CSPET

SS END SUCTION CENTRIFUGAL PUMPS

CSPET is an end-suction centrifugal pump. The water pump was designed taking into consideration the features needed to guarantee complete customer satisfaction, including:

- Close coupled design – saves space; simplifies maintenance and installation
- Stainless steel liquid end components – high quality; corrosion resistance
- Versatile mounting – can be installed horizontally or vertically
- Back pullout construction – allows for assembly and overhaul of the impeller and seal without distorting suction and discharge connections
- Top centerline discharge and foot support under casing – ensures self-venting and reduces misalignment from pipe loads
- High-efficiency – lowers operating costs
- High quality mechanical shaft seals and o-rings – available for standard pumping requirements, or optional high temperature and chemical duty operation
- Available as a complete pump or as a kit

Applications

- Pressure Boosting.
- Plant Services.
- Irrigation.
- Water Supply Systems.
- Liquid Transfer.
- Reverse osmosis.
- Ultrapure Water Systems.
- Water Reclamation and Treatment.
- Air Conditioning Systems.

Operating Conditions

- Suction Size: 1 1/4" NPT Thread
- Discharge Size: 1" NPT Thread
- Power Range: 1 - 3 hp
- Capacity: 20 - 55 gpm
- Head: 46 - 110 feet
- Liquid: Clean Water



Pump Construction

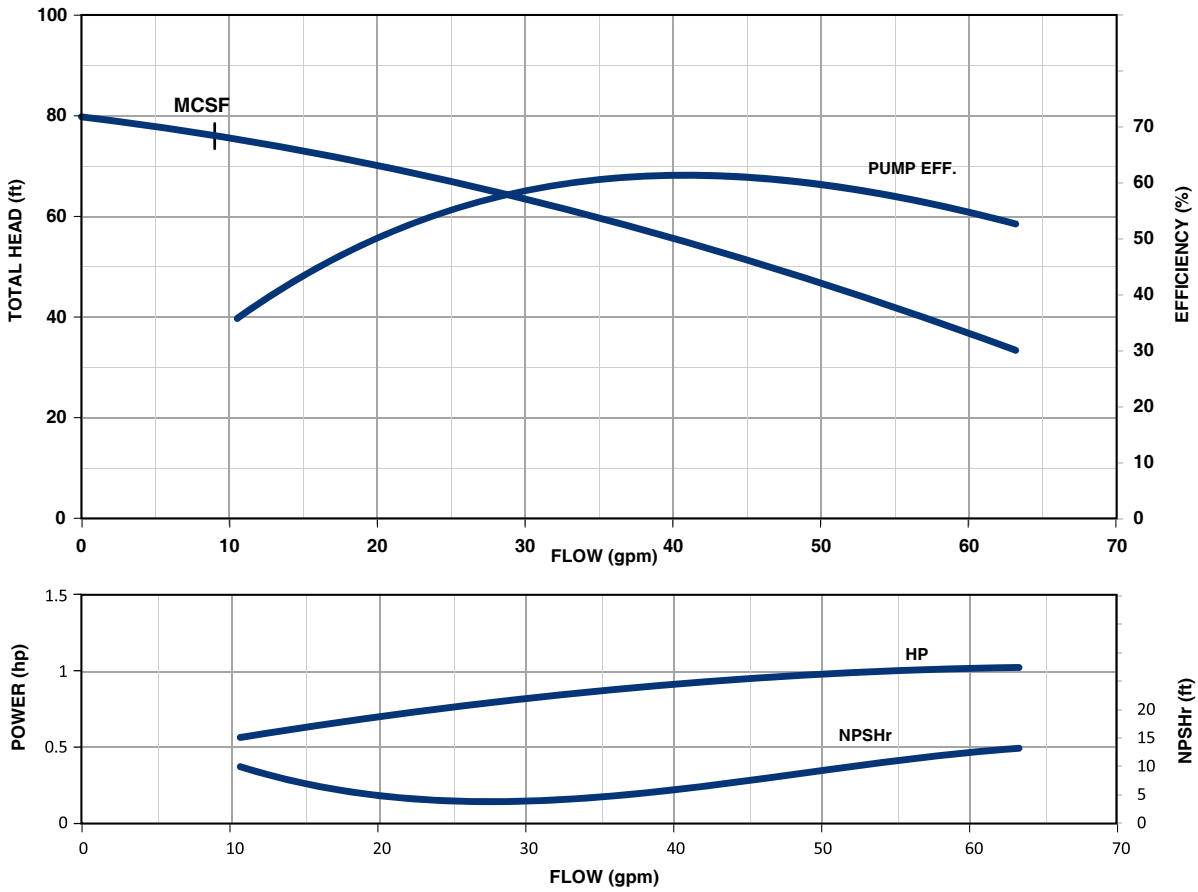
- Threaded ports NPT
- Two-stage pump with NEMA configuration
- 304L Stainless Steel Casing
- 304L Stainless Steel Impeller (closed type)
- Stainless Steel Shaft
- Aluminum Bracket
- Type 21 Mechanical Seal
- Ball Bearing

