



ITT

Wastewater

Red Jacket Water Products

REC Submersible
Effluent Pump



 **RED JACKET®**
Water Products

Red Jacket Water Products
is a brand of ITT Corporation.

www.redjacketwaterproducts.com

Engineered for life

FEATURES

- **Capacities:** up to 60 GPM.
- **Total heads:** up to 31 feet.
- **Mechanical seal:** carbon-rotary/ceramic-stationary, BUNA-N elastomers.
- **Temperature:** 104°F (40°C) continuous duty, 140°F (60°C) intermittent duty.
- **Fasteners:** 300 series stainless steel.
- Capable of running dry without damage to components.
- **REC04 Impeller:** Thermoplastic Semi-open design with pump out vanes for mechanical seal protection.
- **REC05 Impeller:** Thermoplastic enclosed design for improved performance.
- **Casing and Base:** Rugged thermoplastic design provides superior strength and corrosion resistance.
- **Motor Housing:** Cast iron for efficient heat transfer, strength, and durability.
- **Motor Cover:** Thermoplastic cover with integral handle and float switch attachment points.
- **Power Cable:** Severe duty rated oil and water resistant 10 and 20 foot cords available.
- **Bearings:** Upper and lower heavy duty ball bearing construction.

AGENCY LISTINGS



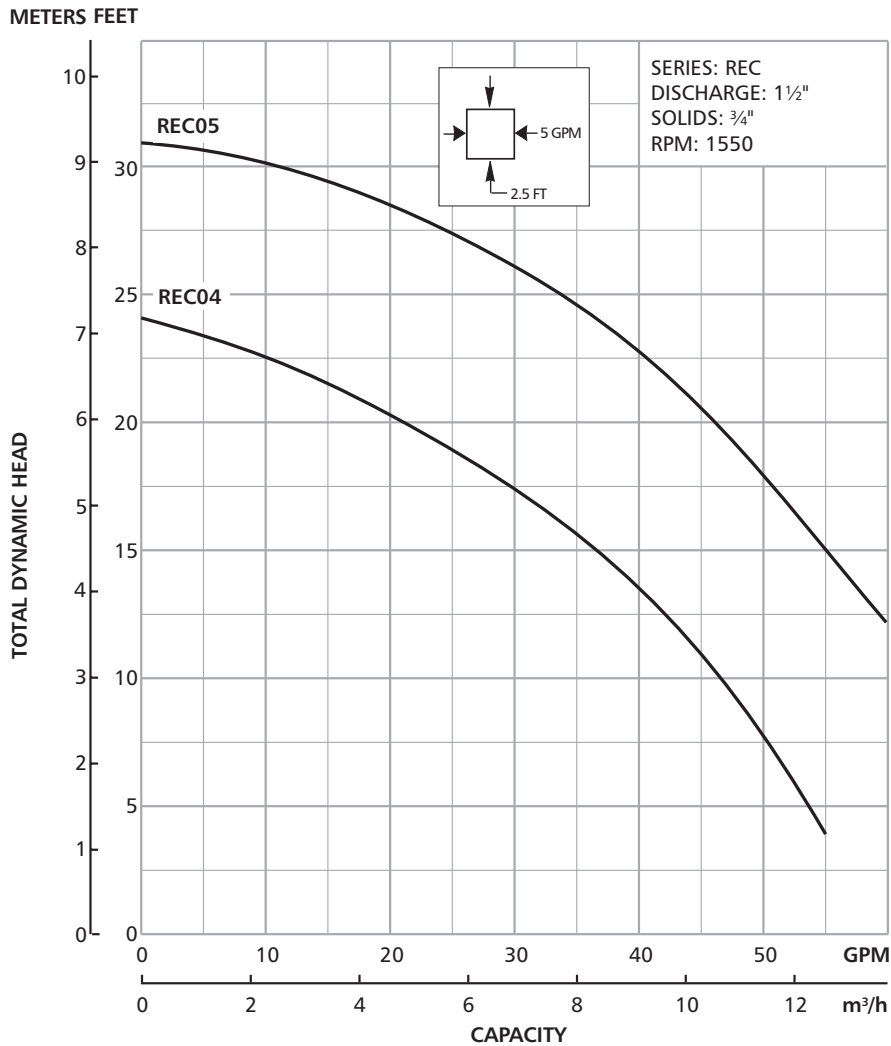
Tested to CSA 22.2
108 Standards
By Canadian Standards Association
File #227637



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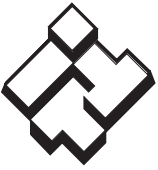
PERFORMANCE CURVE



MOTOR INFORMATION

- Single-phase 115 and 230 volt models available.
- Oil-filled for bearing lubrication and superior cooling.
- Built-in overload with automatic reset.
- .4 and .5 HP
- Class "B" insulation.

Specifically designed for the following uses:
 Effluent systems, homes, farms, heavy duty sump, water transfer and dewatering.



