C2SPET

SS END SUCTION CENTRIFUGAL PUMPS

C2SPET 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
- Water Supply Systems
- Liquid Transfer
- Reverse Osmosis
- Ultrapure Water Systems
- Water Treatment
- Irrigation
- Air Conditioning Systems

Operating Conditions

- Suction Size: 1 1/4" NPT Thread
- Discharge Size: 1" NPT Thread
- Power Range: 0.5 - 0.75 hp
- Capacity: 10 - 23 gpm
- Head: 160 - 180 feet
- Liquid: Clean Water

Pump Construction

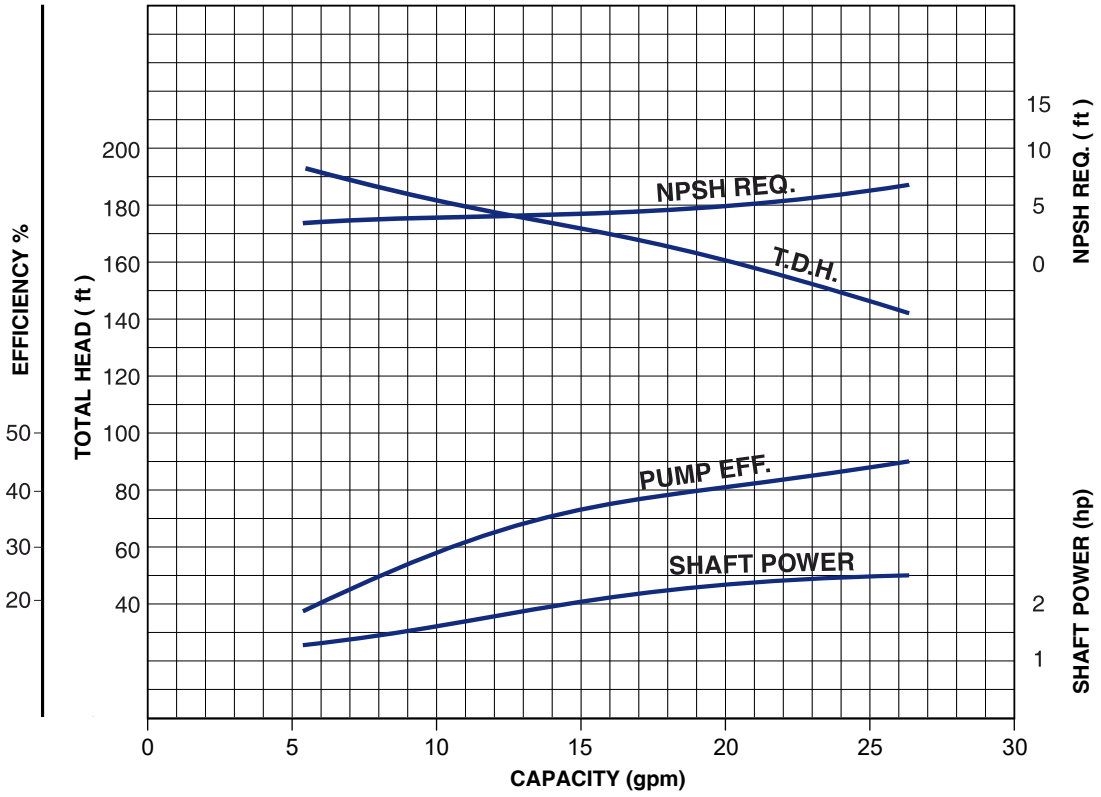
- Suction Size: 1 1/4" to 1 1/4" NPT Thread
- Discharge Size: 1" NPT Thread
- Power Range: 1/2 to 3 hp
- Capacity: 5 to 52 gpm
- Head: 3 to 220 feet
- Liquid: Clean Water

Motor

- 0.5 - 0.75 HP
- 56J frame
- Available in ODP or TEFC construction
- Strong steel frame
- Cast aluminum end plates with steel bearing seat inserts for mechanical reliability
- Automatic thermal overload protection
- Corrosion resistant stainless steel shaft extension
- Optimized airflow design providing higher horsepower in a smaller package

C2SPET20 20
SS END SUCTION CENTRIFUGAL PUMPS

Performance curves



C2SPET20 20 - Threaded Ports - TEFC Motor

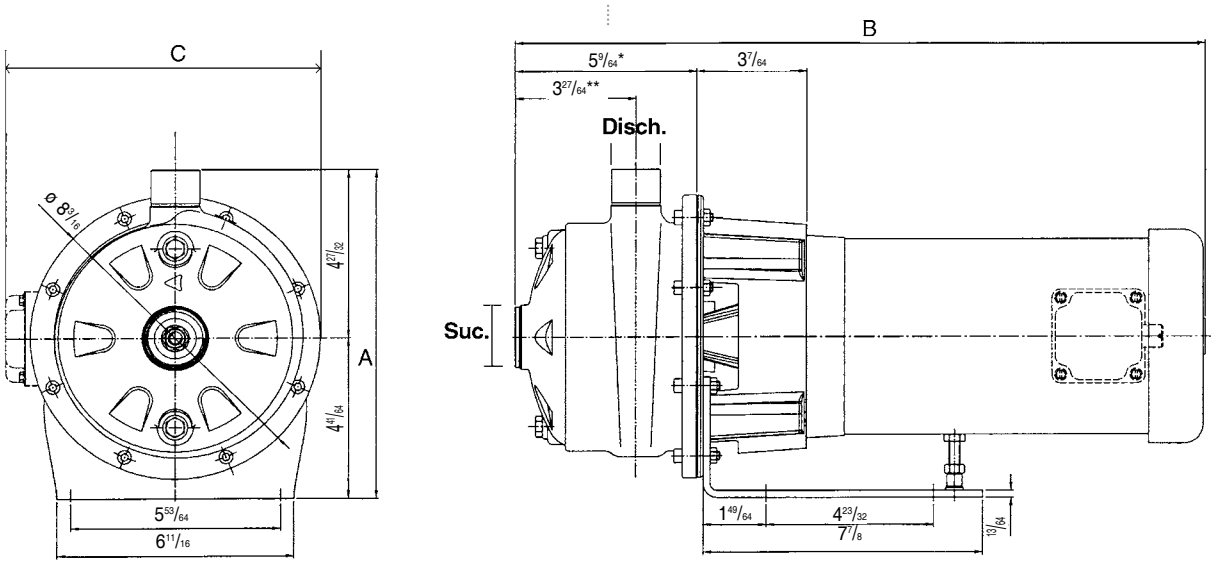
MODEL	HP	MOTOR	VOLT	PHASE	MAX. AMP	SUCT.	DISCH.	WEIGHT [lbs]
C2SPET20 20F16BTS	2	MVB 20F16T-056JS	115/230	1	23.0 / 11.5	1 1/4"	1"	65
C2SPET20 20H36BTS	2	MVB 20H36T-056JS	230/460	3	5.0 / 2.5	1 1/4"	1"	45

C2PET20 20 - Threaded Ports - ODP Motor

MODEL	HP	MOTOR	VOLT	PHASE	MAX. AMP	SUCT.	DISCH.	WEIGHT [lbs]
C2SPET20 20F16BOS	2	MVB 20F16O-056JS	115/230	1	26.0 / 13.0	1 1/4"	1"	55
C2SPET20 20H36BOS	2	MVB 20H36O-056JS	230/460	3	5.4 / 2.7	1 1/4"	1"	50

C2SPET20 20
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
C2SPET20 20	1 1/4	1	9.77	20.27	7.323	55	65	50	45