



FEATURES

Casing: Corrosion resistant AISI 304 SS designed for long lasting performance.

Impeller: AISI type 304 stainless steel construction; two vane non-clog design for maximum pumping efficiency.

Mechanical Seal: Drive lube silicon carbide sealing faces; all metal components of AISI type 300 stainless steel running in protected oil chamber.

Elastomers: BUNA-N

Pump Support Feet: Motor Shell and Lifting Handle: Constructed of AISI type 304 series stainless steel.

Shaft: AISI type 304 stainless steel high strength pump shaft with keyed and locking cap screw impeller fastening.

Discharge: 2" NPT for horizontal connection to rigid, flexible or guide rail piping connection.

Power cord is 20 feet long

REDJACKET SERIES

2NS

SUBMERSIBLE SEWAGE PUMP

2" NPT DISCHARGE, 2" SOLIDS HANDLING WASTEWATER

APPLICATIONS

Non-clog submersible sewage pumps for simplex and duplex installations in small lift stations, drainage systems or raw water applications requiring solids handling capability of 2" diameter made specifically for:

- Homes and farms
- Mobile home parks and motels
- Schools and hospitals
- Municipal package systems
- Industrial treatment systems
- Dewatering applications

MOTOR FEATURES

Single phase: 60 Hz, 3450 RPM, $\frac{3}{4}$ to 1 HP, 230V.

Three phase: 60 Hz, 3450 RPM, $\frac{3}{4}$ to 1½ HP, 230 and 460V.

Non-overloading.

Air-filled, class F insulated motor.

Thermal overload protection: built-in with automatic reset on single phase.

Three phase models require external overload in panel.

Power cord: 20 feet long. Single phase models are supplied with molded NEMA three prong grounding plug. Three phase models are supplied with bare leads.

Float controls: optional, see accessory section for simplex or duplex system requirements.

SPECIFICATIONS**Pump:**

- 2" discharge on $\frac{3}{4}$ HP and larger
- Solid size: 2" solids on $\frac{3}{4}$ HP and larger
- Capacities: to 175 U.S. GPM (41 m³/h)
- Total heads: to 47 feet TDH (14 m)
- Temperature:
104°F (40°C) continuous
140°F (60°C) intermitten
- Maximum submergence: to 17 feet (5 m)
- Continuous duty rated, non-overloading motor

MOTOR INFORMATION**General:**

Class "F" insulation
Air-filled design

Single Phase:

Built-in automatic reset overload

Three Phase:

