

FEATURES

Impeller: Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

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.

Fasteners: 300 series stainless steel.

Capable of running dry without damage to components.

Designed for continuous operation when fully submerged.

Extended Warranty available for residential applications.



2EC

SUBMERSIBLE EFFLUENT PUMP



Bell & Gossett
a xylem brand

Wastewater

APPLICATIONS

Specifically designed for the following uses:

- Homes, Farms, Trailer Courts, Motels, Schools, Hospitals, Industry, Effluent Systems

SPECIFICATIONS

Pump

- Solids handling capabilities: $\frac{3}{4}$ " maximum
- Discharge size: 2" NPT
- Capacities: up to 140 GPM
- Total heads: up to 128 feet TDH
- Temperature: 104°F (40°C) continuous, 140°F (60°C) intermittent
- See order numbers on reverse side for specific HP, voltage, phase and RPM's available.

MOTORS

- Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.
- Class B insulation on $\frac{1}{3}$ - 1½ HP models
- Class F insulation on 2 HP models

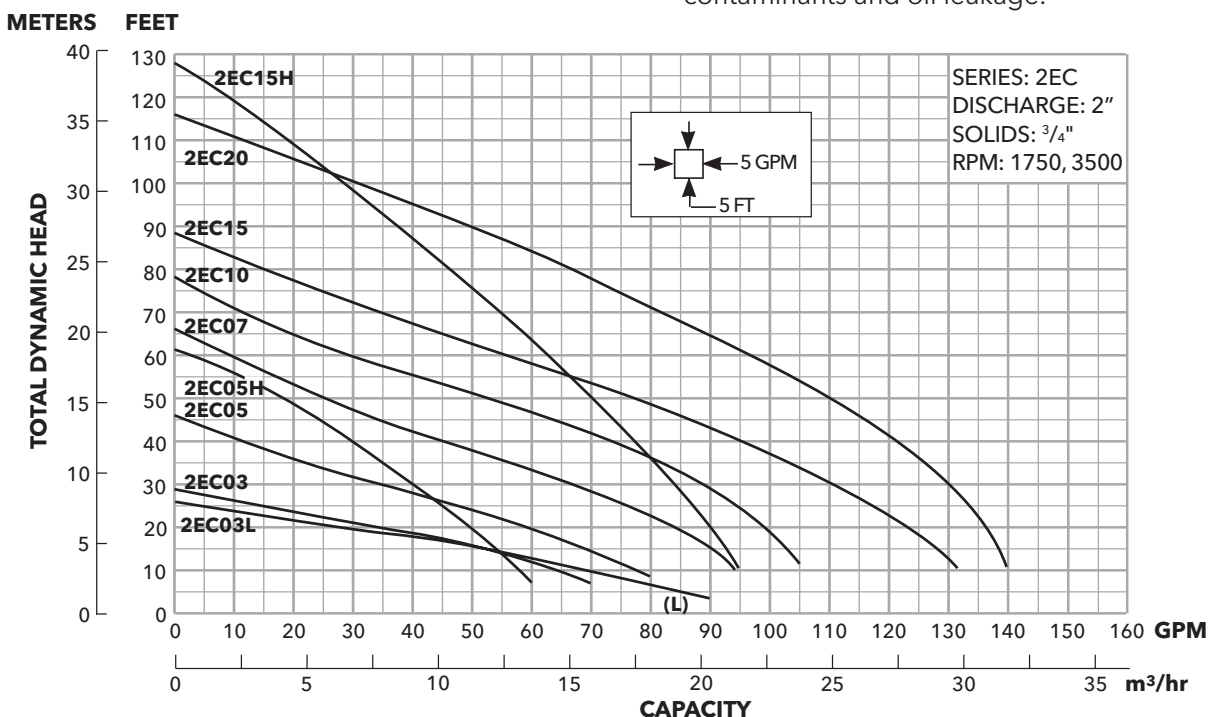
Single phase (60 Hz):

- Capacitor start motors for maximum starting torque
- Built-in overload with automatic reset
- SJTOW or STOW severe duty oil and water resistant power cords.
- $\frac{1}{3}$ - 1 HP models have NEMA three prong grounding plugs.
- 1½ HP and larger units have bare lead cord ends.

Three phase (60 Hz):

- Class 10 overload protection must be provided in separately ordered starter unit.
- STOW power cords all have bare lead cord ends.
- **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.

