

# TECHNICAL BULLETIN

## Introduction of New Model, LH4110W

No.: N63-003  
Date: July 26, 2013

We are pleased to introduce a new submersible construction dewatering pump, model LH4110W. The pump is a two-stage pump (having two impellers) and is suitable for extra high head pumping.

### FEATURES

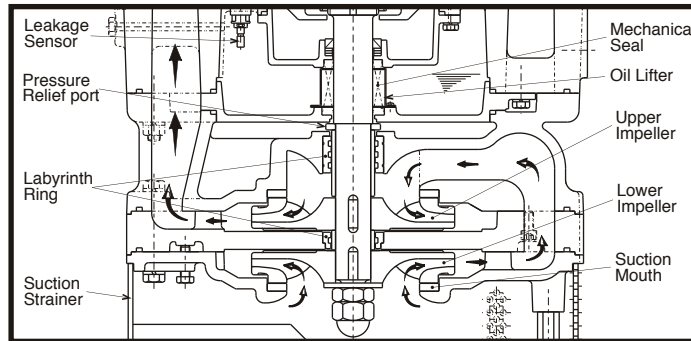
- Capable of extreme high head pumping with max. 755ft. head (60Hz).
- Back-to-back impeller arrangement reduces the axial thrust.
- Other features such as pressure relief port, cathodic protection anodes, high-chromium iron impeller, 420 stainless steel shaft, and SiC mechanical seal, etc. are the common features of all LH pumps.

### APPLICATIONS

- Dewatering in quarry or mining
- Pumping underground water, storm water, river water
- Intaking raw water from a remote river or lake

### AVAILABILITY

We are able to receive your orders with immediate effect.

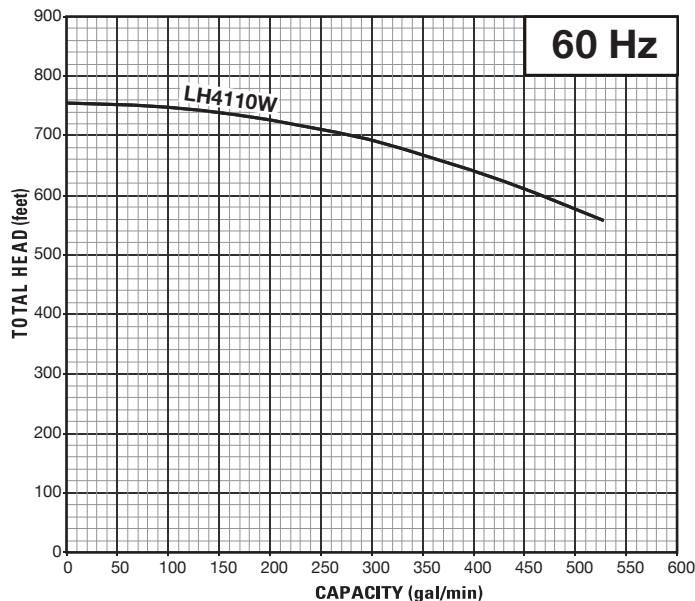


### STANDARD SPECIFICATIONS

Model	Discharge Connection	Motor Output (HP)	Starting Method	Solids Passage (inches)	Dimension (inches)		Weight (lbs.)	Power Cable	
					Diameter	Height		Size	Length (ft)
LH4110W	4" NPT Companion Flange	150	Y-D & D.O.L	0.315	24 1/2	71 7/8	2800	1 x AWG 1/3, 4/1, 14/3 1 x AWG 1/3	65

Notes: 1) The mass is the weight of pump without cable.  
2) One of the cables has extra cores for grounding and monitoring.

### PERFORMANCE CURVE



### MAJOR COMPONENTS

Pump	Structure	Impeller	Shrouded multi-vane impeller
		Shaft Seal	Double-face seal in Oil Chamber
Material	Bearing	Upper – Cylindrical Roller Bearing Lower – Duplex Angular Bearing	
	Pump Casing	Cast Iron	
	Impeller	High Chromium Iron	
Mouth Ring	High Chromium Iron		
Shaft Seal	SiC+SiC, SiC+SiC		

Motor	Power Supply	AC, Three-phase, 460V / 575V
	Class of Insulation	Class F
	Speed (60Hz)	3570rpm
	Motor Protection Device	Miniature Thermal Protectors
Material	Motor Frame	Cast Iron
	Shaft	Stainless Steel
	Power Cable	Chloroprene Sheathed Cable, 65ft.