



Submersible Sewage Pump

MODEL

3887BHF

Prosurance available for residential applications.

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.
- See order numbers on reverse side for specific HP, voltage, phase and RPMs available.

FEATURES

■ **Impeller:** Cast iron, enclosed, non-clog, dynamically balanced with pump out vanes for mechanical seal protection. Optional silicon bronze impeller available.

■ **Casing:** Cast iron flanged volute type for maximum efficiency. Designed for easy installation on A10-20 slide rail.

■ **Mechanical Seal: SILICON CARBIDE VS. SILICON CARBIDE** sealing faces for superior abrasive resistance,

stainless steel metal parts, BUNA-N elastomers.

■ **Shaft:** Corrosion resistant, 400 series stainless steel. Threaded design. Locknut on three phase 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.

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.

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

Single phase (60 Hz):

- Built-in overload with automatic reset.
- 1/3 and 1/2 HP – 16/3 SJTOW with 115 V or 230 V three prong plug.
- 3/4 to 2 HP – 14/3 STOW with bare leads.

Three phase (60 Hz):

- Overload protection must be provided in starter unit.
- 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. 20 foot standard with optional lengths available.

■ **Motor Cover O-ring:** Assures positive sealing against contaminant and oil leakage.

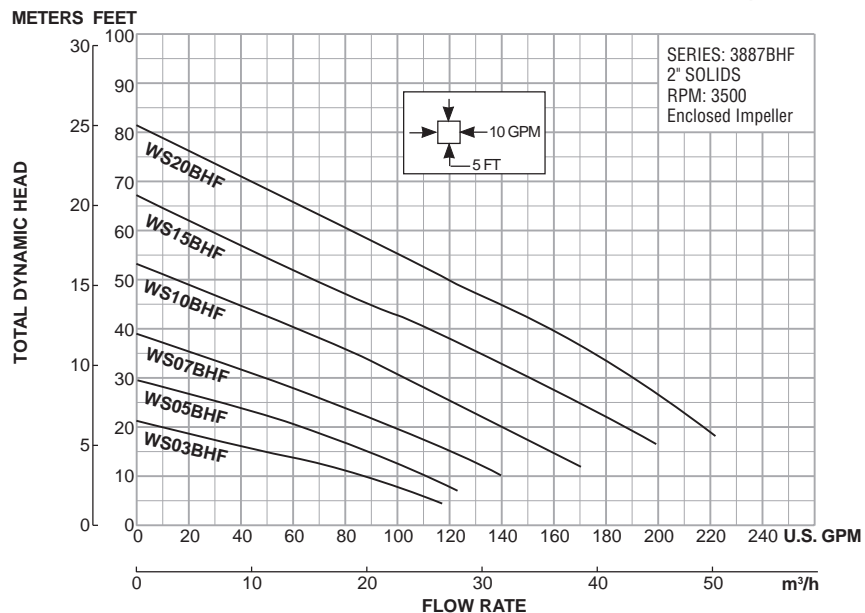
■ Consult factory for information on 575 V models.

AGENCY LISTINGS



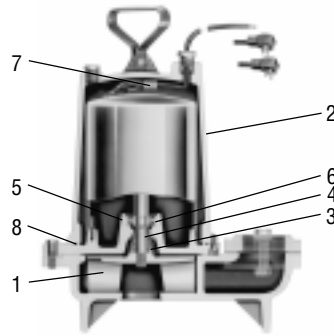
Tested to UL 778 and CSA 22.2 108 Standards By Canadian Standards Association File #LR38549

Goulds Pumps is ISO 9001 Registered.



COMPONENTS

Item No.	Description
1	Multi-vane non-clog cast iron impeller
2	Electrocoat paint outside and inside
3	Silicon carbide vs. silicon carbide mechanical seal
4	Stainless steel shaft
5	High grade turbine oil
6	All ball bearing heavy duty design
7	Epoxy sealed cable
8	O-ring seal



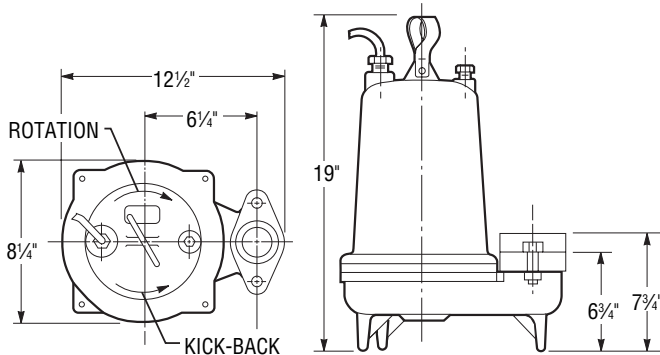
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DIMENSIONS

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

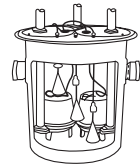


SIMPLEX AND DUPLEX SYSTEMS

Simplex Ejector Systems: are used where drain facilities are below existing sewer lines. Also can be used for septic tank applications where wastewater must be pumped away from tank for treatment or disposal.



Duplex Ejector Systems: offer the necessary safety required by institutions which cannot afford an interruption in their sewage disposal systems.



MODELS AND PERFORMANCE RATINGS

Flanged Discharge Sewage Pumps, 2" Solids								Performance Ratings (gallons per minute)																																						
Order No.	HP	PH	Volts	Max. Amps.	RPM	Heaters	Wt. (lbs.)	Total Head – Feet of Water																																						
								5	10	15	20	25	30	35	40	45	50	55	60	65	70	75																								
WS0311BHF	1/3	1	115	12.4	3500	NA	63	115	86	53	10																																			
WS0318BHF			208	6.8																																										
WS0312BHF			230	6.2																																										
WS0511BHF	1/2	1	115	14.5		3500	NA	65	-	110	88	61	30																																	
WS0518BHF			208	8.4																																										
WS0512BHF			230	7.6																																										
WS0538BHF		3	200	4.1			3500							K34	85	-	140	122	100	78	51	23																								
WS0532BHF			230	3.6										K32																																
WS0534BHF			460	1.8																			K23																							
WS0718BHF	3/4	1	208	11.0		NA		85	-	140	122	100	78											51	23																					
WS0712BHF			230	9.4																																										
WS0738BHF		3	200	4.1										3500									K34			85	-	140	122	100	78	51	23													
WS0732BHF			230	3.6			K33																																							
WS0734BHF	460	1.8	K23																																											
WS1018BHF	1	1		208		14.5	3500	NA	85	-	140	122	100		78	51	23																													
WS1012BHF			230	13.0		K50																																								
WS1038BHF			200	8.6														K43																												
WS1032BHF		3	230	7.5										K33																																
WS1034BHF			460	3.8	NA																																									
WS1512BHF		1 1/2	1	230	17.0	3500								NA				92	-	140	122	100	78	51	23																					
WS1538BHF	3			300	10.0		K54																																							
WS1532BHF			230	9.6	K54																																									
WS1534BHF	460		4.8	K37																																										
WS2012BHF	2	1	230		18.0		3500	NA	92	-	140	122	100	78	51	23																														
WS2038BHF			3	200	12.0												K56																													
WS2032BHF		230		11.6	K56																																									
WS2034BHF		460	5.8	K41																																										