

MYERS® CT Series-Crusader Centrifugal Pumps

Crusader centrifugal pumps are designed to meet your toughest pumping requirements. Rugged cast iron construction can be coupled with either a corrosion resistant composite, or a lead-free brass impeller. Versatile design features allow Crusader pumps to be installed with either a vertical or horizontal discharge. The CT Series is ideal for irrigation, air conditioning, cooling tower and booster applications.

APPLICATIONS

- Booster service, irrigation, circulating, cooling towers, air conditioning, liquid transfer, sprinkling systems, general industrial service, OEM equipment

SPECIFICATIONS

Seal Plate – Heavy-duty cast iron

Wear Ring Impeller – Reinforced composite with stainless steel

Standard Casing – Heavy-duty cast iron

Mechanical Seal – Carbon ceramic faces



FEATURES

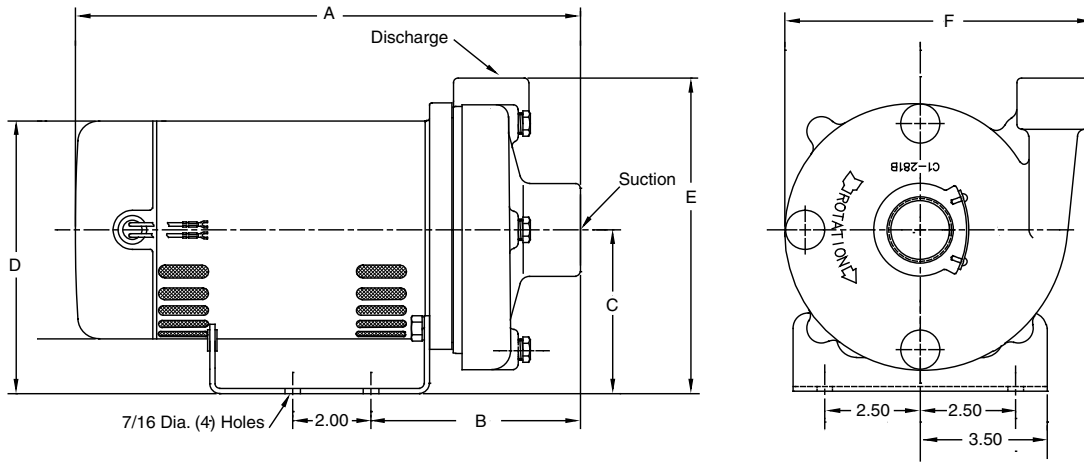
- 1/2 to 2-1/2 HP models
- High Head Capabilities to 140 Feet
- Flow Capacities to 95 GPM
- Double Ball-bearing Motor
- Continuous-duty Rated
- Single Phase – (115/230V)
- Three Phase – (208/230/460V)
- Choice of Impellers – Composite impeller rated to 140°F, Brass impeller rated to 212°F
- Maximum Working Pressure of 125 PSI
- Choice of Complete Unit or Pump End Assembly

ORDERING INFORMATION

Catalog Number				HP	WT (lb/kg)	Capacity in U.S. Gallons per Minute Total Head in Feet								Pipe Size	
Composite Impeller		Brass Impeller				50	60	70	80	90	100	110	Suction	Discharge	
115-230 Volt		208/230/460 Volt													
1 Phase	3 Phase	1 Phase	3 Phase												
CT05	CT053	CT05B	CT05B3	1/2	39/18	23	18	12					1-1/4"	1"	
CT07	CT073	CT07B	CT07B3	3/4	42/19	35	29	23	15				1-1/4"	1"	
CT10	CT103	CT10B	CT10B3	1	43/20	44	39	34	27				1-1/4"	1"	
CT15	CT153	CT15B	CT15B3	1-1/2	54/25		51	46	42	36	28		1-1/4"	1"	
CT20	CT203	CT20B	CT20B3	2	66/30			62	54	45	35		1-1/2"	1-1/4"	
CT25	CT253	CT25B	CT25B3	2-1/2	74/34			70	63	57	48	41	2"	1-1/2"	

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OUTLINE DIMENSIONS

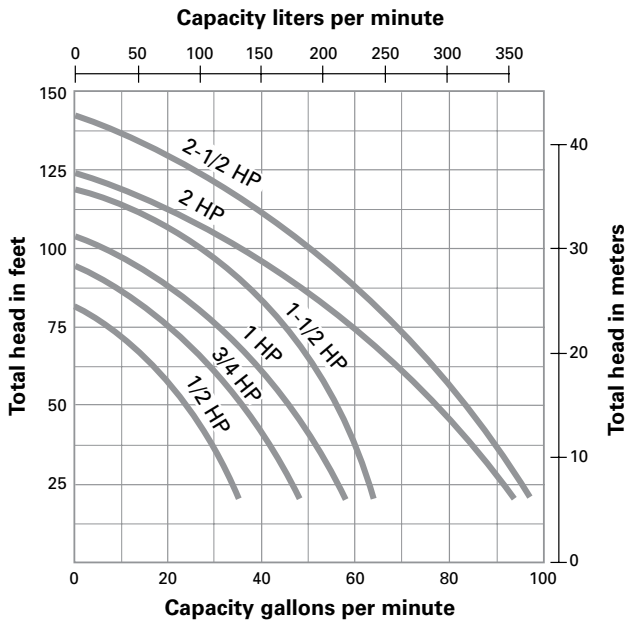


HP	A	B	C	D	E	F
1/2	13.88	5.5	4.38	7.25	9.0	8.0
3/4	14.63	5.5	4.38	7.25	9.0	8.0
1	15.13	5.5	4.38	7.25	9.0	8.0

HP	A	B	C	D	E	F
1-1/2	15.125	5.5	4.8	7.25	9.0	8.0
2	16.50	6.25	4.5	7.5	9.5	8.88
2-1/2	16.50	6.25	4.5	7.5	9.5	8.88

Dimensions (in inches) are for estimating purposes only.

PUMP PERFORMANCE



HP	Discharge Pressure		Dynamic Suction Lift				
	PSI	Feet Head	5'	10'	15'	20'	25'
1/2	10	23.1	—	34	32	29	26
	20	46.2	25	21	18	15	11
	30	69.3	10	—	—	—	—
3/4	10	23.1	—	—	42	39	37
	20	46.2	35	32	30	28	26
	30	69.3	24	22	19	15	10
1	20	46.2	48	46	45	43	40
	30	69.3	38	35	31	28	25
	40	92.4	23	20	15	—	—
1-1/2	20	46.2	62	60	58	55	52
	30	69.3	50	48	44	40	37
	40	92.4	37	32	29	22	—
2	20	46.2	71	68	66	62	60
	30	69.3	60	57	52	59	45
	40	92.4	45	40	36	31	24
	50	115.5	22	15	—	—	—
2-1/2	20	46.2	81	79	76	74	71
	30	69.3	69	67	63	60	56
	40	92.4	56	51	47	44	38
	50	115.5	33	30	22	15	—

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



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