

DELTA ENVIRONMENTAL®

DE50/DE50H/DE100 SERIES

Cast Iron Submersible Effluent Pumps

The DE50/DE50H/DE100 Series Pumps are rugged, submersible cast iron pumps with a solids handling, semiopen impeller and solids handling capability to 3/4". Unit has a 1/2 or 1 hp single or three phase motor complete with power cord. 2" NPT vertical discharge is standard. A full selection of accessories for automatic operation is available, and includes float switches, duplex controllers, simplex controllers, alarms, basins and check valves.

Applications

- Effluent and wastewater removal
- Sump drainage
- Dewatering
- Flood control

Features

- Bearings and mechanical seal permanently lubricated for long life.
- Rugged cast iron pump body and motor housing for applications needing a durable pump.
- Solids handling vortex style impeller, pump-out vanes for seal protection.
- Built-in thermal overload protection with automatic reset on single phase.
- Cord design prevents oil loss from and moisture protection for motor.
- Heavy-duty lift-out ring, field serviceable.
- 3/4" spherical capability solids handling.
- Stainless steel hardware allows for easy disassembly after extended service.
- Standard controls available for automatic operation.
- Mechanical float (non mercury).
- Silicon carbide seals.



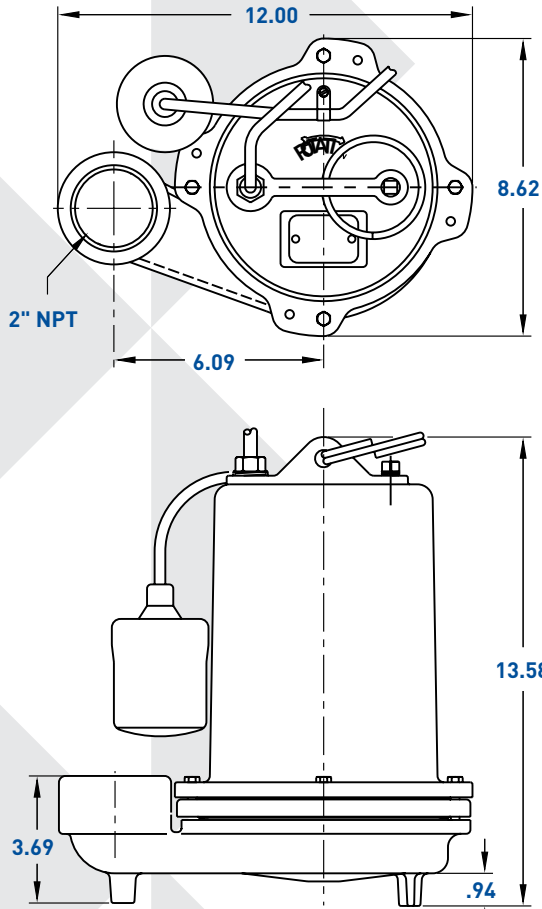
Pump Specifications	
Volute Casing	Cast iron
Upper and Lower Motor Housing	Cast iron
Impeller	Cast iron
Mechanical Seal	Type 6A or equal, Buna-N elastomers, silicon carbide sealing faces, stainless steel metal parts
Bearings	Ball type, oil lubricated
Exterior Hardware and Nameplate	Stainless steel
Motor	1/2 and 1 hp, 3450 RPM, 115V (1/2 hp only) or 230V single phase or 208 – 230/460V three phase, 60 Hz. Oil-filled. Built-in thermal overload protection with automatic reset and permanent split capacitor on single phase only. Stainless steel motor shaft and impeller lock nut.
Power Cord	Single Phase: 20' oil and water resistant 16 – 3 SJTW-A/ SJTW with integrally grounded 3-prong plug. UL Listed. Three Phase: 20' oil and water resistant 16 – 4 STW-A/STW.
Maximum Liquid Temperature	130°F 55°C
Agency Listing	CSA

In order to provide the best products possible, specifications are subject to change.

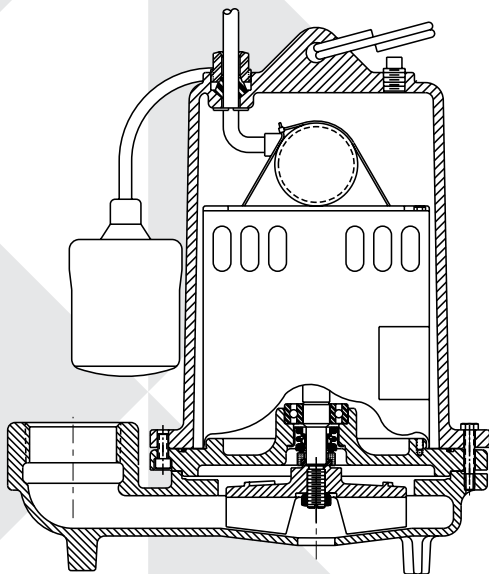


Dimensional Data

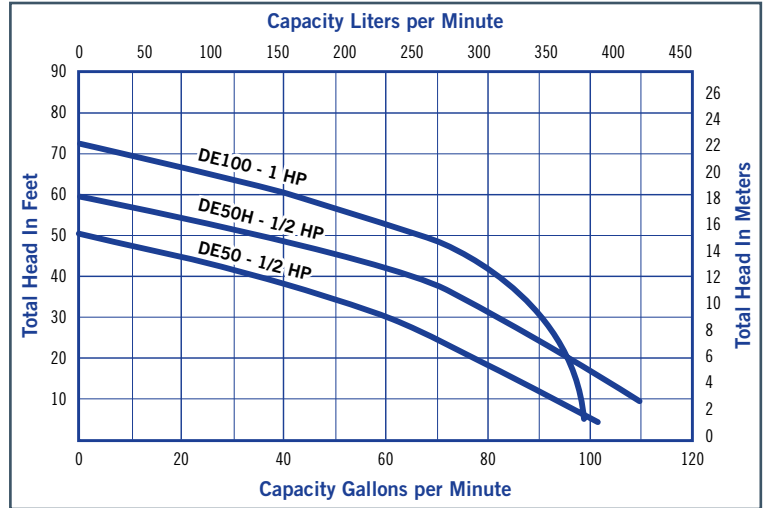
Dimensions (in inches) are for estimating purposes only.



Sectional View



Pump Performance



Ordering Information								
Catalog Number	HP	Max. Load Amps	Volts	Phase/Cycle	Cord Length	Mechanical Switch Type	Switch Setting	
							On	Off
DE50-20-M1	1/2	12.0	115	1/60	20'	Manual	-	-
DE50-20-A1	1/2	12.0	115	1/60	20'	Tethered	18.1"	9.1"
DE50H-20-M1	1/2	13.0	115	1/60	20'	Manual	-	-
DE50H-20-A1	1/2	13.0	115	1/60	20'	Tethered	18.1"	9.1"
DE50H-20-M2	1/2	6.4	230	1/60	20'	Manual	-	-
DE100H-20-M2	1	6.6	230	1/60	20'	Manual	-	-



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.
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