



Submersible Sewage Pump

MODEL 3887BF

WS_BF Series

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 185 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 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.

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.

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.

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 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. Standard cord is 20'. Optional lengths are available.

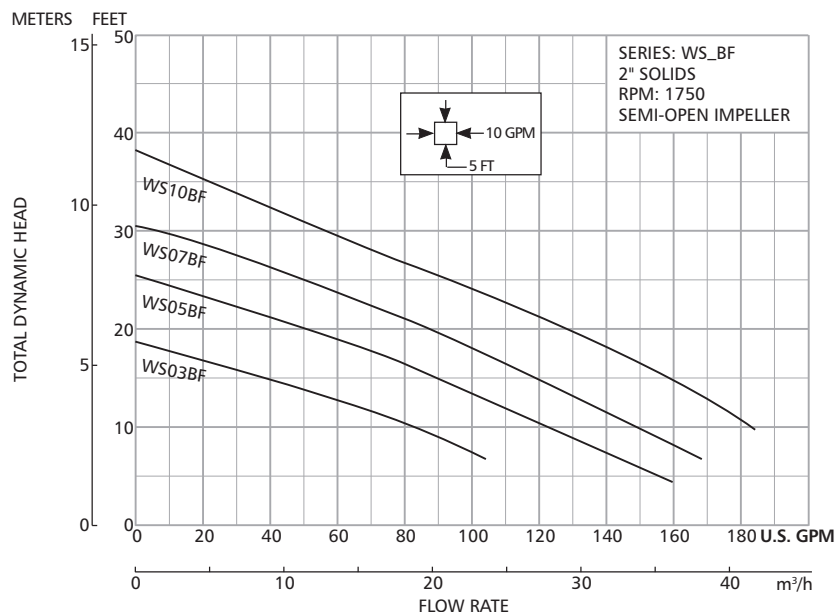
■ **Motor Cover O-ring:** Assures positive sealing against contaminant and oil leakage.

AGENCY LISTINGS



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

Goolds Pumps is ISO 9001 Registered.



Goolds Pumps



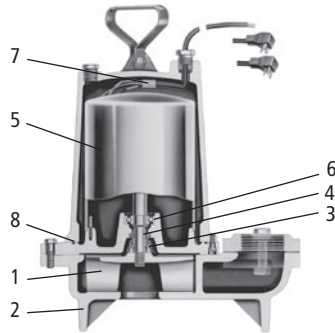
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MODEL 3887BF

WS_BF Series

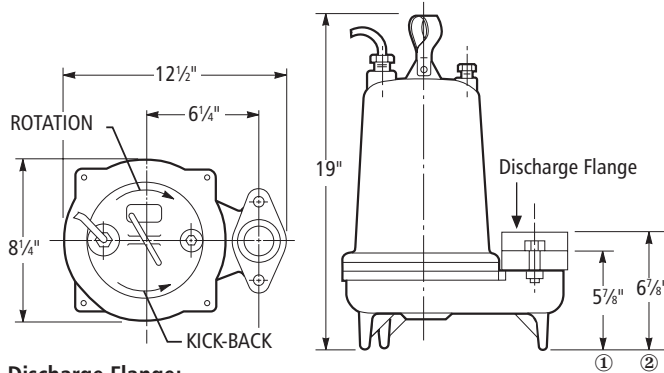
COMPONENTS

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



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)

MODELS AND PERFORMANCE RATINGS

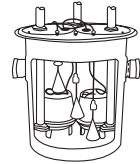
Flanged Discharge Sewage Pumps, 2" Solids						
Order No.	HP	PH	Volts	Max. Amps.	RPM	Wt. (lbs.)
WS0311BF	1/3	1	115	10.7	1750	63
WS0318BF			208	6.8		
WS0312BF			230	4.9		
WS0511BF	1/2	1	115	14.5		65
WS0518BF			208	8.0		
WS0512BF			230	7.3		
WS0538BF			200	3.8		
WS0532BF			230	3.3		
WS0534BF			460	1.7		
WS0537BF	3/4	3	575	1.4		85
WS0718BF			208	11.0		
WS0712BF			230	9.4		
WS0738BF			200	4.1		
WS0732BF			230	3.6		
WS0734BF			460	1.8		
WS0737BF	1	1	575	1.5	85	
WS1018BF			208	14.0		
WS1012BF			230	12.3		
WS1038BF			200	6.0		
WS1032BF			230	5.8		
WS1034BF			460	2.9		
WS1037BF	3	3	575	2.4	85	
WS1037BF			575	2.4		

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.



PERFORMANCE RATINGS (gallons per minute)

Order No.	WS03BF	WS05BF	WS07BF	WS10BF
HP ▶	1/3	1/2	3/4	1
RPM ▶	1750	1750	1750	1750
Total Head Feet of Water	10 ▶	80	122	145
	15	36	90	116
	20	—	50	86
	25	—	—	48
	30	—	—	—
	35	—	—	—

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