



WE'RE ALL ABOUT EXPERIENCE

allpumps.com.au

 **TSURUMI PUMP**
www.tsurumi-global.com

SERIES
LH

SUBMERSIBLE HIGH HEAD
DRAINAGE PUMPS





Submersible High Head Drainage Pumps

Tsurumi LH/LH-W series pumps are submersible heavy-duty pumps specialized for high head. These pumps are available in a wide lineup, offering 3 to 110 kW motor output and 18 to 230 m maximum head. The LH/LH-W series has played an active role in various fields, from small/medium-scale civil engineering and construction work that requires high reliability, to large-scale projects for constructing tunnels, bridges and dams. And, because of their slim body, these pumps have proven to be particularly useful for deep well dewatering and mine pit drainage where required to work in limited space.

In addition, the LH-D-series pumps, which are equipped with a 2-pole 110 kW/185 kW motor and double suction impeller, have been newly added to the product lineup to provide high volume, high head performance.

With a max. capacity of 14 m³/min and max. head of 92 m, the LH-D-series meets the needs of open-pit/underground mining, heap leaching and large-scale tunneling work.

So that they can stand up to harsh environment, these pumps have the impeller and mouth ring made of high-chromium cast iron that provides high wear resistance. The pump is equipped with seal pressure relief ports* that release pump pressure applied to the mechanical seal. Furthermore, to endure even extended operation at low water level, these pumps feature flow-thru design that forcibly cools down the motor.

* excluding 3 kW and LH-D-series

Tsurumi submersible pumps integrate original technologies that Tsurumi has researched and proven in the field over many years, such as anti-wicking cable, motor protector, dual inside mechanical seals with silicon carbide faces and Oil Lifter, etc. With these features, Tsurumi pumps provide excellent reliability and durability that enables continuous duty for long periods of time.

Available as optional specifications are an original “seawater-resistant pump” developed over many years by Tsurumi to enable seawater intake/drainage for long periods of time, and an “all stainless steel pump” using 316 stainless steel for mining markets.



LH

Submersible High Head Drainage Pumps

Major Applications

Extreme circumstances reveal true value.

With over 95 years of history, the Tsurumi Pump Brand continues to receive worldwide support with its superior quality, exceptional durability and solid reliability.

CONSTRUCTION / TUNNEL



MINING



LH: Lineup of pumps with high head in consideration of discharge volume.

LH-W: Comprised of dual impellers for extra high head.

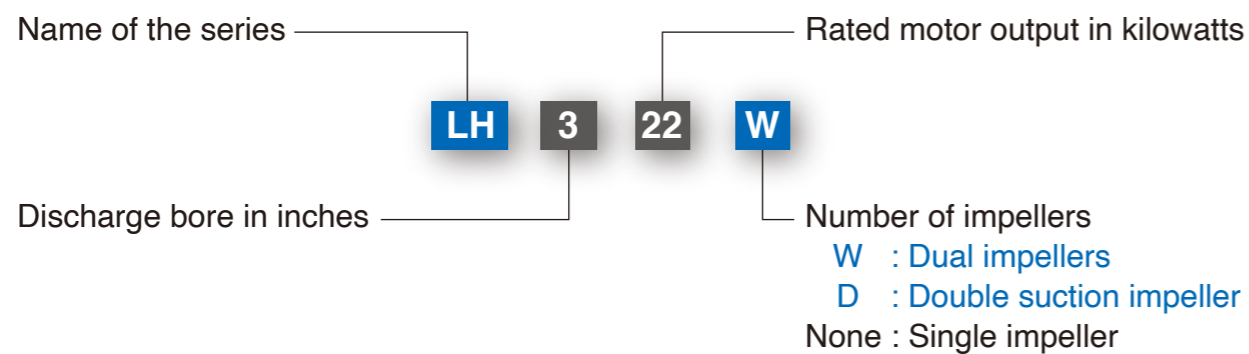
LH-D: High volume, high head performance by double suction impeller

