



FEATURES

Impeller: Cast iron, semi-open, non-clog, dynamically balanced with pump out vanes for mechanical seal protection.

Casing: Cast iron flanged volute type for maximum efficiency. Designed for easy installation on A10-20 slide rail or base elbow rail systems.

Mechanical Seal: Silicon Carbide vs Silicon Carbide sealing faces for superior abrasive resistance, stainless steel metal parts, BUNA-N elastomers.

Shaft: Corrosion-resistant, 300 series 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.

2WF_H

SUBMERSIBLE SEWAGE PUMP



Bell & Gossett
a xylem brand

Wastewater

APPLICATIONS

Specifically designed for the following uses:

- Homes
- Sewage systems
- Dewatering/Effluent
- Water transfer
- Light industrial
- Commercial applications

Anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

SPECIFICATIONS

Pump

- Solids handling capabilities: 2" maximum
- Capacities: up to 220 GPM
- Total heads: up to 81 feet TDH
- Discharge size: 2" NPT threaded companion flange as standard. 3" option available but must be ordered separately. (Order no. A1-3)
- Temperature: 104°F (40°C) continuous
140°F (60°C) intermittent.

MOTORS

- Fully submerged in high grade turbine oil for lubrication and efficient heat transfer. All ratings are within the working limits of the motor.
- Class B insulation on 1/3-1 1/2 HP models.
- Class F insulation on 2 HP models.

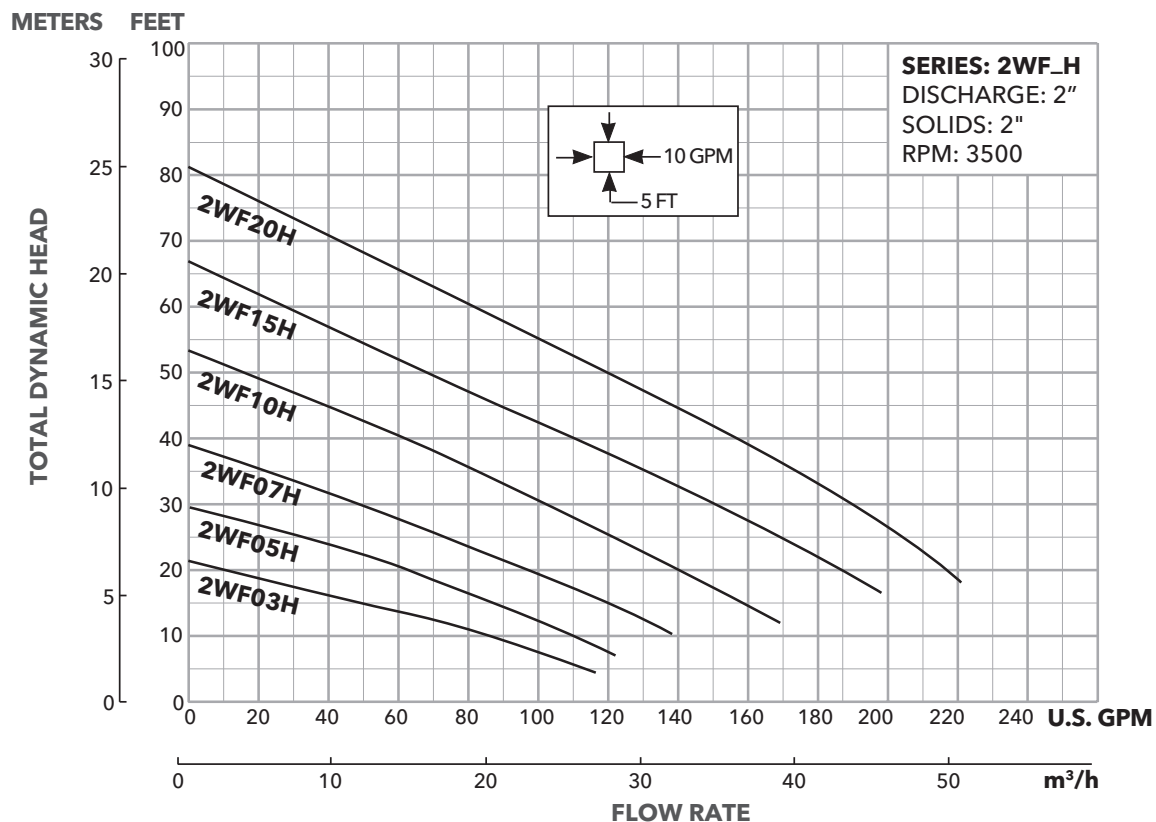
Single phase (60 Hz):

- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- SJTOW or STOW severe duty oil and water resistant power cords.
- 1/3 - 1 HP models have NEMA three prong grounding plugs.
- 1 1/2 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.
- Bearings: Upper and lower heavy duty ball bearing construction.
- Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.
- 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.
- Motor Cover O-ring: Assures positive sealing against contaminants and oil leakage.

CURVES

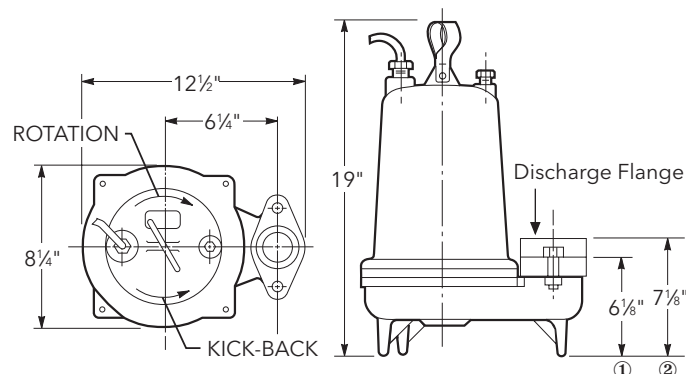


MOTOR AND MODEL INFORMATION

Order Number	HP	Phase	Volts	RPM	Impeller Dia. (In.)	Max. Amps	Locked Rotor Amps	KVA Code	Full Load Motor Eff. %	Resistance	
										Start	Line-Line
2WF0311H	0.33	1	115	3500	2.94	12.4	46.0	M	54	7.5	1.0
2WF0318H	0.33	1	208			6.8	31.0	K	68	9.7	2.4
2WF0312H	0.33	1	230			6.2	34.5	M	53	9.6	4.0
2WF0511H	0.5	1	115		3.19	14.5	46.0	M	54	7.5	1.0
2WF0518H	0.5	1	208			8.4	31.0	K	68	9.7	2.4
2WF0512H	0.5	1	230			7.6	34.5	M	53	9.6	4.0
2WF0538H	0.5	3	200			4.9	22.6	R	68	-	3.8
2WF0532H	0.5	3	230			3.6	18.8	R	70	-	5.8
2WF0534H	0.5	3	460			1.8	9.4	R	70	-	23.2
2WF0537H	0.5	3	575			1.5	7.5	R	62	-	35.3
2WF0718H	0.75	1	208		3.44	11.0	31.0	K	68	9.7	2.4
2WF0712H	0.75	1	230			10.0	27.5	J	65	12.2	2.7
2WF0738H	0.75	3	200			6.2	20.6	L	64	-	5.7
2WF0732H	0.75	3	230			5.4	15.7	K	68	-	8.6
2WF0734H	0.75	3	460			2.7	7.9	K	68	-	34.2
2WF0737H	0.75	3	575			2.2	9.9	L	78	-	26.5
2WF1018H	1	1	208		3.75	14.5	59.0	K	68	9.3	1.1
2WF1012H	1	1	230			13.0	36.2	J	69	10.3	2.1
2WF1038H	1	3	200			8.6	27.6	M	77	-	2.7
2WF1032H	1	3	230			7.5	24.1	L	79	-	4.1
2WF1034H	1	3	460			3.8	12.1	L	79	-	16.2
2WF1037H	1	3	575			3.1	9.9	L	78	-	26.5
2WF1512H	1.5	1	230		4.00	18.0	52.0	J	67	2.76	0.53
2WF1538H	1.5	3	200			10.0	42.4	K	78	-	1.7
2WF1532H	1.5	3	230			9.6	42.4	K	78	-	1.7
2WF1534H	1.5	3	460			4.8	21.2	K	78	-	6.6
2WF1537H	1.5	3	575			3.9	16.3	L	78	-	10.5
2WF2012H	2	1	230		4.44	18.0	49.6	F	78	3.2	1.1
2WF2038H	2	3	200			12.0	42.4	K	78	-	1.7
2WF2032H	2	3	230			11.6	42.4	K	78	-	1.7
2WF2034H	2	3	460			5.8	21.2	K	78	-	6.6
2WF2037H	2	3	575			4.7	16.3	L	78	-	10.5

