

# **Pearl**<sup>®</sup> *Water Systems*

**Multistage Self-Priming  
Centrifugal Pump**



# **RAGNAR**



## Multistage Self-Priming Centrifugal Pump

### Features

RAGNAR is a multistage 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 reliability.

RAGNAR's construction is suitable for outdoor applications.

RAGNAR is used in irrigation systems where high pressure is important at the necessary flow for efficient irrigation.

RAGNAR also has applications in Air Conditioning, Water Recirculation, Residential Water Supply, Pressure Booster, and many others.

Its construction makes RAGNAR 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 multistage 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 a much cooler surface temperature
- Thermal overload protection
- Permanent Split Capacitor (PSC) without centrifugal switch front bearing 6204 for much longer life span
- All copper winding
- Class F Dupont Nomex Insulation System, cCSAus approved
- Single phase, 230 V for 2 Hp models
- Maximum ambient temperature: 40 °C (104 °F)

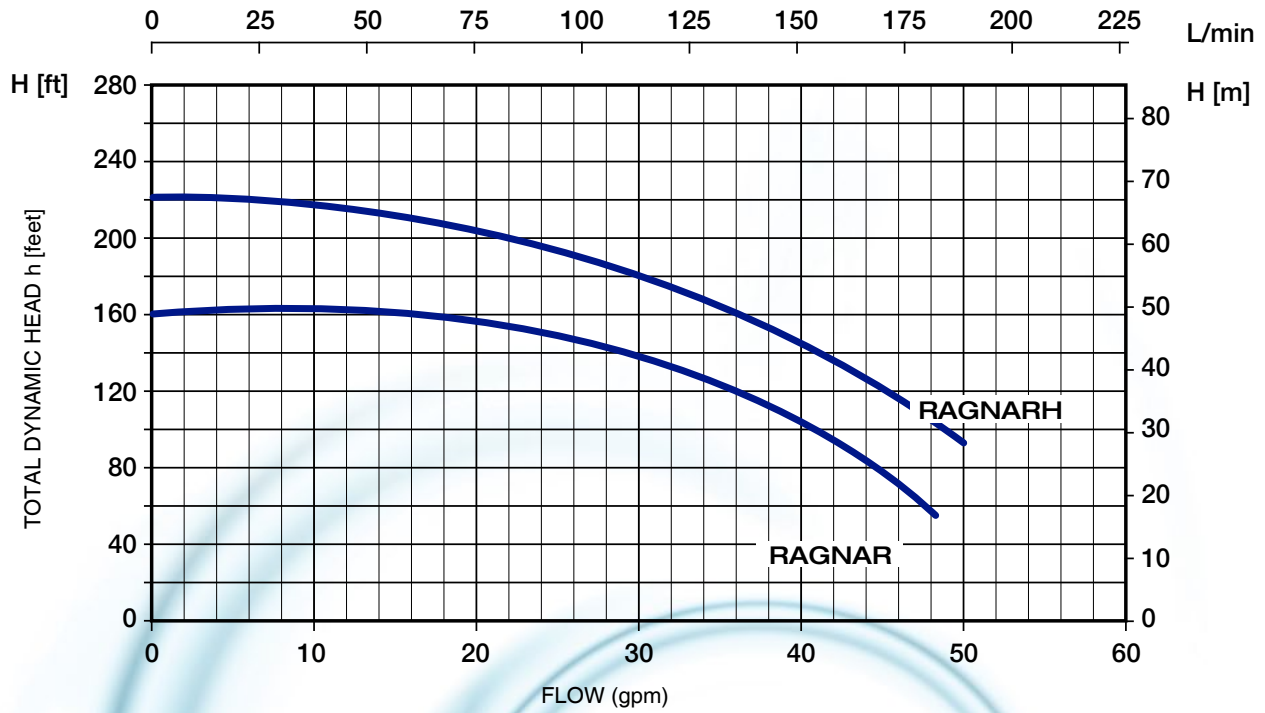


### Materials

COMPONENT	MATERIAL
PUMP SLEEVE	STAINLESS STEEL
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

# Multistage Selfpriming Centrifugal Pump

Performance Curves | n= 3450 rpm

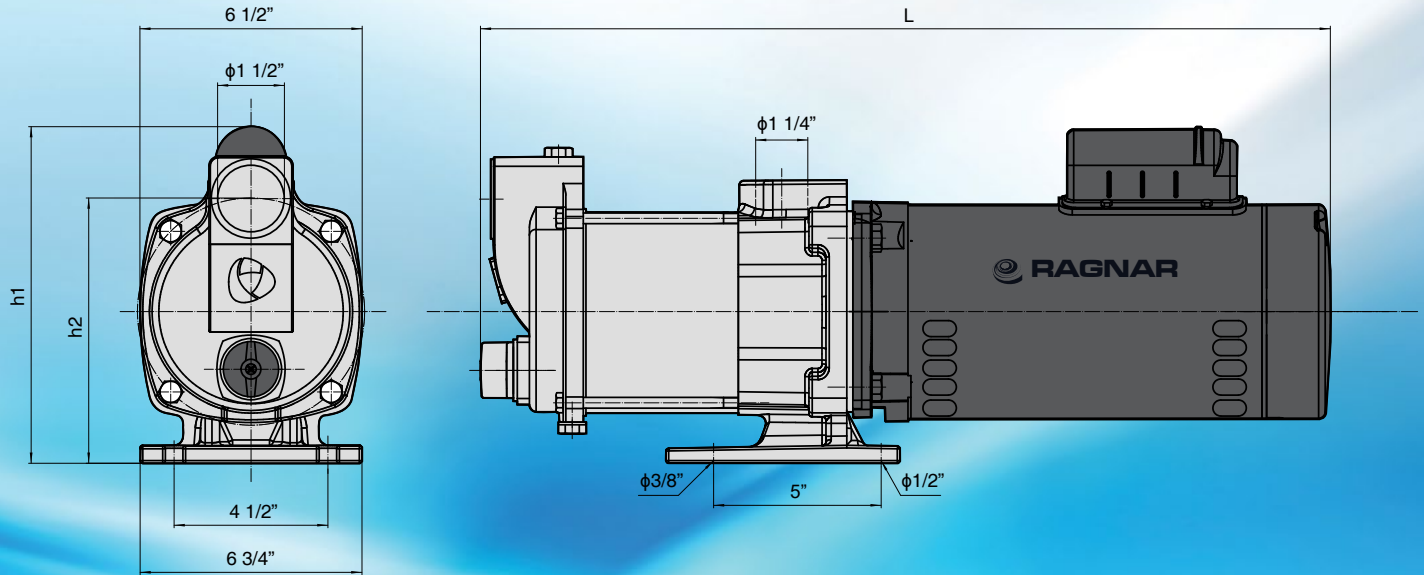


MODEL	HP	SUCTION LIFT DEPTH (feet)	DISCHARGE PRESSURE - PSI					MAX SHUT - OFF PSI
			30	40	50	60	80	
			FLOW US GPM					
RAGNAR	2	0	48	43	38	24	-	69
		5	47	42	37	22	-	67
		10	44	38	33	18	-	65
		15	40	35	30	16	-	63
		20	-	33	28	12	-	61
RAGNARH	2	0	-	50	47	40	23	97
		5	-	50	45	38	21	96
		10	-	50	43	36	20	94
		15	-	46	39	33	18	92
		20	-	38	34	32	16	90





## Multistage Self-Priming Centrifugal Pump



### Pump Dimensions

MODEL	SUCTION	DISCHARGE	DIMENSIONS			WEIGHT
	DN	DN	h1	h2	L	lbs
RAGNAR	1 1/2"	1 1/4"	10 1/4"	8"	23 1/2"	88
RAGNARH	1 1/2"	1 1/4"	10 1/4"	8"	25 1/4"	88

### Packaging Dimensions

MODEL	L	W	H	WEIGHT
	inch	inch	inch	lbs
RAGNAR	27.50"	8.66"	12.6"	98
RAGNARH	27.50"	8.66"	12.6"	98

