

Sonora S640

Submersible Sludge Pumps



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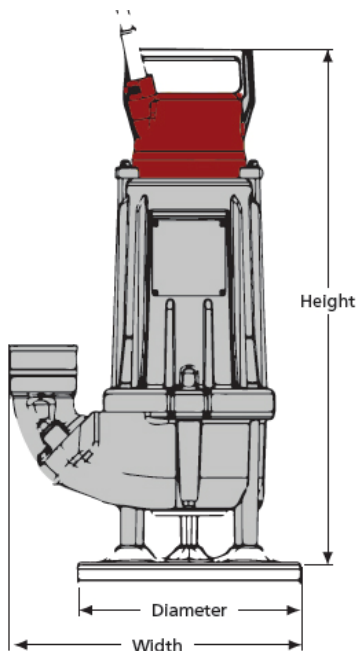
Sonora S640



The **Sonora S640 Submersible Sludge Pumps** can handle thick, soft, wet mud or other similarly viscous mixtures of liquids and solids, especially the product of an industrial or refining process.

Typical applications

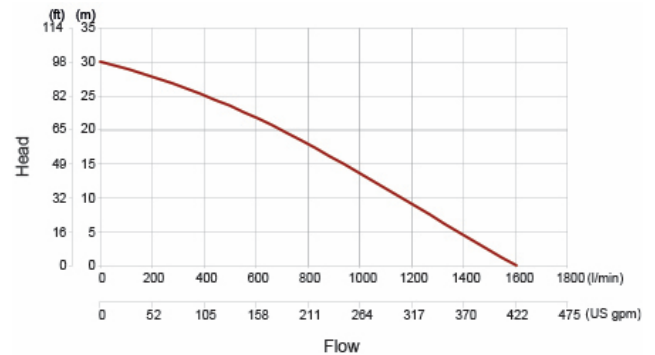
- Water containing mud
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining



Specifications		3ph
Max. Head	Ft	100
Max. Flow	GPM	420
	M ³ /h	95
Rated output	HP	9.2
Max. power input	kW	8.0
Discharge connection	In	4" (3")
Max solid handling size	In	2"

Weight & Dimensions		3ph
Weight	lbs.	143
Height	in	34.2
Width	in	17.7
Diameter	in	13.8

Pump Curve



Product code	S640
Installation	Portable Drainage pump
Discharge connection	4" std for S640, hose, ISO-G or NPT thread
Hydraulic range	S - Standard Head
Solid handling	Max solid handling size 2 in
Liquid temperature	max 104°F (40°C), standard
Depth of immersion	max 65 feet (20 m)
Liquid Density	9.2 lb. per US gal. (1100 kg/m3)
pH of the pumped liquid	pH 5-8
Frequency	60 Hz
Insulation class	Class F (+311°F/+155°C), IEC 85
Protection Class	IP68
Voltage variation	max ± 5% of nominal voltage
Voltage imbalance	max 2% - between phases
Max start stop	max 30 - No. of starts/hour
Thermal contacts	284°F (140°C)
Cable	Oil and wear resistant rubber cable type HO7RN-F / SOOW 230V, 65ft 4G4mm ² /4AWG10 460V, 65ft 4G2.5mm ² /4AWG10 575V, 65ft 4AWG12
Volute	Cr-alloyed white cast iron, 55±5 HRC
Impeller	Cr-alloyed white cast iron, 55±5 HRC
Stator housing	Aluminum
Shaft	Stainless steel
O-rings	Nitrile Rubber
Discharge Connection	Aluminum
Bearings	Double-row ball bearing with C3 clearance
Mechanical seal	Instant Service Pack contains below in an oil bath Primary seal: Silicon carbide against silicon carbide. Secondary seal: Silicon carbide against silicon carbide.
Quick couplings	3" BSP female Camlock adaptor/coupling/Storz coupling 75-B 4" BSP female Storz coupling
Start type	Built-in contactor with rotation control for DOL start
Accessories	Float switch Zinc anodes Epoxy coating

Power Rating

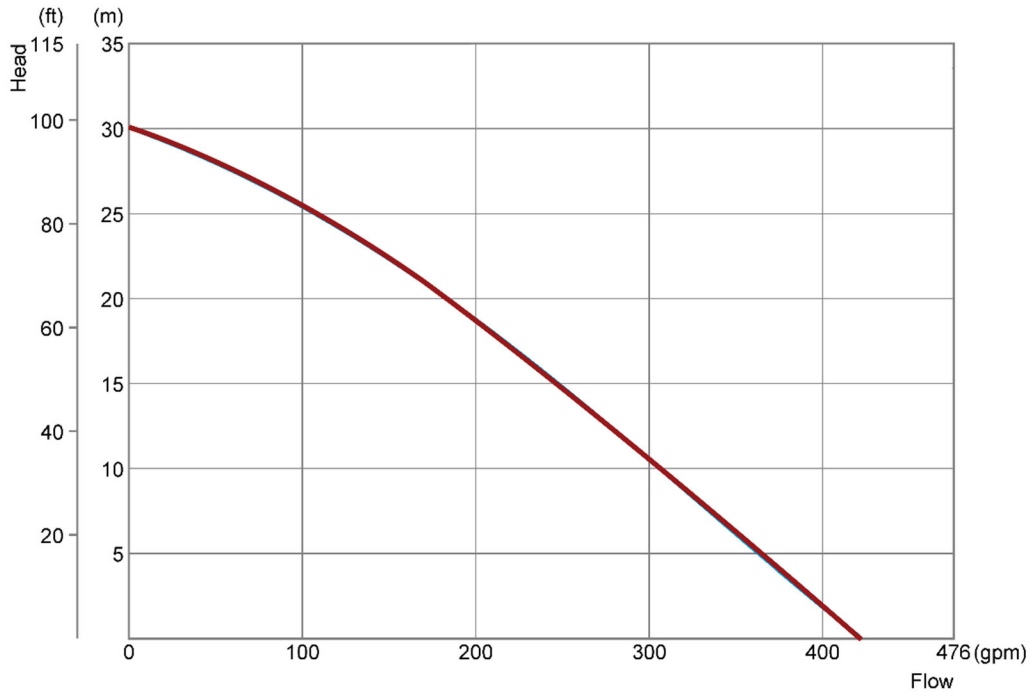
Rated power P2: 6.9 kW (9.2 HP)

Max. Power input 9.2 kW (L/H)

Motor Data	Rated current A
230V	23.3
380V	14.1
460V	11.7
575V	9.5

*Other voltages available on request

Performance Curve



Power Rating