CURVES



Wastewater

MODELS

Order Number	HP	Phase	Volts	RPM	Impeller Diameter (in.)	Maximum Amps	Locked Rotor Amps	KVA Code	Full Load Efficiency %	Resistance		Power Cable Size	Weight (lbs.)
										Start	Line-Line		
2EC0311L	0.33	1	115	1750	5.38	10.7	30.0	M	54	11.9	1.7	16/3	56
2EC0318L			208			6.8	19.5	K	51	9.1	4.2		
2EC0312L			230			4.9	14.1	L	53	14.5	8.0		
2EC0311			115			10.7	30.0	M	54	11.9	1.7		
2EC0318			208			6.8	19.5	K	51	9.1	4.2		
2EC0312			230			4.9	14.1	L	53	14.5	8.0		
2EC0511	0.5		115	3450	3.56	14.5	46.0	M	54	7.5	1.0	14/3	60
2EC0518			208			8.1	31.0	K	68	9.7	2.4	16/3	60
2EC0512			230			7.3	34.5	M	53	9.6	4.0	14/4	60
2EC0538		3	200			4.9	22.6	R	68	NA	3.8		
2EC0532			230			3.3	18.8	R	70	NA	5.8		
2EC0534			460			1.7	9.4	R	70	NA	23.2		
2EC0537			575			1.4	7.5	R	62	NA	35.3		
2EC0511H		1	115		3.88	14.5	46.0	M	54	7.5	1.0	14/3	60
2EC0518H			208			8.1	31.0	K	68	9.7	2.4	16/3	60
2EC0512H			230			7.3	34.5	M	53	9.6	4.0	14/4	60
2EC0538H		3	200			4.9	22.6	R	68	NA	3.8		
2EC0532H			230			3.6	18.8	R	70	NA	5.8		
2EC0534H			460			1.8	9.4	R	70	NA	23.2		
2EC0537H			575			1.5	7.5	R	62	NA	35.3		
2EC0718	0.75	1	208	3450	4.06	11.0	31.0	K	68	9.7	2.4	14/3	70
2EC0712			230			10.0	27.5	J	65	12.2	2.7	14/4	70
2EC0738		3	200			6.2	20.6	L	64	NA	5.7		
2EC0732			230			5.4	15.7	K	68	NA	8.6		
2EC0734			460			2.7	7.9	K	68	NA	34.2		
2EC0737			575			2.2	9.9	L	78	NA	26.5		
2EC1018	1	1	208	3450	4.44	14.0	59.0	K	68	9.3	1.1	14/3	70
2EC1012			230			12.5	36.2	J	69	10.3	2.1	14/4	70
2EC1038		3	200			8.1	37.6	M	77	NA	2.7		
2EC1032			230			7.0	24.1	L	79	NA	4.1		
2EC1034			460			3.5	12.1	L	79	NA	16.2		
2EC1037			575			2.8	9.9	L	78	NA	26.5		
2EC1518		1	208		4.56	17.5	59.0	K	68	9.3	1.1	14/3	80
2EC1512			230			15.7	50.0	H	68	11.3	1.6	14/4	80
2EC1538		3	200			10.6	40.6	K	79	NA	1.9		
2EC1532			230			9.2	31.7	K	78	NA	2.9		
2EC1534			460			4.6	15.9	K	78	NA	11.4		
2EC1537			575			3.7	13.1	K	75	NA	16.9		
2EC1518H	1.5	1	208	3450	5.50	17.5	59.0	K	68	9.3	1.1	14/3	80
2EC1512H			230			15.7	50.0	H	68	11.3	1.6	14/4	80
2EC1538H		3	200			10.6	40.6	K	79	NA	1.9		
2EC1532H			230			9.2	31.7	K	78	NA	2.9		
2EC1534H			460			4.6	15.9	K	78	NA	11.4		
2EC1537H			575			3.7	13.1	K	75	NA	16.9		
2EC2012	2	3	230	3450	5.38	18.0	49.6	F	78	3.2	1.2	14/3	83
2EC2038			200			12.0	42.4	K	78	NA	1.7	14/4	83
2EC2032			230			11.6	42.4	K	78	NA	1.7		
2EC2034			460			5.8	21.2	K	78	NA	6.6		
2EC2037			575			4.7	16.3	L	78	NA	10.5		