Selection Table

| Motor Output (kW) | | 3 | 5.5 | 11 | 15 | 19 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | 185 | |
|--|-----------|---|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|--|
| LH (Single Impeller) | 3" 80mm | ★ | | | | | | | | | | | | | | |
| | 4" 100mm | | | | | | | | | | | | | | | |
| | 6" 150mm | | | | | | | | | | | | | | | |
| | 8" 200mm | | | | | | | | | | | | | | | |
| LH-W (Dual Impellers) | 2" 50mm | ★ | ★ | | | | | | | | | | | | | |
| | 3" 80mm | | | ★ | | | ★ | | | | | | | | | |
| | 4" 100mm | | | | | | | ★ | | | | | | | | |
| LH-D (Double Suction Impeller) | 10" 250mm | | | | | | | | | | | | | | | |
| | 12" 300mm | | | | | | | | | | | | | | | |

★ : Tandem operation model: Same model pumps are connected in series, to deliver higher head.

Model Number Designation



Options

- Seawater-resistant version; Galvanic anode & Special impeller
- High temperature liquids version; Max. 80°C
- High voltage version; Max. 1000V
- All stainless steel version; 316 S.S.

Seawater-Resistant Version

Tsurumi's pumps can be combined with a seawater-resistant kit (optional) that adds a "galvanic anode" and "seawater-resistant special cast iron impeller," and enables about two years of service. (The service period depends on operating conditions.) For details, refer to the Seawater-Resistant Pumps catalog [IB115].



Conversion to Seawater-Resistant Pump



High Temperature Liquids Version

Tsurumi's pumps are applicable to high temperature liquids of up to 80°C. Pumps of the standard specification can discharge liquids of up to 40°C. However, there are many fields that need to discharge higher temperature liquids, e.g., discharging industrial water from a power plant or ironworks, or discharging hot spring water from a mine in a volcanic zone.

High Voltage Version

Tsurumi's pumps can be manufactured to between 380 - 1000 V ratings that are often required for mining applications. The pumps meet mining safety standards as they come with screened cables and motors with built-in diodes for ground-fault checks.