Motor

- 1 - 3 HP
- 56J frame
- Available in ODP or TEFC construction
- Sturdy steel frame
- Cast aluminum end plates with steel bearing seat inserts for mechanical reliability
- Automatic thermal overload protection
- Corrosion resistant stainless steel shaft extension
- Slotted opposite DE shaft for easy installation
- Optimized airflow design providing higher horsepower in a smaller package

CSPET50 10
SS END SUCTION CENTRIFUGAL PUMPS

Performance curves



CSPET50 10 - Threaded Ports - TEFC Motor

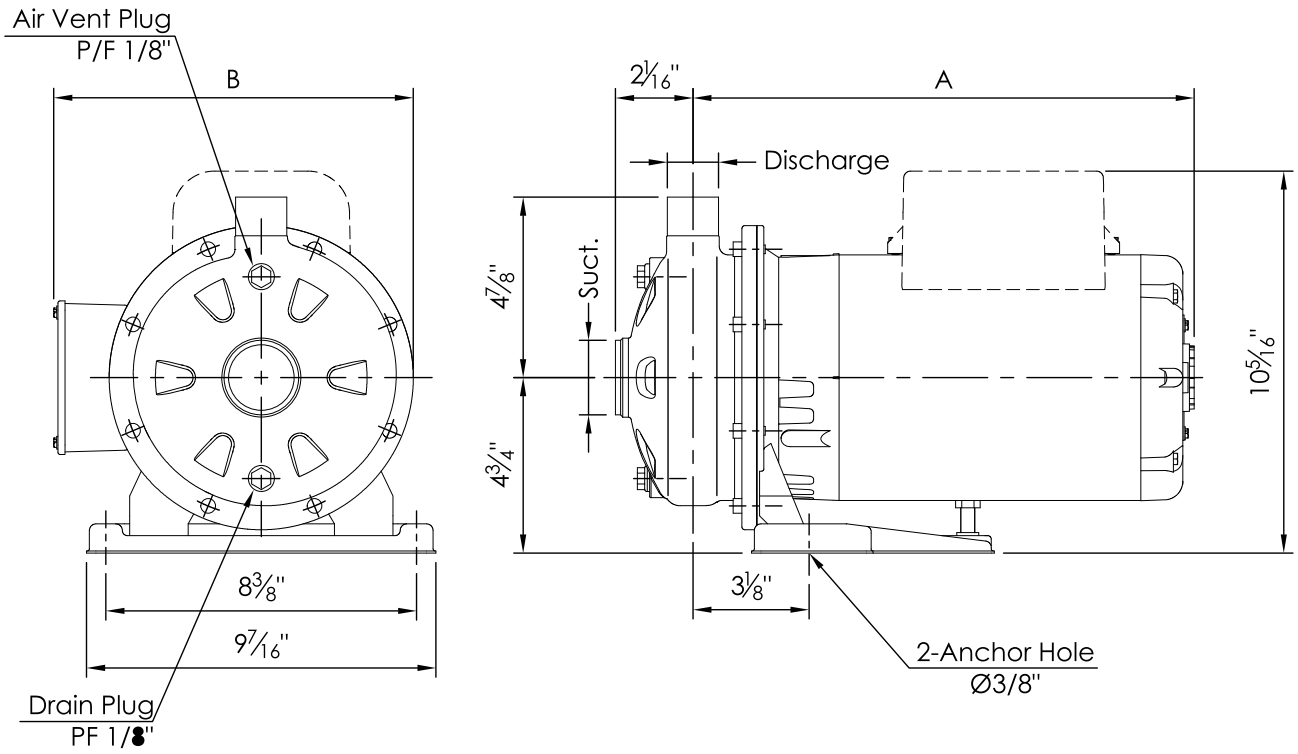
MODEL	HP	MOTOR	VOLT	PHASE	MAX. AMP	SUCT.	DISCH.	WEIGHT [lbs]
CSPET50 10F16BTS	1	MVB 10F16T-056JS	115/230	1	12.0 / 6.0	1 1/4"	1"	46
CSPET50 10H36BTS	1	MVB 10H36T-056JS	230/460	3	3.2 / 1.6	1 1/4"	1"	32

CSPET50 10 - Threaded Ports - ODP Motor

MODEL	HP	MOTOR	VOLT	PHASE	MAX. AMP	SUCT.	DISCH.	WEIGHT [lbs]
CSPET50 10F16BOS	1	MVB 10F16O-056JS	115/230	1	14.0 / 7.0	1 1/4"	1"	41
CSPET50 10H36BOS	1	MVB 10H36O-056JS	230/460	3	3.2 / 1.6	1 1/4"	1"	33

CSPET50 10
SS END SUCTION CENTRIFUGAL PUMPS

Dimensions



MODEL	SIZE	PUMP SIZE - NPT (IN)		DIMENSION (IN)		UNIT WEIGHT (LBS.)			
		SUCTION	DISCHARGE	A	B	SINGLE PHASE		THREE PHASE	
						ODP	TEFC	ODP	TEFC
CSPET50 10	1 x 1¼ x 4 1/2	1¼	1	15 11/16	9 1/8	41	46	33	32