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MODEL INFORMATION

Order No.	HP	Volts	Amps	Min. Circuit Breaker	Phase	Float Switch Style	Cord Length	Discharge Connection	Min. On Level	Min. Off Level	Min. Basin Diameter	Max. Solids Size	Shipping Weight lbs/kg	
REC0411	.4	115	12	20	1	Plug / No Switch	10'	1½"	Manual	Manual	15"	¾"	20 / 9.1	
REC0411A						Piggyback / Wide-Angle	12"		6"	21 / 9.5				
REC0411F						Plug / No Switch	20'		Manual	Manual			20 / 9.1	
REC0411AF						Piggyback / Wide-Angle	12"		6"	21 / 9.5				
REC0412		230	6	10		Plug / No Switch	10'		Manual	Manual			20 / 9.1	
REC0412F		Plug / No Switch	20'	Manual		Manual	20 / 9.1							
REC0511F		.5	115	13		20	Plug / No Switch		20'	Manual			Manual	22/10
REC0511AF							Piggyback / Wide-Angle			12"			6"	23 / 10.4
REC0512F	230				6.5		10	Plug / No Switch		Manual	Manual	22 / 10		

PERFORMANCE CHARTS

These charts show actual system performance with friction loss factored in for various pipe lengths. Calculations and performance based on a system with 1½" PVC, schedule 40 plastic pipe (C150), (4) 90° elbows, (1) check valve and (1) shut-off valve. Gray water requires a minimum scouring velocity of 13 gpm for 1½" pipe.

REC04

Pipe Length (Feet)	GPM									
	Vertical Head (Feet)									
	2	4	6	8	10	12	14	16	18	20
25	52	48	46	43	40	37	33	29	24	17
50	46	44	41	38	36	33	30	26	21	16
75	42	40	37	35	33	30	27	23	19	15
100	39	37	35	33	31	28	25	21	18	14
150	34	33	31	29	27	24	21	18	15	
200	31	29	28	26	24	22	19	17	14	
250	28	27	25	23	22	20	18	16	15	
300	26	25	23	22	20	18	16	14		

REC05

Pipe Length (Feet)	GPM								
	Vertical Head (Feet)								
	3	6	9	12	15	18	21	24	27
25	60	60	56	52	47	43	38	31	22
50	57	53	49	46	42	38	33	27	20
75	51	48	45	42	38	34	29	24	18
100	47	44	42	39	35	31	27	22	16
150	42	39	36	33	30	27	23	19	14
200	37	35	33	30	27	24	21	17	
250	34	32	29	27	24	22	19	15	
300	31	29	27	25	23	20	18	14	

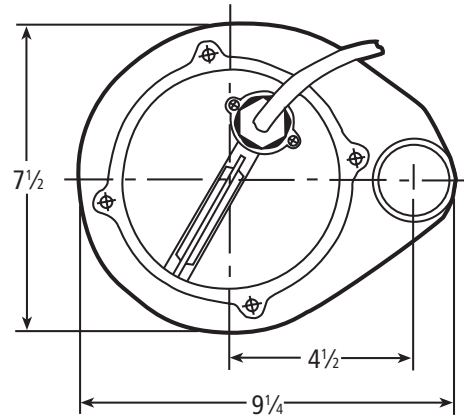
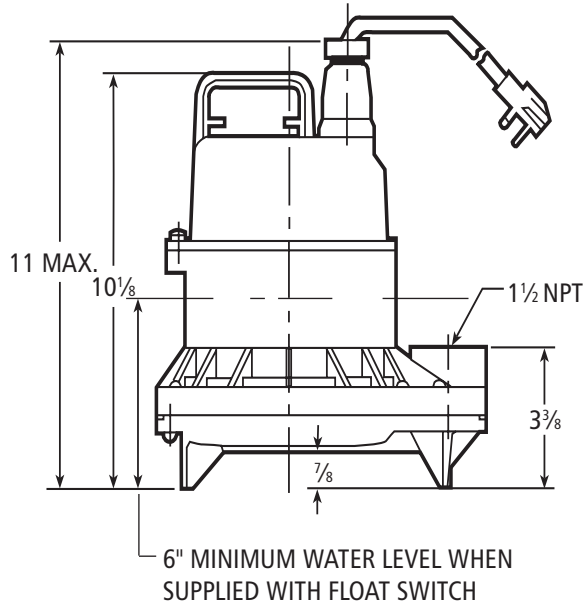


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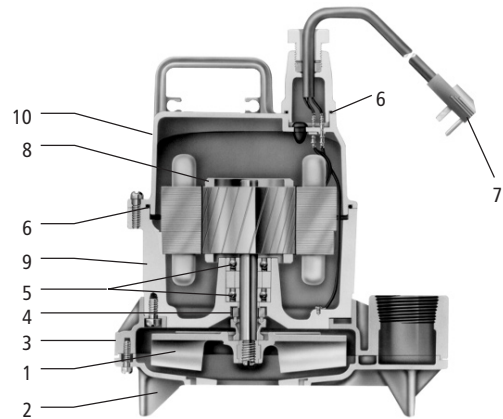
DIMENSIONS

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



COMPONENTS

Item No.	Description
1	Impeller
2	Rugged thermoplastic base
3	Rugged thermoplastic pump casing
4	Mechanical seal
5	Ball bearings
6	O-rings
7	Power cord
8	Oil filled motor
9	Cast iron motor housing/stator assembly
10	Thermoplastic motor cover



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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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