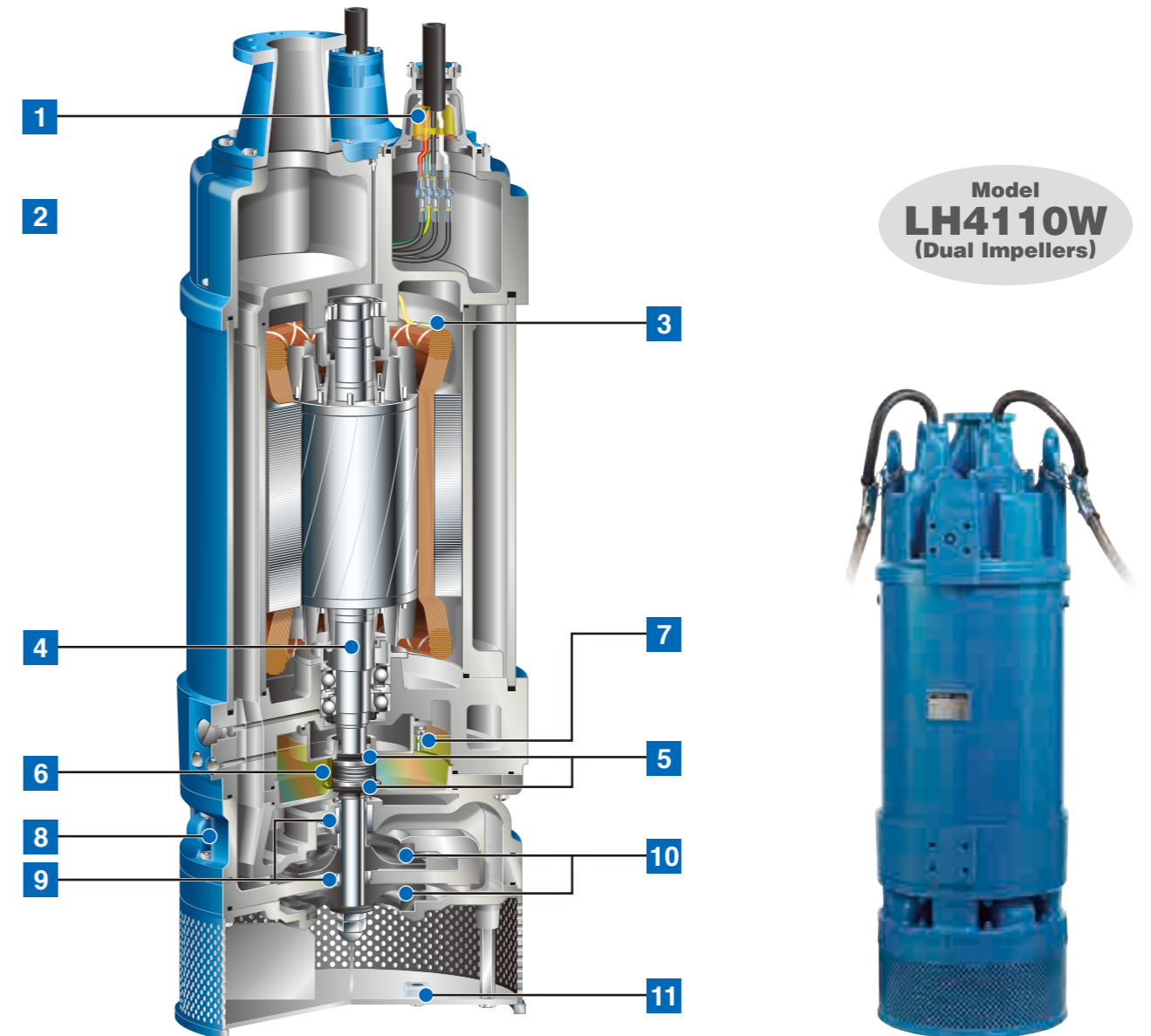
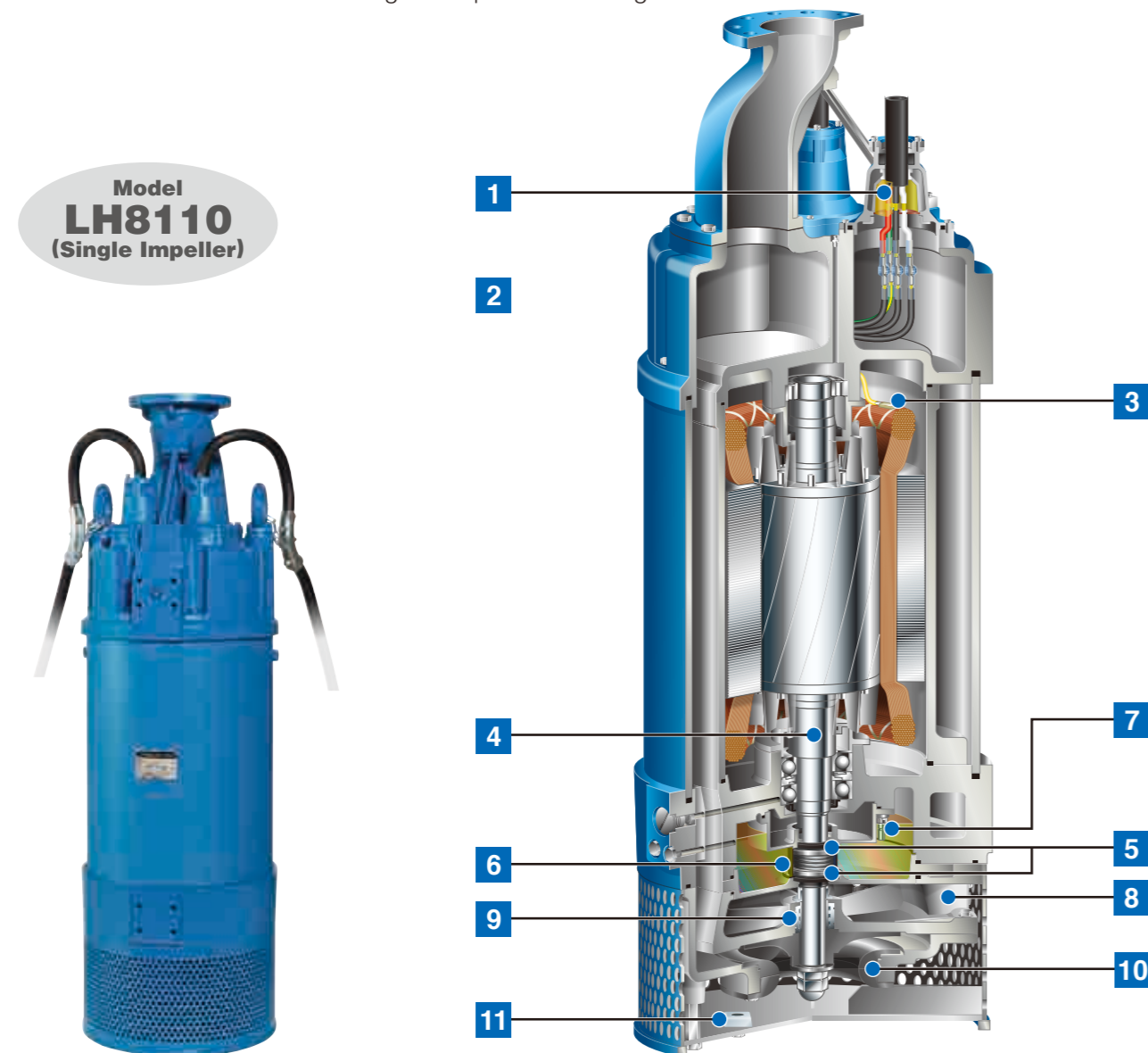
All Stainless Steel Version

