

Centrifugal sprinkler water pump







Features

THOR is a self priming centrifugal pump. The pump was designed taking into consideration all the features needed to guarantee complete customer satisfaction, such as:

All components were designed to assure the best performance and relability.

THOR's construction is it suitable for outdoor applications.

THOR is used in irrigation systems where high flow is important at pressures necessary for efficient irrigation. THOR also has applications in Air Conditioning, Water Recirculation, Residential Water Supply, Pressure Booster and many other applications.

Its construction makes THOR suitable for indoor and outdoor installations.

Applications

- Lifting water containing air or other gases
- Water recirculation
- Irrigation systems
- Lifting capability up to 25 ft.

Operating Conditions

- Liquid temperature: 32 °F 150 °F
- Maximum working pressure: 125 PSI
- Continuous duty

Construction

- Closed coupled self-priming centrifugal pump
- High quality components for domestic water supply and irrigation in respect to low lead requirements
- Connections threaded ports NPT
- All hardware in Stainless Steel
- Pre-drilled priming port with plug
- Pre-drilled drain port with plug for maintenance
- U shape base on all models gives a complete full support to the pump

Motor

- Nema Standard ODP 56J motors for much cooler surface temperature
- Thermal overload protection
- Permanent Split Capacitor (PSC) without centrifugal switch for the 1 $1\frac{1}{2}$ 2 Hp versions
- Front bearing 6204 for much longer life span
- All copper winding
- Class F Dupont Nomex Insulation System, cCSAus approved
- Single phase, 115/230V for 1 1½ Hp models Single phase, 230 V for 2 Hp models
- Easy voltage conversion for 1 11/2 Hp models Maximum ambient temperature: 40 °C (104 °F)





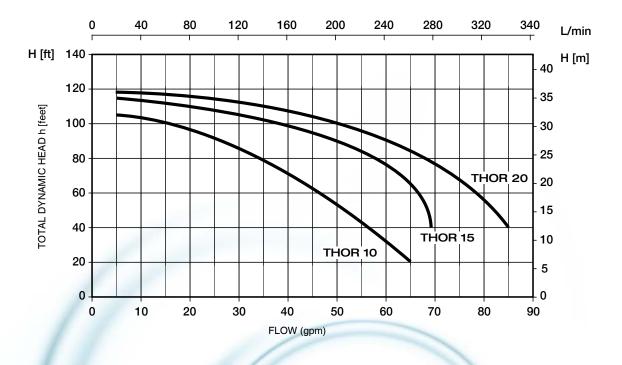
Technical Data

MODEL	HP	VOLT	PHASE	MAX. AMP	SUCT.	DISCH.
THOR 10	1	115/230	1	16.6/8.3	1 1/2"	1 1/2"
THOR 15	1.5	115/230	1	21/10.5	1 1/2"	1 1/2"
THOR 20	2	230	1	11.8	1 1/2"	1 1/2"

Materials

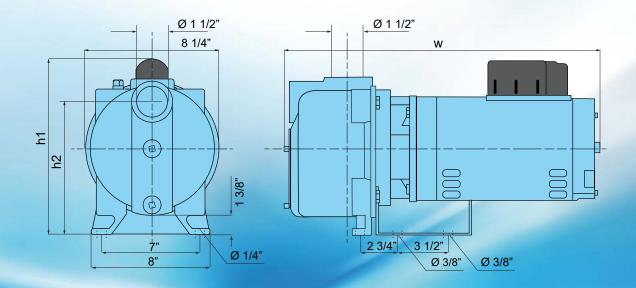
COMPONENT	MATERIAL		
PUMP CASING	CAST IRON		
IMPELLER	PPE + PS, INCLUDING SS304 INSERTS		
DIFFUSER	PP, VOLUTE WITH SS304 WEAR RING		
SHAFT	STAINLESS STEELS AISI 304 + 40CR		
MECHANICAL SEAL	SIC/SUS316/EPDM, SILICON CARBIDE VS. GRAPHITE FACES		

Performance Curves | n= 3450 rpm



MODEL	HP	SUCTION LIFT DEPTH (feet)	DISCHARGE PRESSURE - PSI			МАХ
			20	30	40	SHUT - OFF PSI
			FLOW US GPM			251
	1.0	0	54	41	25	46
		5	51	39	22	44
		10	50	34	19	40
THOR 10		15	46	32	10	39
		20	42	26	8	38
		25	38	23		34
	1.5	0	68	64	48	49
		5	62	58	45	48
THOR 15		10	60	55	38	46
		15	55	51	33	44
		20	48	46	20	43
		25	39	37	10	41
THOR 20	2.0	0	83	73	60	51
		5	82	71	52	48
		10	80	68	47	47
		15	77	65	45	45
		20	70	60	32	44
		25	65	55	18	42





Pump Dimensions

	MODEL	SUCTION	DISCHARGE	DIMENSIONS			WEIGHT
		DN	DN	h1	h2	w	lbs
	THOR 10	1 1/2"	1 1/2"	10 1/8"	7 3/4"	20 1/8"	60
	THOR 15	1 1/2"	1 1/2"	10 1/8"	7 3/4"	20 1/8"	64
	THOR 20	1 1/2"	1 1/2"	10 1/8"	7 3/4"	20 1/8"	65

Packaging Dimensions

MODEL	L	w	н	WEIGHT
	inch	inch	inch	lbs
THOR 10	22 1/2"	11 3/4"	12 3/4"	66
THOR 15	22 1/2"	11 3/4"	12 3/4"	70
THOR 20	22 1/2"	11 3/4"	12 3/4"	71



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