

# SUBMERSIBLE SUMP PUMPS

## MS SERIES

### APPLICATIONS

The MS Series Submersible Sump Pumps are designed for many light-duty jobs, including drain water removal or permanent applications with small amounts of debris.

### FEATURES

- ◆ Maintenance free operation.
- ◆ Wide-angle for 14" or larger sumps. Vertical switch or diaphragm switch for small 10" or larger sumps.
- ◆ Dual ball-bearing motor and double lip seal provide durability and longer pump life.
- ◆ Durable PSC motor for years of service.
- ◆ Oil-filled motor for maximum heat dissipation, continuous bearing lubrication.
- ◆ Thermal overload protection with automatic reset.

### SPECIFICATIONS

- ◆ **Capacities:** 53 GPM/63 GPM
- ◆ **Shut-Off Head:** 25' (7.6 m)
- ◆ **Tethered Operation:** When On = 14" (356mm); When Off = 5" (127 mm)
- ◆ **Vertical Operation:** When On = 7-1/2" (190.5 mm); When Off = 3" (76 mm)
- ◆ **Diaphragm Operation:** When On = 9-1/2" (241 mm); When Off = 5" (127 mm)
- ◆ **Solids Handling:** 1/4" (6.4 mm)
- ◆ **Liquids Handling:** Drain water
- ◆ **Intermittent Liquid Temp:** Up to 140°F (60°C)
- ◆ **Motor:** 1/3 HP performance or 1/2 HP PSC motor
- ◆ **Electrical Data:** 3000 RPM, 115V, 1Ø, 60Hz FLA 1/3 HP = 3.9, 1/2 HP = 4.1
- ◆ **Acceptable pH Range:** 6-9
- ◆ **Shaft Seal:** Double lip
- ◆ **Motor Housing:** Corrosion resistant material
- ◆ **Volute Case:** Cast iron
- ◆ **Power Cord:** 10' (25.4 m)
- ◆ **Discharge NPT:** 1-1/2"
- ◆ **Tethered Float Min. Sump Dia.:** 14" (356 mm)
- ◆ **Vertical Float or Diaphragm Switch Min. Sump Dia.:** 10" (254 mm)



Tested & Certified to UL778 and CSA 108.  
**3 Year Warranty**

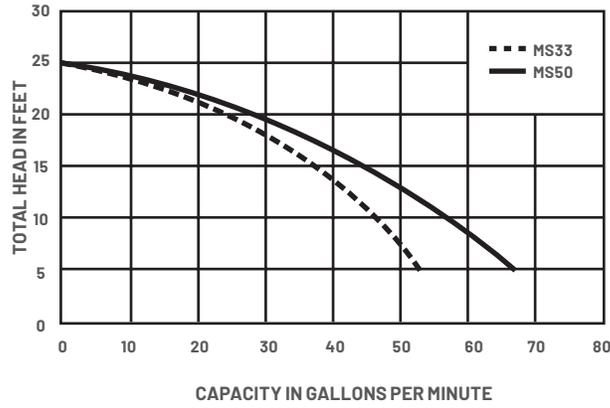
### ORDERING INFORMATION

MODEL NUMBER	HP	MAX CAPACITY	MAX HEAD	DISCHARGE NPT	SOLIDS HANDLING	VOLTS	FULL LOAD AMPS	PHASE	CORD LENGTH	SWITCH
MS33V10	1/3*	53	25	1-1/2"	1/4"	115	3.9	1	10'	PV
MS33D10	1/3*	53	25	1-1/2"	1/4"	115	3.9	1	10'	PD
MS33T10	1/3*	53	25	1-1/2"	1/4"	115	3.9	1	10'	PT

\* 1/3 HP performance

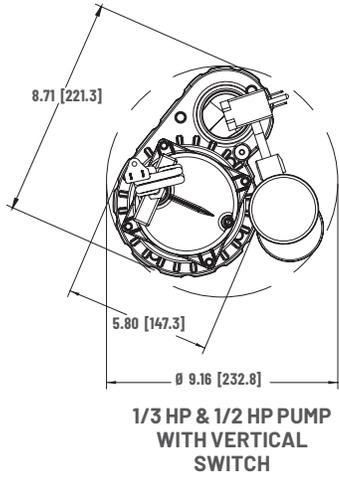
All float switches are piggyback.

## PUMP PERFORMANCE



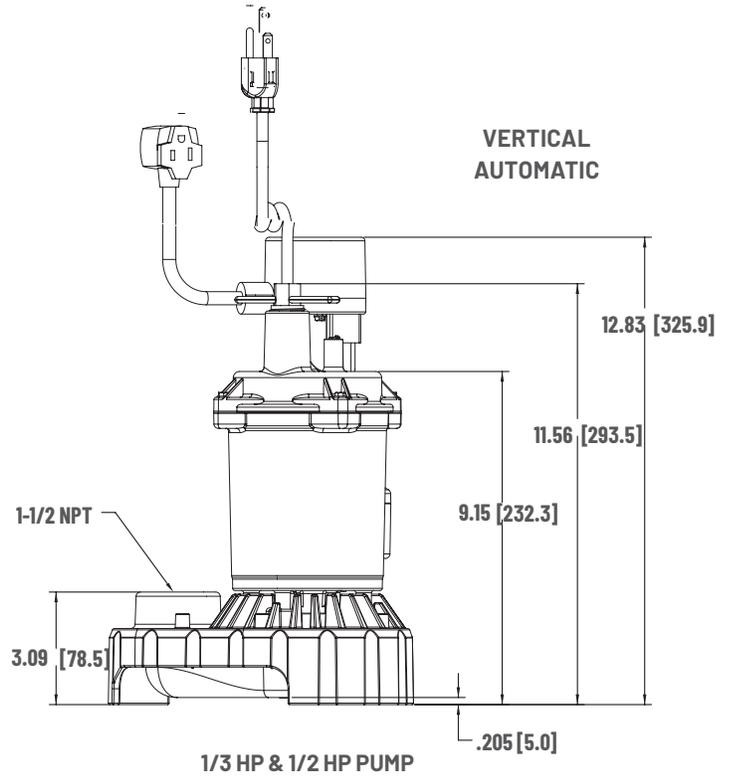
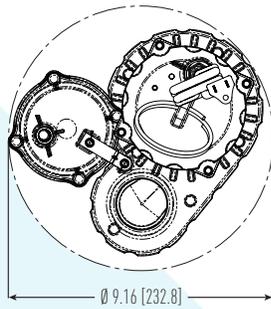
## DIMENSIONS

### VERTICAL AUTOMATIC



1/3 HP & 1/2 HP PUMP WITH VERTICAL SWITCH

### DIAPHRAGM AUTOMATIC



1/3 HP & 1/2 HP PUMP



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