All of the parts of Tsurumi's pumps that contact fluid, including the impeller, pump casing, motor frame, outer cover, strainer stand, and flange, can be made in 316 stainless steel. Tsurumi's all stainless steel pump can handle corrosive fluids generated in mines or quarries, and fluids of low pH value. For details, refer to the Corrosion-Resistant Pumps catalog [IB116].



Top Discharge, Flow-thru Design

This design provides maximum motor cooling efficiency allowing continuous operation at low water levels and extended dry-run capability, and also allows the shape of the pump to be cylindrical and slim for installation in a well casing for deep well dewatering.



1 Anti-wicking Cable Entry

Prevents water incursion due to capillary action should the cable sheath be damaged or the end of cable submerged. Also prevents moist air from infiltrating the motor housing and condensation from forming inside the housing due to temperature differences between the housing and outside air.

2 Cable Clip

Prevents unexpected water incursion that can occur if the cable is damaged, by protecting the cable against the tugging and rough handling found at construction sites.

3 Motor Protector

Circle Thermal Protector (22 kW and below)

Directly cuts the motor circuit if excessive heat builds up or overcurrent occurs in the motor.

Miniature Thermal Protectors (30 kW and above)

React to excessive heat caused by dry-running. The bimetal strip opens to cause the control panel to shut the power supply.

4 Shaft

Quenching treatment is applied to parts that contact particles in pumped fluids and whose mechanical seal may wear out, to enhance surface hardness and extend shaft service life.

5 Dual Inside Mechanical Seals with Silicon Carbide Faces

Isolated in the oil chamber where a clean, non-corrosive and abrasion-free lubricating environment is maintained. Compared with the water-cooled outside mechanical seal, it reduces the risk of failure caused by dry-heating and adhering matter. The silicon carbide provides 5 times higher corrosion, wear and heat resistance than the tungsten carbide. Rubber parts of the upper and lower fixing rings are made of NBR or FPM (FKM), which provides higher resistance to heat and chemicals.

6 Oil Lifter

Provides lubrication and cooling of the seal faces down to 1/3 of normal oil level, thus maintaining a stable shaft sealing effect and prolonging seal life longer. The Oil Lifter is Tsurumi original design.

7 Leakage Sensor (55 kW and above)

Detects flooding into the oil chamber that may occur in a worst case scenario. When flooding is detected, signals are sent to operate the indicator lamps through the external control panel.

8 Seal Pressure Relief Ports (excluding 3 kW & LH-D)

Protect the mechanical seal from pump pressure. They also protect the seal face by discharging wear particles.

9 Labyrinth Ring (LH 15 kW and above & LH-W)

Equipped to provide a better countermeasure against wear caused by high pressure generated in the casing and improve the maintainability.

