

# LH/W

Extreme high pressure pumping at high volumes!

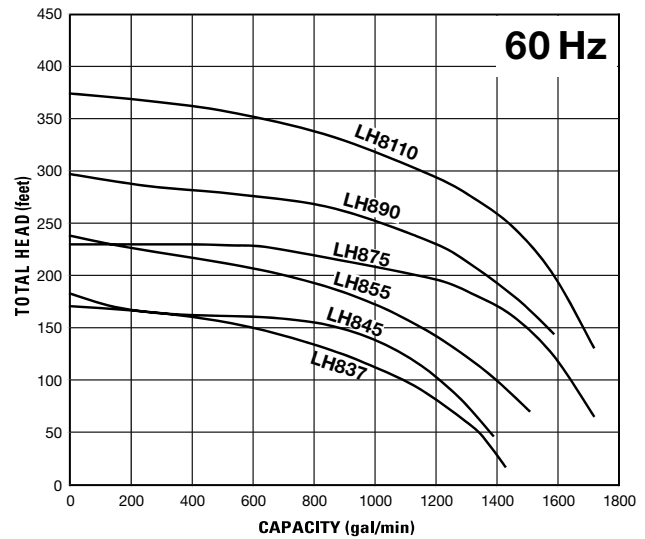
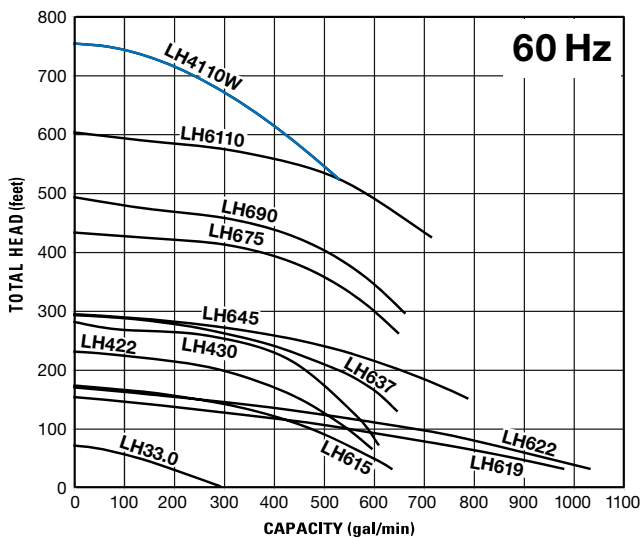
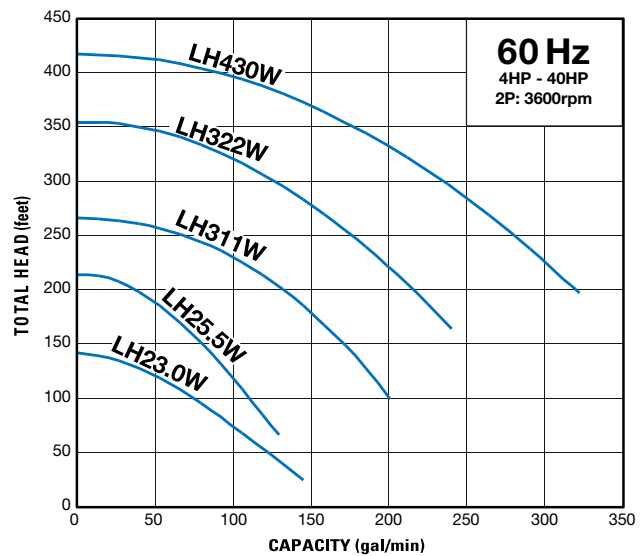


Slimline: LH33.0  
- fits into 8" diameter pipes

## Material

Impeller:	High Chrome Cast Iron
Casing:	Ductile Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron
Shaft:	420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	Chloroprene Sheath

## Performance Curves



# LH and LH-W pumps reach heights the competition only dreams of!

## Features

- High Pressure Capabilities
- High Pressure Rated Mechanical Seals
- Seal Pressure Relief Ports
- Rugged Iron Construction
- Anti-Wicking Cable Entrance
- Dual Silicon Carbide Mechanical Seals
- Tsurumi's Patented Oil Lifter
- Internal Thermal Motor Protection

The **LH-W series** offers extremely high heads by utilizing dual staged, closed high chrome impellers. The **LH series** handles medium to high flows at higher heads. The durable construction of these pumps make them ideally suited for dewatering of mines and quarries, deep well pumping and any high head or long distance water transfer application.

