

TECHNICAL BROCHURE

B2WT R4

FEATURES

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

Casing: Cast iron volute type for maximum efficiency. Designed for easy installation on A10-20 guide 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 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.



2WT

SUBMERSIBLE SEWAGE



Bell & Gossett
a xylem brand

APPLICATIONS

Specifically designed for the following uses:

- Homes
- Sewage systems
- Dewatering/Effluent
- Water transfer

SPECIFICATIONS**Pump**

- Solids handling capabilities: 2" maximum
- Discharge size: 2" NPT
- Capacities: up to 185 GPM
- Total heads: up to 38 feet TDH
- 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

Single phase (60 Hz):

- o All single phase models feature capacitor start motors for maximum starting torque.
- o Built-in overload with automatic reset.
- o SJTOW or STOW severe duty oil and water resistant power cords.
- o $\frac{1}{3}$ - 1 HP models have NEMA three prong grounding plugs.

Three phase (60 Hz):

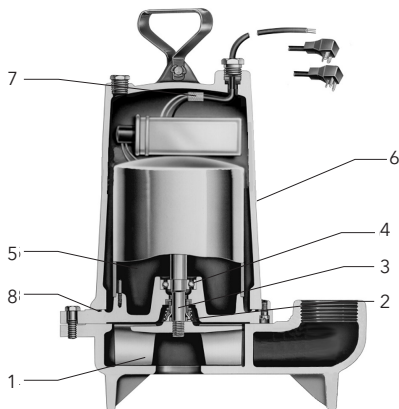
- o Class 10 overload protection must be provided in separately ordered starter unit.
- o STOW power cords all have bare lead cord ends.
- o **Bearings:** Upper and lower heavy duty ball bearing construction.
- o **Designed for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.
- o **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 **Motor Cover O-ring:** Assures positive sealing against contaminants and oil leakage.

PERFORMANCE RATINGS (gallons per minute)

Order No.	2WT03	2WT05	2WT07	2WT10
HP ▶	⅓	½	¾	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	-	-	-

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



NOTE: For specific parts breakdown, see repair parts.

AGENCY LISTINGS



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



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PUMP-TO-PANEL PART NUMBERS

Pump	HP	Phase	Voltage	Amps	Simplex Panel	Duplex Panel
2WT0311	0.33	1	115	10.7	C4S10020	C4D10020
2WT0318	0.33	1	208	6.8	C4S10020	C4D10020
2WT0312	0.33	1	230	4.9	C4S10020	C4D10020
2WT0511	0.5	1	115	14.5	C4S10020	C4D10020
2WT0518	0.5	1	208	8	C4S10020	C4D10020
2WT0512	0.5	1	230	7.3	C4S10020	C4D10020
2WT0538	0.5	3	200	3.8	C4S32540	C4D32540
2WT0532	0.5	3	230	3.3	C4S32540	C4D32540
2WT0534	0.5	3	460	1.7	C4S31625	C4D31625
2WT0537	0.5	3	575	1.4	C4S31625	C4D31625
2WT0718	0.75	1	208	11	C4S10020	C4D10020
2WT0712	0.75	1	230	9.4	C4S10020	C4D10020
2WT0738	0.75	3	200	4.1	C4S34063	C4D34063
2WT0732	0.75	3	230	3.6	C4S32540	C4D32540
2WT0734	0.75	3	460	1.8	C4S31625	C4D31625
2WT0737	0.75	3	575	1.5	C4S31625	C4D31625
2WT1018	1	1	208	14	C4S10020	C4D10020
2WT1012	1	1	230	12.3	C4S10020	C4D10020
2WT1038	1	3	200	6	C4S34063	C4D34063
2WT1032	1	3	230	5.8	C4S34063	C4D34063
2WT1034	1	3	460	2.9	C4S32540	C4D32540
2WT1037	1	3	575	2.4	C4S32540	C4D32540

DIMENSIONS

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

