in starter unit.

1/2-2 HP - 14/4 STOW with bare leads.

Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.

Bearings: Upper and lower heavy duty ball bearing construction.

Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. Standard cord is 20'. Optional lengths are available.

O-ring: Assures positive sealing against contaminants and oil leakage.

PERFORMANCE RATINGS (GALLONS PER MINUTE)

Order No.	2EP03L	2EP03	2EP05	2EP07	2EP10	2EP15	2EP05H	2EP15H	2EP20
HP	1/3	1/3	1/2	3/4	1	1 1/2	1/2	1 1/2	2
RPM	1750	1750	3500	3500	3500	3500	3500	3500	3500
Total Head Feet of Water	5	86	-	-	-	-	-	-	-
	10	70	63	78	94	-	58	95	-
	15	52	50	70	90	103	53	93	138
	20	27	35	60	83	98	49	90	136
	25	5	15	48	76	94	45	87	133
	30	-	-	35	67	88	40	83	130
	35	-	-	20	57	82	35	80	126
	40	-	-	-	45	74	30	77	121
	45	-	-	-	35	64	25	74	116
	50	-	-	-	25	53	77	70	110
	55	-	-	-	-	40	67	66	103
	60	-	-	-	-	30	56	63	96
	65	-	-	-	-	20	45	58	89
	70	-	-	-	-	-	35	55	81
	75	-	-	-	-	-	25	51	74
	80	-	-	-	-	-	-	47	66
	90	-	-	-	-	-	-	37	49
	100	-	-	-	-	-	-	28	30

MOTOR INFORMATION

Single phase:

- Capacitor start
- Class "B" insulation
- Built-in automatic reset overload
- Available ratings:
115 Volt - .33-.5 HP
208 Volt - .33-1.5 HP
230 Volt - .33-2 HP

Three phase:

- Overloads required in control panel
- Available ratings:
200 Volt - .5-2 HP
230 Volt - .5-2 HP
460 Volt - .5-2 HP
575 Volt - .5-2 HP



Tested to UL 778 and CSA 22.2 108 Standards By
Canadian Standards Association File #LR13533

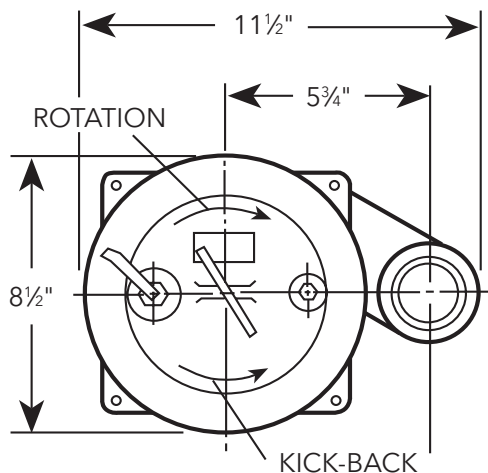
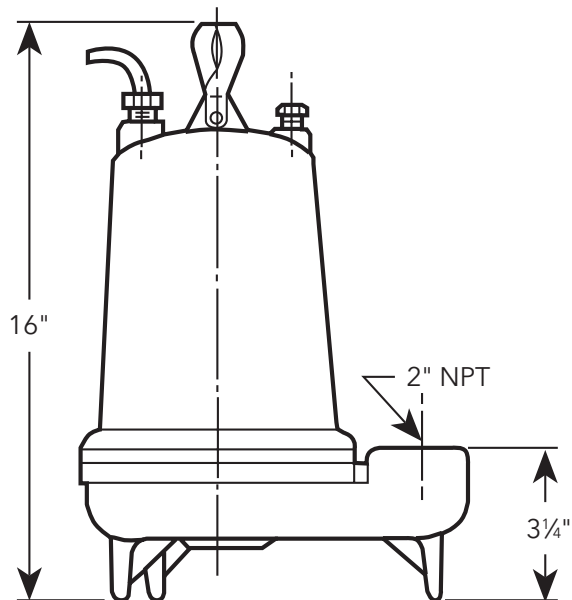
MODEL INFORMATION