10 High-chromium Cast Iron Impeller & Mouth Ring / Suction Mouth

Resists wear caused by abrasive particles and enables the pump to maintain its original performance for an extended period of time.

LH: Single impeller LH-W: Dual impellers LH-D: Double suction impeller

11 Galvanic Anodes (excluding 3 kW)

Protect the pump against corrosive potential generated during the drainage of wastewater.

LH -Single Impeller-

The LH-series is a submersible three-phase cast iron high head drainage pump. Being the pump cylindrical and slim, it can be installed in a well casing for deep well dewatering. The center flange construction assures a stable installation even if it is fixed by the discharge pipe. The top discharge, flow-thru design provides maximum motor cooling efficiency allowing continuous operation at low water levels and extended dry-run capability. The pump incorporates seal pressure relief ports that prevent the pumping pressure from applying to the shaft seal.*

* excluding LH33.0



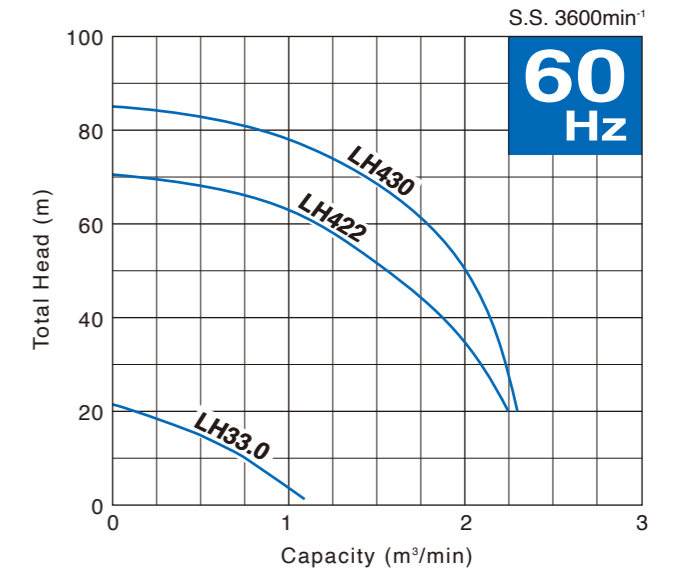
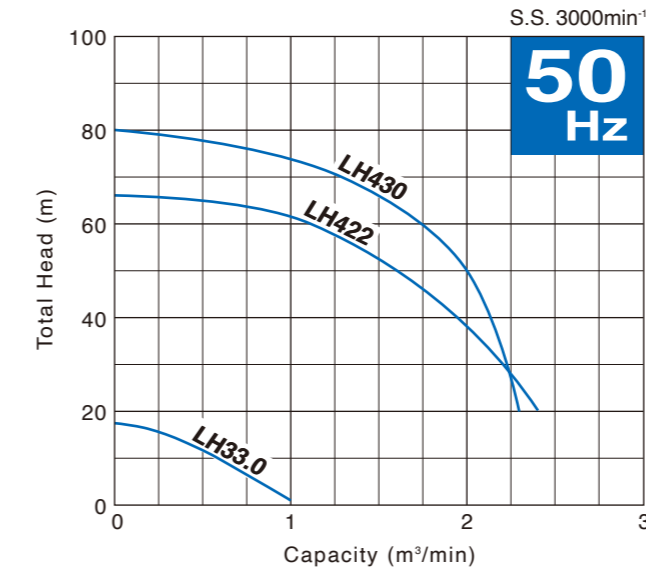
| Discharge Bore mm | Model | Motor Output kW | Phase | Starting Method | Solids Passage mm | Dimensions L x H mm | Dry Weight* ² kg | Cable Length m |
|-------------------|--------|-----------------|-------|----------------------|-------------------|---------------------|-----------------------------|----------------|
| 80 | LH33.0 | 3 | Three | D.O.L. | 6 | 185 x 645 | 42 | 20 |
| 100 | LH422 | 22 | | D.O.L.* ¹ | 6 | 420 x 1352 | 350 | 10 |
| 100 | LH430 | 30 | | Star-Delta | 6 | 420 x 1352 | 355 | 10 |
| 150 | LH615 | 15 | | D.O.L.* ¹ | 8.5 | 330 x 1014 | 213 | 10 |
| 150 | LH619 | 19 | | D.O.L.* ¹ | 12 | 420 x 1423 | 350 | 10 |
| 150 | LH622 | 22 | | D.O.L.* ¹ | 12 | 420 x 1423 | 360 | 10 |
| 150 | LH637 | 37 | | Star-Delta | 6 | 530 x 1448 | 495 | 10 |
| 150 | LH645 | 45 | | Star-Delta | 6 | 530 x 1448 | 510 | 10 |
| 150 | LH675 | 75 | | Star-Delta | 8 | 563 x 1676 | 865 | 10 |
| 150 | LH690 | 90 | | Star-Delta | 10 | 592 x 1787 | 1100 | 20 |
| 150 | LH6110 | 110 | | Star-Delta | 10 | 616 x 1887 | 1210 | 20 |
| 200 | LH837 | 37 | | Star-Delta | 20 | 530 x 1488 | 495 | 10 |
| 200 | LH845 | 45 | | Star-Delta | 20 | 530 x 1488 | 510 | 10 |
| 200 | LH855 | 55 | | Star-Delta | 20 | 563 x 1716 | 820 | 10 |
| 200 | LH875 | 75 | | Star-Delta | 20 | 563 x 1716 | 865 | 10 |
| 200 | LH890 | 90 | | Star-Delta | 20 | 592 x 1787 | 1150 | 20 |
| 200 | LH8110 | 110 | | Star-Delta | 20 | 616 x 1887 | 1210 | 20 |

