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SECTION: 2.20.030

FM2789

0621

Supersedes

0220

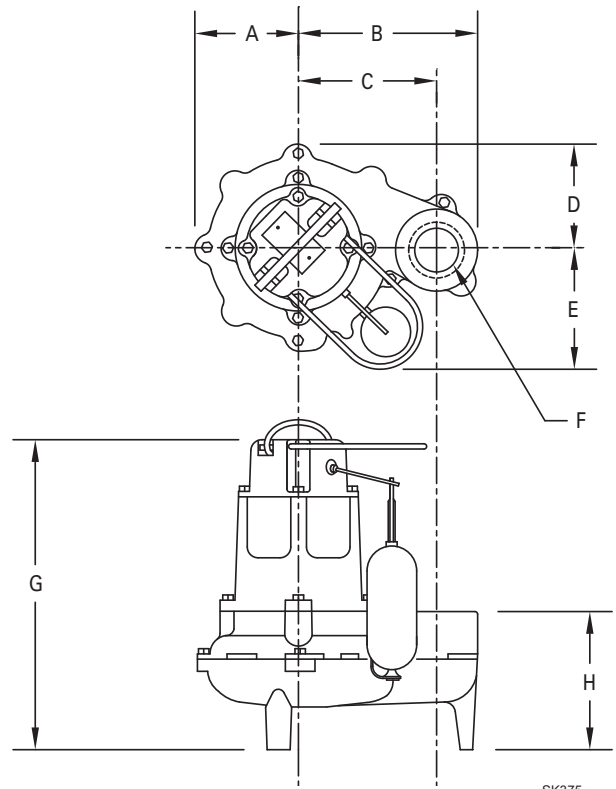
## TECHNICAL DATA SHEET

### WASTE-MATE SERIES

Models 266 & 267 Sewage/\*Effluent or Dewatering Pumps

#### PRODUCT SPECIFICATIONS

<b>MOTOR</b>	Horse Power	1/2
	Voltage	115 - 460
	Phase	1 or 3 Ph
	Hertz	60 Hz
	RPM	1725
	Type	Permanent split capacitor
	Insulation	Class B
	Amps	1.5 - 9.4
<b>PUMP</b>	Operation	Automatic or nonautomatic
	Auto On/Off Points	12" (30 cm) / 4" (10 cm)
	Discharge Size	2" NPT
	Solids Handling	2" (50 mm) spherical solids
	Cord Length	10' (3 m) automatic or 15' (5 m) nonautomatic
	Cord Type	UL listed neoprene cord and plug
	Max. Head	21.5' (6.6 m)
	Max. Flow Rate	128 GPM (484 LPM)
	Max. Operating Temp.	130° F (54° C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload (1 Ph)
	<b>MATERIALS</b>	Cap
Motor Housing		Cast iron
Pump Housing		Cast iron
Base		Cast iron or engineered plastic
Upper Bearing		Sleeve bearing
Lower Bearing		Sleeve bearing
Mechanical Seals		Carbon and ceramic
Impeller Type		Non-clogging vortex
Impeller		Engineered plastic w/ metal insert
Hardware		Stainless steel
Motor Shaft		AISI 1215 cold rolled steel
Gasket		Neoprene
Min. Basin Size		Simplex: 18" x 30" (45.7 x 76.2 cm)
		Duplex: 30" x 36" (76.2 x 91.4 cm)



SK375

NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps. See model comparison chart for specific details.

\* May be used in those states where codes do not restrict solids size in effluent systems.

#### MODEL DIMENSIONS

MODEL	A	B	C	D	E	F	G	H
266	4-3/4" (12.1 cm)	8-5/16" (21.1 cm)	6-13/32" (16.3 cm)	4-13/16" (12.2 cm)	6-7/32" (15.8 cm)	2" NPT	14-1/4" (36.2 cm)	6-3/8" (16.2 cm)
267	4-3/4" (12.1 cm)	8-5/16" (21.1 cm)	6-13/32" (16.3 cm)	4-13/16" (12.2 cm)	6-7/32" (15.8 cm)	2" NPT	14-5/16" (36.4 cm)	6-7/16" (16.4 cm)



Tested to Standard UL778 and Certified to CSA Standard C22.2 No. 108



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## SELECTION GUIDE

1. Integral float operated mechanical switch, no external control required.
2. For automatic use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
3. See FM1228 for correct model of simplex control panel.
4. See FM0712 for correct model of duplex control panel or FM1663 for a residential alternator system.

