



Sentinel® Pump and Motor

Application

MEPCO Sentinel® Condensate Pump and Motors are designed to partner with MEPCO designed condensate tanks and can be used on major manufactures of condensate pump systems (in some cases an adaptor plate is required). The Sentinel® Pumps are durable closed coupled centrifugal pumps with dynamically balanced impellers that are mounted to the shaft extension of an efficient 3450 RPM motor. The volute designed pump casing and attached motor adapter form the impeller enclosure. Pumps are furnished with high temperature carbon-ceramic mechanical seals rated at 250° F as standard.



Features

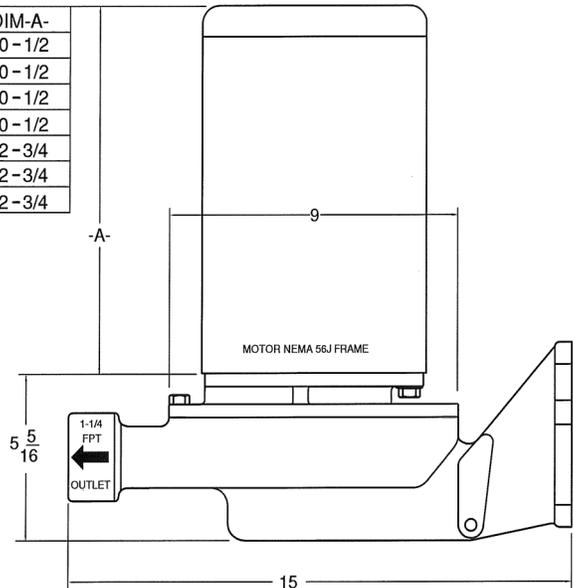
Specifications

- Capacities Range of 10,000 - 50,000 EDR
- Flow Rates of 15 - 75 GPM
- Discharge Pressures of 20 - 80 PSIG
- Motor Range of 1/3 - 3 HP
- Single Phase 115v-230v
- Three Phase 208v/230v - 460v

Materials

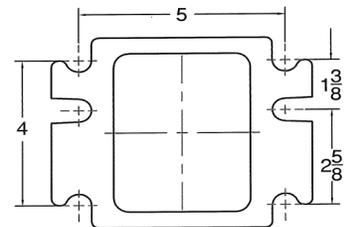
Description	Material	Option
Case	Cast Iron	
Adapter	Cast Iron	
Impeller	Brass	
Mechanical Seal	Buna N	EPT or Viton
O-Ring	Buna N	EPT or Viton

HP	DIM-A-
1/3	10 - 1/2
1/2	10 - 1/2
3/4	10 - 1/2
1	10 - 1/2
1-1/2	12 - 3/4
2	12 - 3/4
3	12 - 3/4



Maximum Operating Conditions

RPM	3450		
HP	3		
Seals	Buna N 250°F	EPT 300°F	Viton 400°F
175 PSI Maximum Working Pressure			

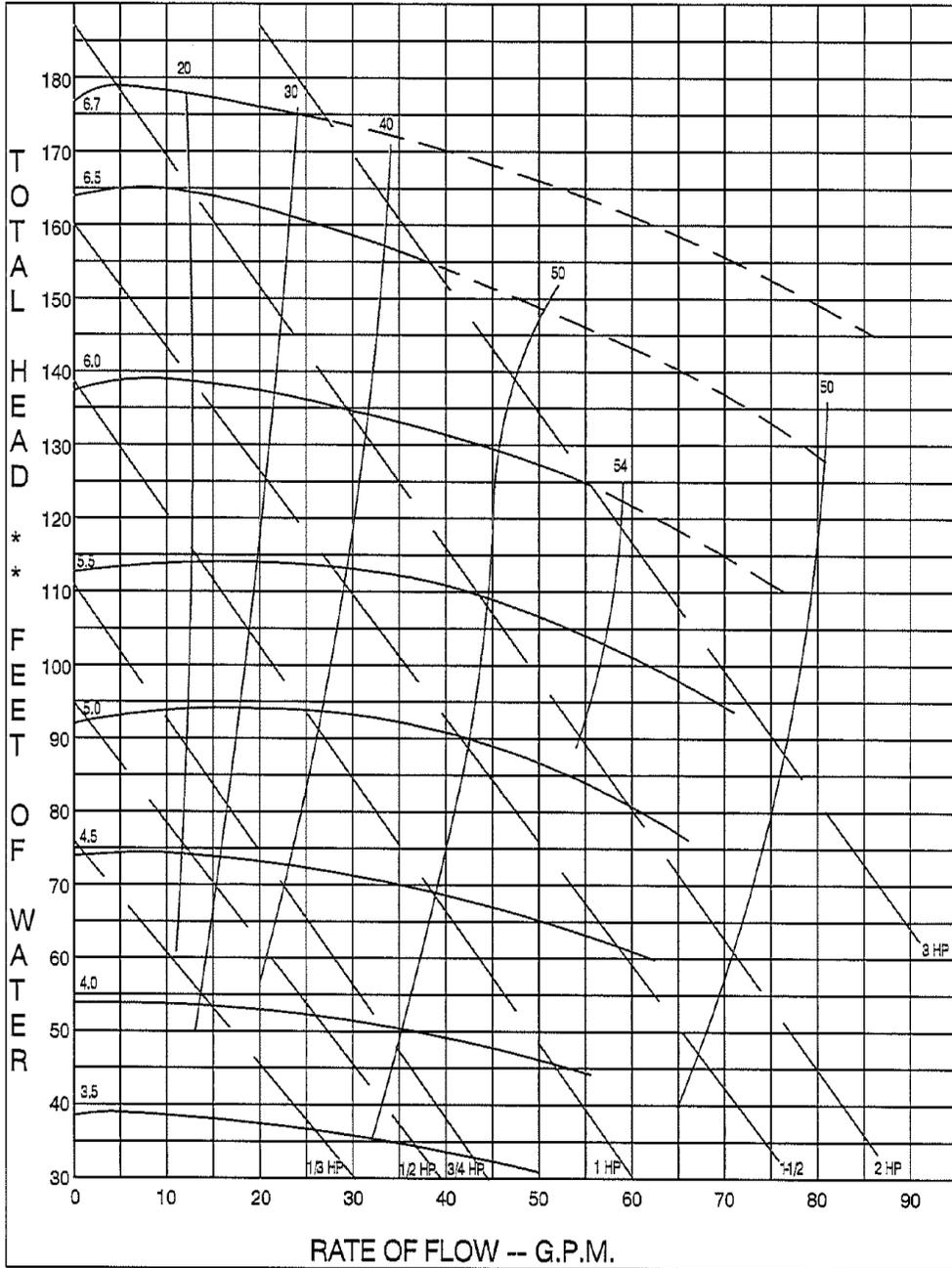


FLANGE BOLT MOUNT DIMENSIONS

Note: We reserve the right to make revisions to its products, specifications, forms and related information without notice.

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MODEL SC 1-1/4 3450
TANK MOUNTED CENTRIFUGAL PUMP



- Notes: 1) Horsepower curves include the service factor of standard NEMA 56J motors.
2) CAUTION! GPM / head curves that are shown dashed --- are values beyond the SC 1-1/4 HP capacity and should not be allowed to operate in those areas as overload and damage to the motor will occur.