



Submersible Sewage Pump

MODEL

3887BF

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 183 GPM.
- Total heads: up to 38 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, semi-open, 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 Seals: 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 and 1 HP – 14/3 STOW with bare leads.

Three phase (60 Hz):

- Overload protection must be provided in starter unit.
- 1/2-1 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 Cables:** 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.

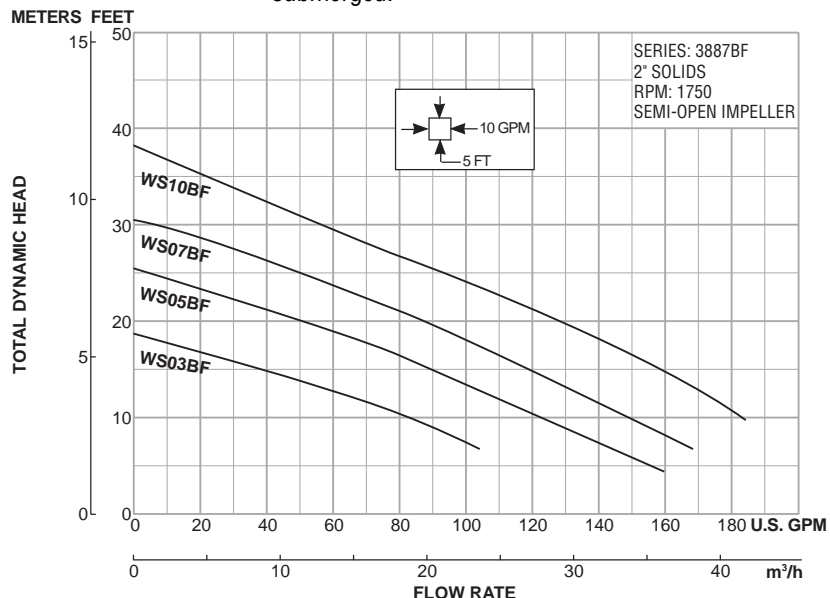
■ Consult factory for information on 575 V models.

AGENCY LISTINGS



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

Goulds Pumps is ISO 9001 Registered.



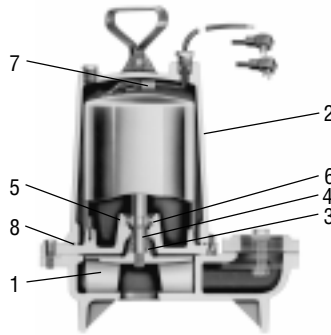
Goulds Pumps



ITT Industries

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



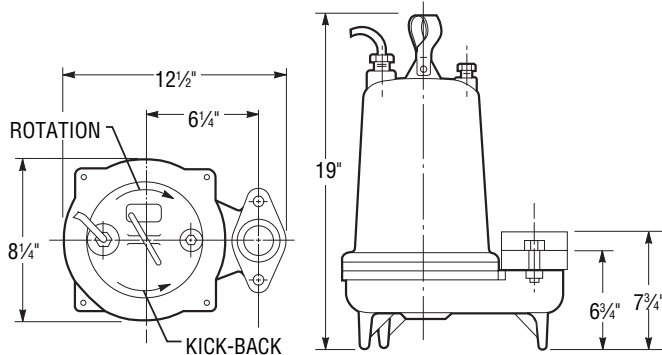
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DIMENSIONS

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

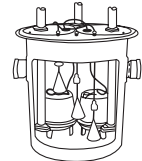


SIMPLEX AND DUPLEX SYSTEMS

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			
WS0311BF	1/3	1	115	9.8	1750	NA	63		82	33							
WS0318BF			200	5.5													
WS0312BF			230	4.9													
WS0511BF	1/2	1	115	14.5		NA	65	155	122	90	50	7					
WS0518BF			200	8.0													
WS0512BF			230	7.3													
WS0538BF		3		200												3.8	K34
WS0532BF				230												3.3	K32
WS0534BF				460												1.7	K23
WS0718BF				3/4												1	200
WS0712BF	230	9.4															
WS0738BF	3		200			4.1	K34										
WS0732BF			230			3.6	K33										
WS0734BF			460			1.8	K23										
WS1018BF	1	1	200	14.0		NA	85				155	126	95	61	20		
WS1012BF			230	12.3													
WS1038BF		3		200												6.0	K42
WS1032BF				230	5.8											K41	
WS1034BF				460	2.9											K29	