Order Number	HP	Phase	Volts	RPM	Impeller Dia. (in.)	Max. Amps	LRA	KVA Code	Full Load Motor Eff.	Resistance		Wt. (lbs.)
										Start	Line-Line	
2EP0311L	0.33	1	115	1750	5.38 (L)	10.7	30.0	M	54	11.9	1.7	56
2EP0318L			208			6.8	19.5	K	51	9.1	4.2	
2EP0312L			230			4.9	14.1	L	53	14.5	8.0	
2EP0311			115		5.38	10.7	30.0	M	54	11.9	1.7	
2EP0318			208			6.8	19.5	K	51	9.1	4.2	
2EP0312			230			4.9	14.1	L	53	14.5	8.0	
2EP0511	0.5	1	115	3450	3.56	14.5	46.0	M	54	7.5	1.0	60
2EP0518			208			8.1	31.0	K	68	9.7	2.4	
2EP0512			230			7.3	34.5	M	53	9.6	4.0	
2EP0538		3	200			4.9	22.6	R	68	NA	3.8	
2EP0532			230			3.3	18.8	R	70	NA	5.8	
2EP0534			460			1.7	9.4	R	70	NA	23.2	
2EP0537			575			1.4	7.5	R	62	NA	35.3	
2EP0511H		1	115		3.88 (H)	14.5	46.0	M	54	7.5	1.0	
2EP0518H			208			8.1	31.0	K	68	9.7	2.4	
2EP0512H			230			7.3	34.5	M	53	9.6	4.0	
2EP0538H		3	200			4.9	22.6	R	68	NA	3.8	
2EP0532H			230			3.6	18.8	R	70	NA	5.8	
2EP0534H			460			1.8	9.4	R	70	NA	23.2	
2EP0537H			575			1.5	13.1	R	62	NA	35.3	
2EP0718		1	208		4.06	11.0	31.0	K	68	9.7	2.4	
2EP0712			230			10.0	27.5	J	65	12.2	2.7	
2EP0738		3	200			6.2	20.6	L	64	NA	5.7	
2EP0732			230			5.4	15.7	K	68	NA	8.6	
2EP0734			460			2.7	7.9	K	68	NA	34.2	
2EP0737			575			2.2	9.9	L	78	NA	26.5	
2EP1018	1	1	208		4.44	14.0	59.0	K	68	9.3	1.1	70
2EP1012			230			12.5	36.2	J	69	10.3	2.1	
2EP1038		3	200			8.1	37.6	M	77	NA	2.7	
2EP1032			230			7.0	24.1	L	79	NA	4.1	
2EP1034			460			3.5	12.1	L	79	NA	16.2	
2EP1037			575			2.8	9.9	L	78	NA	26.5	
2EP1518		1	208		4.56	17.5	59.0	K	68	9.3	1.1	80
2EP1512			230			15.7	50.0	H	68	11.3	1.6	
2EP1538		3	200			10.6	40.6	K	79	NA	1.9	
2EP1532			230			9.2	31.7	K	78	NA	2.9	
2EP1534			460			4.6	15.9	K	78	NA	11.4	
2EP1537			575			3.7	13.1	K	75	NA	16.9	
2EP1518H	1.5	1	208		5.50(H)	17.5	59.0	K	68	9.3	1.1	
2EP1512H			230			15.7	50.0	H	68	11.3	1.6	
2EP1538H		3	200			10.6	40.6	K	79	NA	1.9	
2EP1532H			230			9.2	31.7	K	78	NA	2.9	
2EP1534H			460			4.6	15.9	K	78	NA	11.4	
2EP1537H			575			3.7	13.1	K	75	NA	16.9	
2EP2012	2	3	230		5.38	18.0	49.6	F	78	1.1	3.2 / 1.2	83
2EP2038			200			12.0	42.4	K	78	NA	1.7	
2EP2032			230			11.6	42.4	K	78	NA	1.7	
2EP2034			460			5.8	21.2	K	78	NA	6.6	
2EP2037			575			4.7	16.3	L	78	NA	10.5	

Specifically designed for the following uses: Homes, farms, trailer courts, motels, schools, hospitals, industry, effluent systems.

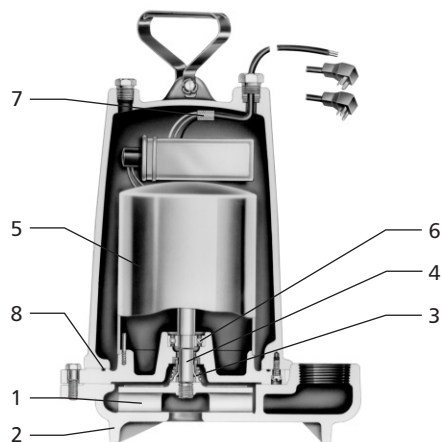
DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)



COMPONENTS

Description	Item No.
1	Impeller
2	Casing
3	Silicon carbide vs. silicon carbide mechanical seal
4	Shaft
5	Motor
6	All ball bearing heavy duty design
7	Power cable
8	O-ring



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