DIMENSIONS

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



Discharge Flange:

- ① 2" NPT standard
- ② 3" NPT optional (order an A1-3)

PERFORMANCE RATINGS (gallons per minute)

Order No.	2WF03BHF	2WF05BHF	2WF07BHF	2WF10BHF	2WF15BHF	2WF20BHF
HP ▶	1/3	1/2	3/4	1	1 1/2	2
RPM ▶	3500	3500	3500	3500	3500	3500
Total Head Feet of Water	10 ▶	86	110	140	-	-
	15	48	88	120	158	-
	20	-	62	98	139	186
	25	-	32	74	120	170
	30	-	-	49	101	150
	35	-	-	21	82	130
	40	-	-	-	60	110
	45	-	-	-	38	88
	50	-	-	-	-	67
	55	-	-	-	-	47
	60	-	-	-	-	29
	65	-	-	-	-	-
	70	-	-	-	-	-
	75	-	-	-	-	-

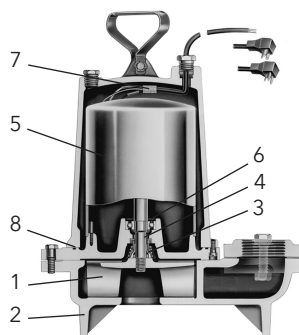
AGENCY LISTINGS



Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #LR218526

COMPONENTS (for reference only)

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



PUMP-TO-PANEL PART NUMBERS

Pump	HP	Phase	Voltage	Amps	Simplex Panel	Duplex Panel
2WF0311H	0.33	1	115	12.4	C4S10020	C4D10020
2WF0318H	0.33	1	208	6.8	C4S10020	C4D10020
2WF0312H	0.33	1	230	6.2	C4S10020	C4D10020
2WF0511H	0.5	1	115	14.5	C4S10020	C4D10020
2WF0518H	0.5	1	208	8.4	C4S10020	C4D10020
2WF0512H	0.5	1	230	7.6	C4S10020	C4D10020
2WF0538H	0.5	3	200	4.9	C4S34063	C4D34063
2WF0532H	0.5	3	230	3.6	C4S32540	C4D32540
2WF0534H	0.5	3	460	1.8	C4S31625	C4D31625
2WF0537H	0.5	3	575	1.5	C4S31625	C4D31625
2WF0718H	0.75	1	208	11	C4S10020	C4D10020
2WF0712H	0.75	1	230	10	C4S10020	C4D10020
2WF0738H	0.75	3	200	6.2	C4S34063	C4D34063
2WF0732H	0.75	3	230	5.4	C4S34063	C4D34063
2WF0734H	0.75	3	460	2.7	C4S32540	C4D32540
2WF0737H	0.75	3	575	2.2	C4S31625	C4D31625
2WF1018H	1	1	208	14.5	C4S10020	C4D10020
2WF1012H	1	1	230	13	C4S10020	C4D10020
2WF1038H	1	3	200	8.6	C4S36310	C4D36310
2WF1032H	1	3	230	7.5	C4S36310	C4D36310
2WF1034H	1	3	460	3.8	C4S32540	C4D32540
2WF1037H	1	3	575	3.1	C4S32540	C4D32540
2WF1512H	1.5	1	230	18	C4S10020	C4D10020
2WF1538H	1.5	3	200	10	C4S31016	C4D31016
2WF1532H	1.5	3	230	9.6	C4S36310	C4D36310
2WF1534H	1.5	3	460	4.8	C4S34063	C4D34063
2WF1537H	1.5	3	575	3.9	C4S32540	C4D32540
2WF2012H	2	1	230	18	C4S10020	C4D10020
2WF2038H	2	3	200	12	C4S31016	C4D31016
2WF2032H	2	3	230	11.6	C4S31016	C4D31016
2WF2034H	2	3	460	5.8	C4S34063	C4D34063
2WF2037H	2	3	575	4.7	C4S34063	C4D34063

xylem
Let's Solve Water

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

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