Overloads required in control panel

230 V - .75-1.5 HP

460 V - .75-1.5 HP

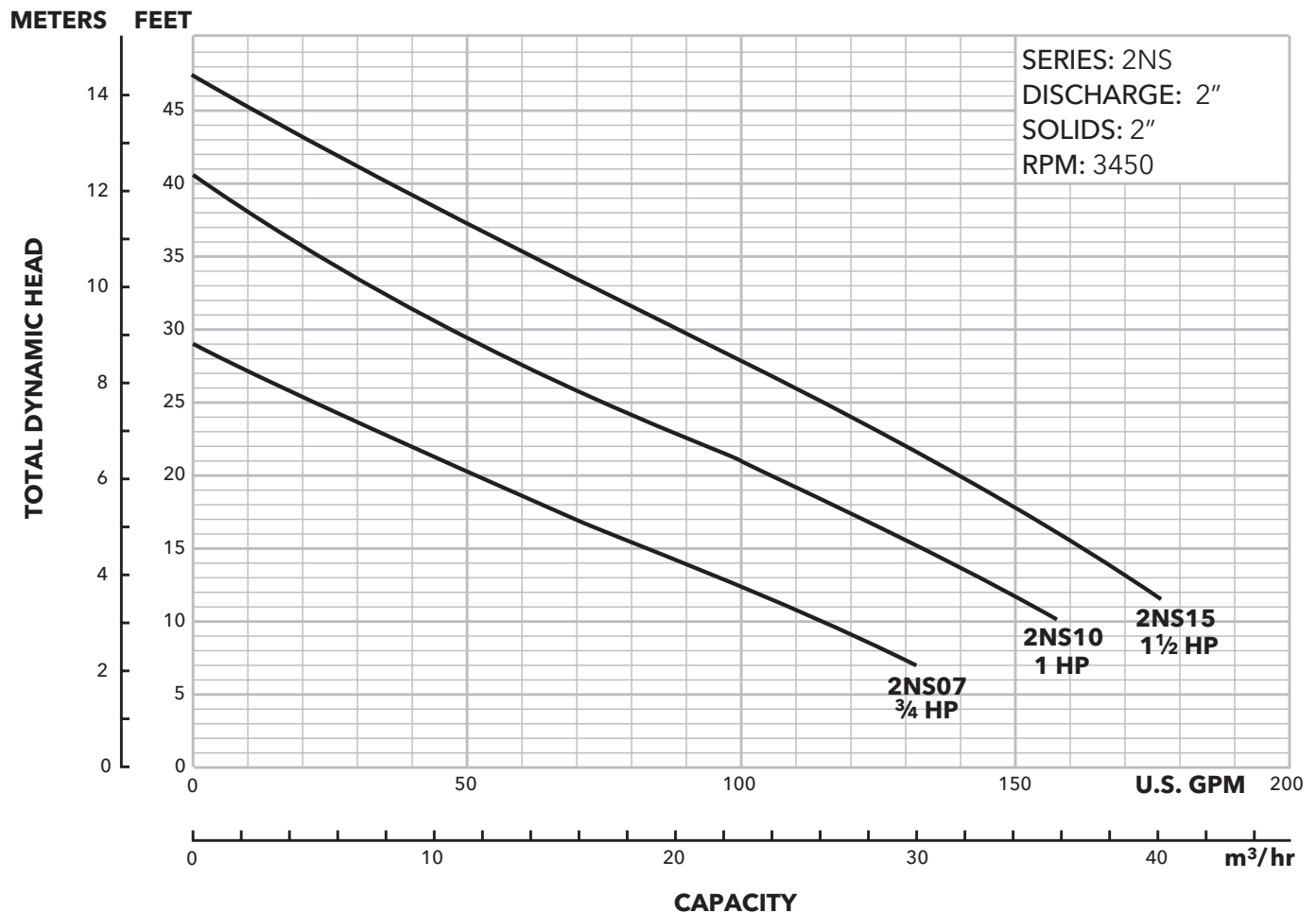
COMPONENTS

Component	Material
Pump body and motor casing	Stainless steel (AISI 304)
Impeller	Stainless steel (AISI 304)
Lower mechanical seal	Silicon carbide/silicon carbide
Upper lip seal	Nitrile rubber
Motor Shaft	Stainless steel (AISI 304)
Handle	Nylon

MODEL INFORMATION

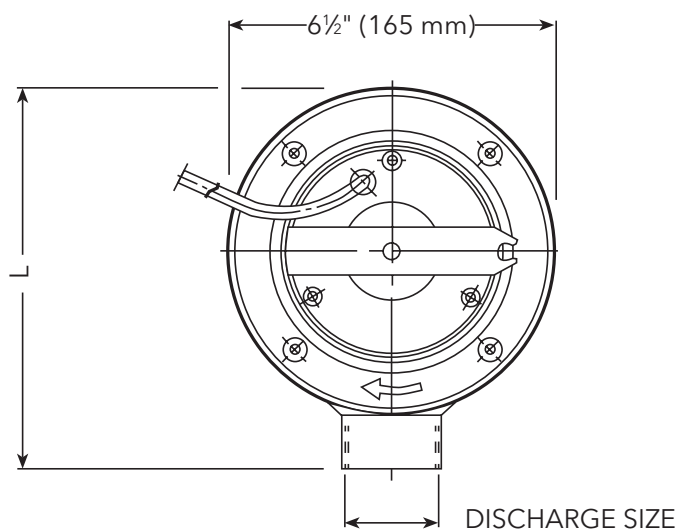
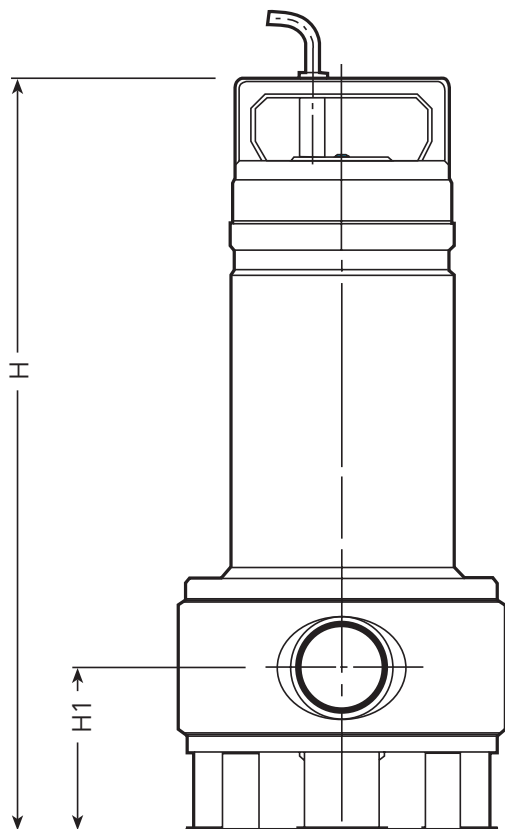
Order Number	HP	Volts	Phase	RPM	Maximum Amps	Start Amps	Capacitor uF/V	Resistance Start/ Line-Line	Cord Length	Discharge Connection	Solids	Weight (Lbs.)
2NS0712	¾	230	1	3450	5.4	27.2	22/450	4.4 / 1.9	20'	2"	2"	30
2NS0732			3		3.4	24.9	NA	NA / 6.0				25
2NS0734		460	3		1.7	12.7	NA	NA / 7.8				34
2NS1012	1	230	1		7.0	30.6	30/450	4.2 / 1.9				30
2NS1032			3		4.4	29.8	NA	NA / 5.3				32
2NS1034		460	3		2.2	15.2	NA	NA / 6.6				32
2NS1532	1½	230	3		5.6	39.2	NA	NA / 3.7				32
2NS1534		460	3		2.8	19.9	NA	NA / 4.8				32

PERFORMANCE CURVE



DIMENSIONS

Series	HP	Phase	Dimensions in inches (mm)			Discharge Size	Wt. (lbs.)
			H	H1	L		
2NS	¾	3	17¼ (438)	4⅜ (111.5)	7¾ (198)	2"	25
		1	18 (458)				30
	1	3	18 (458)				30
		1	18 (458)				34
	1½	3	18⅜ (478)				32
		1	18⅜ (478)				32



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