## SPECIAL MODEL FEATURES

- Model 266 features a plastic base.
- Model 267 feature a cast iron base.
- Model 267 is available with a cast iron impeller, which is standard on all 3 Ph units.
- BN and BE models include a variable level pump switch.
- Additional cord lengths are available in 15' (5 m), 35' (11 m) and 50' (15 m).

## CONSULT FACTORY FOR SPECIAL APPLICATIONS

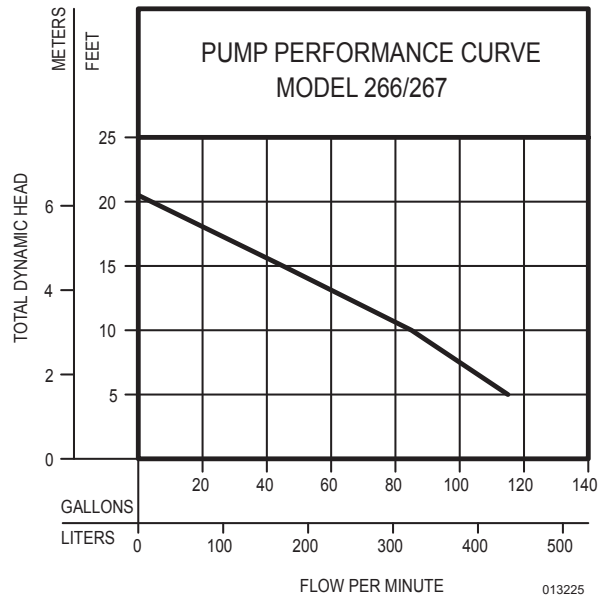
- Minimum recommended basin size (Small load applications)  
Simplex - 18" x 30" (45.7 x 76.2 cm)  
Duplex - 30" x 36" (76.2 x 91.4 cm)
- High water alarms available

### Standard All Models:

266 - Weight 41 lbs. (18.6 kg)  
267 - Weight 47.5 lbs. (21.5 kg)

For "M" and "D" models, the approximate volume pumped out per cycle are:

Tank Diameter	Volume Pumped
18" Simplex	8 Gal (30.2 L)
24" Simplex	15 Gal (56.8 L)
30" Duplex	22 Gal (83.3 L)
36" Duplex	33 Gal (124.9 L)
48" Duplex	60 Gal (227.1 L)



MODEL		266/267	
Feet	Meters	Gal.	Liters
5	1.5	115	435
10	3.0	85	322
15	4.6	45	170
Shut-off Head:		20.5 ft.(6.2 m)	

**CAUTION** Maximum temperature of sewage or dewatering must be limited to 130°F (54°C). For over 130°F (54°C), special quotation required.

Model	MODEL COMPARISON											CERTIFICATIONS	
	Seal	Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex	cCSAus	UL
M266/BN266	Single	Auto	115	1	9.4	1/2	60	41.0	19	1	4	Y	Y
N266	Single	Non	115	1	9.4	1/2	60	41.0	19	2 or 3	2 or 4	Y	Y
D266/BE266	Single	Auto	230	1	5.5	1/2	60	41.0	19	1	---	Y	Y
E266	Single	Non	230	1	5.5	1/2	60	41.0	19	2 or 3	4	Y	Y
H266	Single	Auto	200-208	1	6.2	1/2	60	41.0	19	1	---	Y	N
I266	Single	Non	200-208	1	6.2	1/2	60	41.0	19	3	4	Y	N
J266	Single	Non	200-208	3	2.6	1/2	60	41.0	19	3	4	Y	Y
F266	Single	Non	230	3	2.6	1/2	60	40.0	18	3	4	Y	Y
G266	Single	Non	460	3	1.5	1/2	60	40.0	18	3	4	Y	Y
M267/BN267	Single	Auto	115	1	9.4	1/2	60	47.5	22	1	4	Y	Y
N267	Single	Non	115	1	9.4	1/2	60	47.5	22	2 or 3	4	Y	Y
D267/BE267	Single	Auto	230	1	5.5	1/2	60	47.5	22	1	---	Y	Y
E267	Single	Non	230	1	5.5	1/2	60	47.5	22	2 or 3	4	Y	Y
H267	Single	Auto	200-208	1	6.2	1/2	60	47.5	22	1	---	Y	N
I267	Single	Non	200-208	1	6.2	1/2	60	47.5	22	3	4	Y	N
J267	Single	Non	200-208	3	2.6	1/2	60	47.5	22	3	4	Y	Y
F267	Single	Non	230	3	2.6	1/2	60	47.5	22	3	4	Y	Y
G267	Single	Non	460	3	1.5	1/2	60	47.5	22	3	4	Y	Y

**CAUTION** All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).