*¹ Star-Delta available upon request

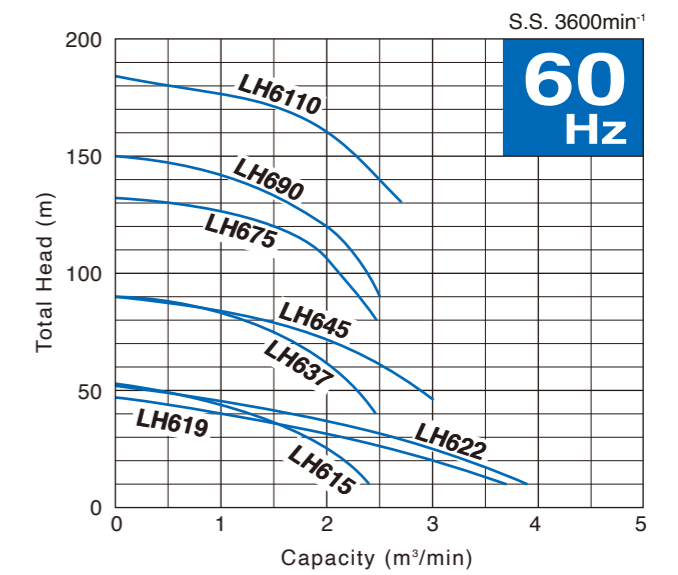
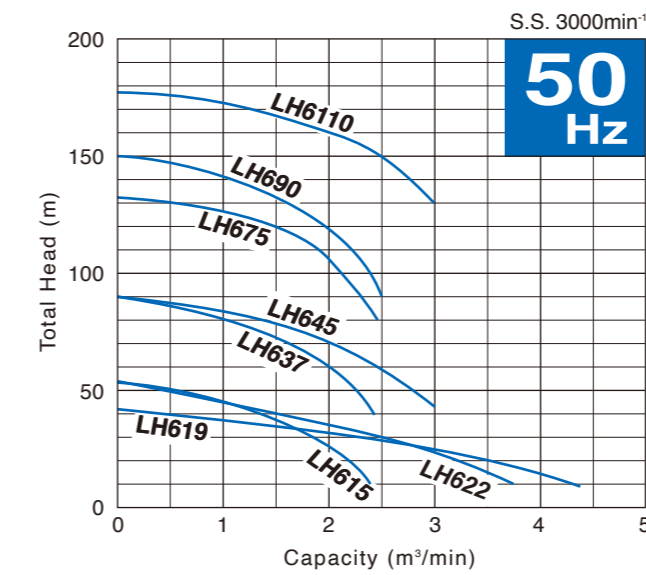
*² Weights excluding cable