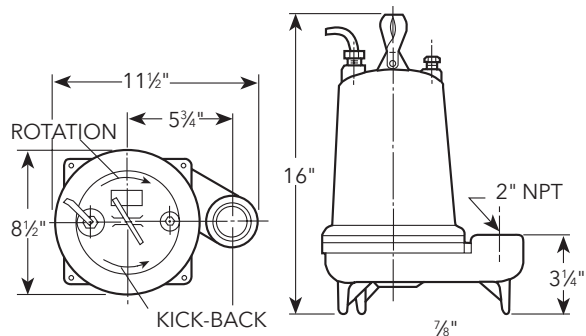
Wastewater

PERFORMANCE RATINGS (gallons per minute)

Order No.	2EC0311L	2EC0311	2EC0511	2EC0712	2EC1012	2EC1512	2EC0511H	2EC1512H	2EC2012
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
5	86	-	-	-	-	-	-	-	-
10	70	63	78	94	-	-	58	95	-
15	52	52	70	90	103	128	53	93	138
20	27	35	60	83	98	123	49	90	136
25	5	15	48	76	94	117	45	87	133
30	-	-	35	67	88	110	40	83	130
35	-	-	22	57	82	103	35	80	126
40	-	-	-	45	74	95	30	77	121
45	-	-	-	35	64	86	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

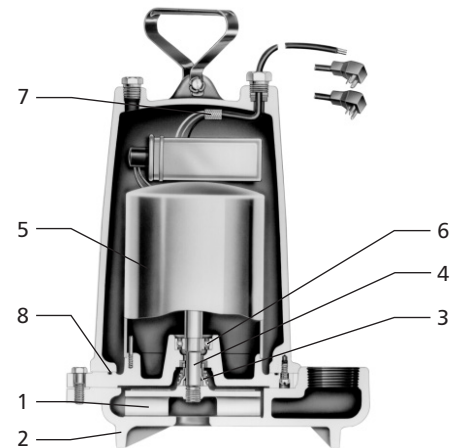
DIMENSIONS

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



COMPONENTS

Item No.	Description
1	Impeller
2	Casing
3	Mechanical Seal
4	Motor Shaft
5	Motor
6	Ball Bearings
7	Power Cable
8	Casing O-Ring



AGENCY LISTINGS



Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #218526

Wastewater

PUMP-TO-PANEL PART NUMBERS

Pump	HP	Phase	Voltage	Amps	Simplex Panel	Duplex Panel
2EC0311L	0.33	1	115	10.7	C4S10020	C4D10020
2EC0318L	0.33	1	208	6.8	C4S10020	C4D10020
2EC0312L	0.33	1	230	4.9	C4S10020	C4D10020
2EC0311	0.33	1	115	10.7	C4S10020	C4D10020
2EC0318	0.33	1	208	6.8	C4S10020	C4D10020
2EC0312	0.33	1	230	4.9	C4S10020	C4D10020
2EC0511	0.5	1	115	14.5	C4S10020	C4D10020
2EC0518	0.5	1	208	8.1	C4S10020	C4D10020
2EC0512	0.5	1	230	7.3	C4S10020	C4D10020
2EC0538	0.5	3	200	4.9	C4S34063	C4D34063
2EC0532	0.5	3	230	3.3	C4S32540	C4D32540
2EC0534	0.5	3	460	1.7	C4S31625	C4D31625
2EC0537	0.5	3	575	1.4	C4S31625	C4D31625
2EC0511H	0.5	1	115	14.5	C4S10020	C4D10020
2EC0518H	0.5	1	208	8.1	C4S10020	C4D10020
2EC0512H	0.5	1	230	7.3	C4S10020	C4D10020
2EC0538H	0.5	3	200	4.9	C4S34063	C4D34063
2EC0532H	0.5	3	230	3.6	C4S32540	C4D32540
2EC0534H	0.5	3	460	1.8	C4S31625	C4D31625
2EC0537H	0.5	3	575	1.5	C4S31625	C4D31625
2EC0718	0.75	1	208	11	C4S10020	C4D10020
2EC0712	0.75	1	230	10	C4S10020	C4D10020
2EC0738	0.75	3	200	6.2	C4S36310	C4D36310
2EC0732	0.75	3	230	5.4	C4S34063	C4D34063
2EC0734	0.75	3	460	2.7	C4S32540	C4D32540
2EC0737	0.75	3	575	2.2	C4S31625	C4D31625
2EC1018	1	1	208	14	C4S10020	C4D10020
2EC1012	1	1	230	12.5	C4S10020	C4D10020
2EC1038	1	3	200	8.1	C4S36310	C4D36310
2EC1032	1	3	230	7	C4S36310	C4D36310
2EC1034	1	3	460	3.5	C4S32540	C4D32540
2EC1037	1	3	575	2.8	C4S32540	C4D32540
2EC1518	1.5	1	208	17.5	C4S10020	C4D10020
2EC1512	1.5	1	230	15.7	C4S10020	C4D10020
2EC1538	1.5	3	200	10.6	C4S31016	C4D31016
2EC1532	1.5	3	230	9.2	C4S36310	C4D36310
2EC1534	1.5	3	460	4.6	C4S34063	C4D34063
2EC1537	1.5	3	575	3.7	C4S32540	C4D32540
2EC1518H	1.5	1	208	17.5	C4S10020	C4D10020
2EC1512H	1.5	1	230	15.7	C4S10020	C4D10020
2EC1538H	1.5	3	200	10.6	C4S31016	C4D31016