Dual mechanical seals are isolated in the oil chamber protecting the seal faces from abrasive liquids. High pressure seals, capable of operating depths of 164 ft., are used on all LH-W series pumps and on LH series pumps from 20 to 60 HP. Additional seal protection is provided by Tsurumi's exclusive Seal Pressure Relief Ports. The Pressure Relief Ports provide a flow path above the pump casing to allow a release for water to flow from the pump and away from the shaft. The mechanical seal remains isolated in an oil chamber above this flow path and is protected from any excessive pumping pressure or water hammer that may cause premature wear or failure of mechanical seals in high head pumping applications. Isolating the mechanical seals also protects against wear from abrasive materials in the pumping liquid.



MODEL	MOTOR SPECIFICATIONS					Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)	
	Output (HP)	Rated Current (A)					RPM	Diameter				Height
		208V	230V	460V	575V							
LH23.0W	4	12.3*	12	6.0	4.7	3430	2	7 5/16	24 13/16	0.236	7 7/8	101
LH25.5W	7.5	22	19.2	9.6	7.7	3385	2	9 5/8	29 1/2	0.236	6 3/4	176
LH311W	15	42	37	18.5	14.5	3465	3	10 5/8	40 5/16	0.334	7 7/8	287
LH322W	30	—	—	35.5	28	3490	3	13	48 5/8	0.334	11 3/4	670
LH430W	40	—	—	48	38.5	3475	4	14 3/8	54 1/8	0.334	11 3/4	714
LH4110W	150	—	—	181	145	3570	4	24 1/2	71 7/8	0.315	15 3/4	2800

\* 208 & 230V same motor

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		208V	230V	460V	575V							
LH33.0	4	12.3*	12	6.0	4.7	3430	3	7 5/16	25 3/8	0.236	5 7/8	93
LH615	20	53.8	48	24	19	3465	6	13	39 15/16	0.334	7 1/4	470
LH619	25	—	—	31	25	3490	6	16 9/16	56	0.472	10 5/8	770
LH422	30	—	—	36	28.5	3490	4	16 9/16	53 1/4	0.236	9 7/8	770
LH622	30	—	—	36	28.5	3490	6	16 9/16	56	0.472	10 5/8	790
LH430	40	—	—	51	38.5	3475	4	16 9/16	53 1/4	0.236	9 7/8	780
LH637	50	—	—	58	46	3525	6	20 7/8	57	0.236	7 1/8	1090
LH837	50	—	—	58	46	3525	8	20 7/8	58 9/16	0.787	7 1/8	1090
LH645	60	—	—	67	53	3530	6	20 7/8	57	0.236	7 1/8	1120
LH845	60	—	—	67	53	3530	8	20 7/8	58 9/16	0.787	7 1/8	1120
LH855	75	—	—	87	70	3530	8	21 5/8	67 9/16	0.787	7 7/8	1810
LH675	100	—	—	113	91	3530	6	21 5/8	66	0.315	7 7/8	1910
LH875	100	—	—	113	91	3530	8	21 5/8	67 9/16	0.787	7 7/8	1910
LH690	120	—	—	137	110	3500	6	23 5/16	70 3/8	0.394	7 7/8	2420
LH890	120	—	—	137	110	3500	8	23 5/16	70 3/8	0.787	7 7/8	2530
LH6110	150	—	—	181	145	3570	6	24 1/2	74 5/16	0.394	7 7/8	2670
LH8110	150	—	—	181	145	3570	8	24 1/2	74 5/16	0.787	7 7/8	2670

\* 208 & 230V same motor