Performance Curves

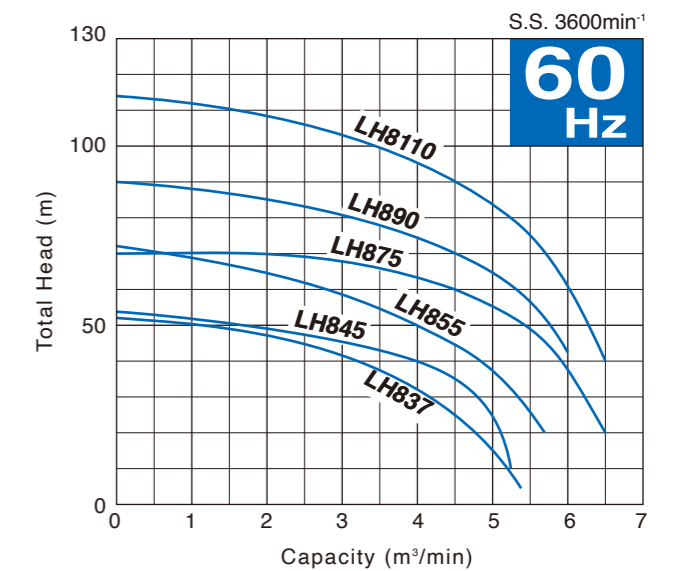
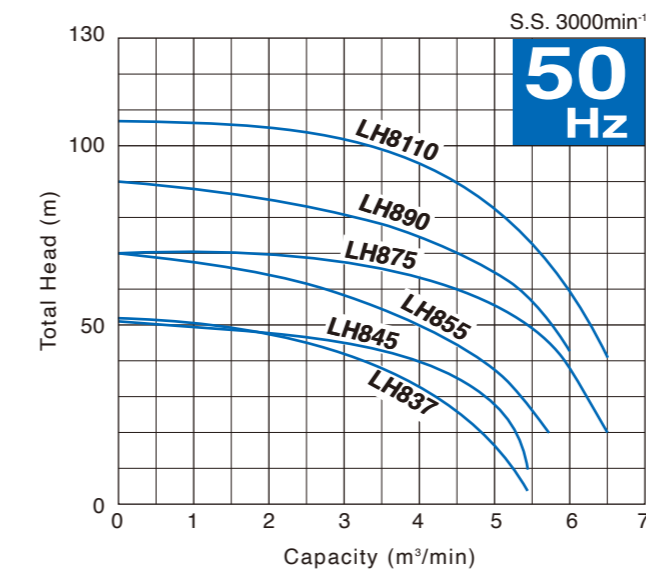
< 80-100mm >



< 150mm >



< 200mm >



LH-W –Dual Impellers–

The LH-W-series is a submersible three-phase cast iron extra high head drainage pump having dual impellers. Being the pump cylindrical and slim, it can be installed in a well casing for deep well dewatering. The center flange construction assures a stable installation even if it is fixed by the discharge pipe.*¹ The top discharge, flow-thru design provides maximum motor cooling efficiency allowing continuous operation at low water levels and extended dry-run capability. The pump incorporates seal pressure relief ports that prevent the pumping pressure from applying to the shaft seal.*²