PUMP-TO-PANEL PART NUMBERS (continued)

Pump	HP	Phase	Voltage	Amps	Simplex Panel	Duplex Panel
2EC1532H	1.5	3	230	9.2	C4S36310	C4D36310
2EC1534H	1.5	3	460	4.6	C4S34063	C4D34063
2EC1537H	1.5	3	575	3.7	C4S32540	C4D32540
2EC2012	2	1	230	18	C4S10020	C4D10020
2EC2038	2	3	200	12	C4S31016	C4D31016
2EC2032	2	3	230	11.6	C4S31016	C4D31016
2EC2034	2	3	460	5.8	C4S34063	C4D34063
2EC2037	2	3	575	4.7	C4S34063	C4D34063

Wastewater

SERIES "CORE 4" CONTROL PANELS

Series "Core 4" Control Panels provide outstanding, automatic, liquid level control to help manage and maintain pump operation for a variety of effluent, sewage, and water transfer applications.

FEATURES

- Rugged, NEMA 4X construction withstands even the most severe weather conditions and prevents corrosion
- Solid-state control board displays float status for ease of installation and trouble-shooting
- Hinged door with lockable stainless-steel latch for safe operation indoors and out
- Through-door mounted alarm test switch ensures proper operation of the alarm circuit without the need to open the panel
- Panel can be wired for a single power feed and control circuit, or the control circuit can be wired to a separate power supply to ensure alarm integrity in case of a tripped pump breaker
- Top-mounted, high intensity, flashing red light provides 360° visibility
- Auxiliary alarm contacts provided for remote alarm connection
- Field wiring diagram, panel schematic and installation instructions included
- Entire unit is UL and CUL listed

PRODUCT SPECIFICATIONS

- Hand-off-automatic (H-O-A) pump selection switch(es)
- On-off control circuit switch
- Float switches:
 - Normally open (pump down) mechanical float switches with 20' cords
 - Simplex panels (three switches)
 - Duplex panels (four switches)
- Duplex panels include alternation
- NEMA 4X:
 - Flashing red alarm light
 - Fiberglass enclosure with gasketed, hinged door and stainless-steel hardware
 - Alarm horn (95db)
- Solid state printed circuit control board with float indicator lights
- Auxiliary alarm dry contact
- Elapsed time meter(s)
- Cycle counter(s)
- Single Phase
 - Field adjustable for 115 or 230V, 60Hz
- Three Phase
 - Field adjustable for 208/230/460/575 V, 60 Hz
 - 115V control circuit transformer
 - Adjustable motor overload protectors



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



Xylem, Inc.
2881 East Bayard Street Ext., Suite A
Seneca Falls, NY 13148
Phone: (866) 325-4210
Fax: (888) 322-5877
www.xylem.com/bellgossett

Xylem and Bell & Gossett are registered trademarks of Xylem Inc. or one of its subsidiaries. All other trademarks or registered trademarks are property of their respective owners.
© 2024 Xylem Inc. B2EC R5 September 2024