*¹ excluding LH4110W

*² excluding LH23.0W



LH23.0W

LH311W

LH4110W

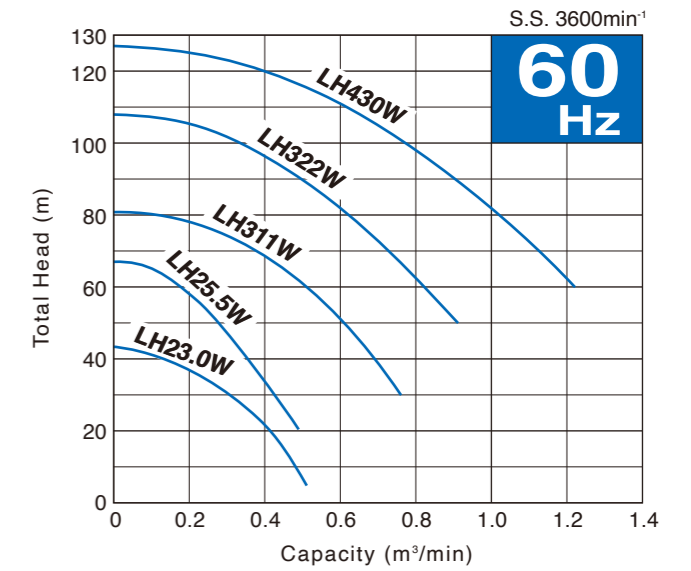
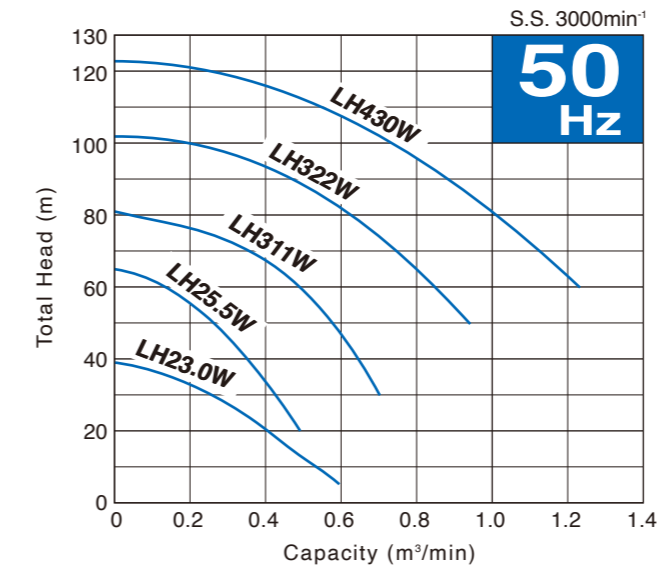
| Discharge Bore mm | Model | Motor Output kW | Phase | Starting Method | Solids Passage mm | Dimensions L x H mm | Dry Weight* ² kg | Cable Length m |
|----------------------|---------|--------------------|-------|----------------------|----------------------|---------------------------|--------------------------------|-------------------|
| 50 | LH23.0W | 3 | Three | D.O.L. | 6 | 185 x 630 | 46 | 20 |
| 50 | LH25.5W | 5.5 | | D.O.L.* ¹ | 6 | 254 x 750 | 80 | 20 |
| 80 | LH311W | 11 | | D.O.L.* ¹ | 8.5 | 270 x 1024 | 130 | 20 |
| 80 | LH322W | 22 | | D.O.L.* ¹ | 8.5 | 330 x 1235 | 304 | 20 |
| 100 | LH430W | 30 | | Star-Delta | 8.5 | 365 x 1375 | 324 | 20 |
| 100 | LH4110W | 110 | | Star-Delta | 8 | 616 x 1825 | 1270 | 20 |

*¹ Star-Delta available upon request

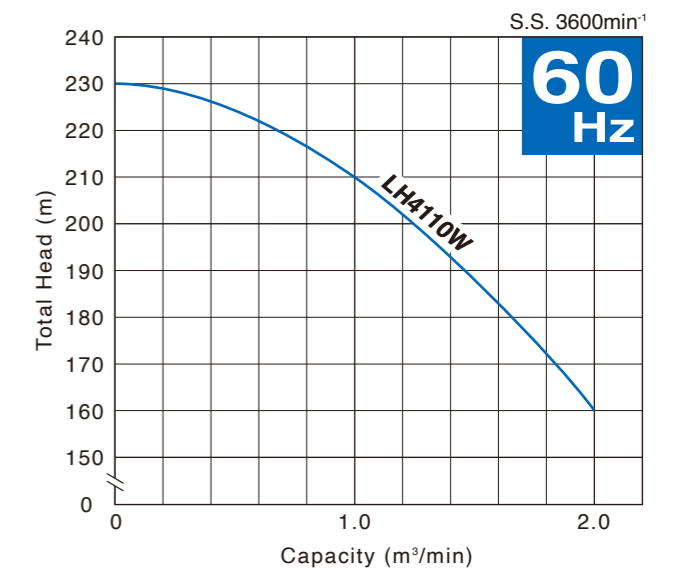
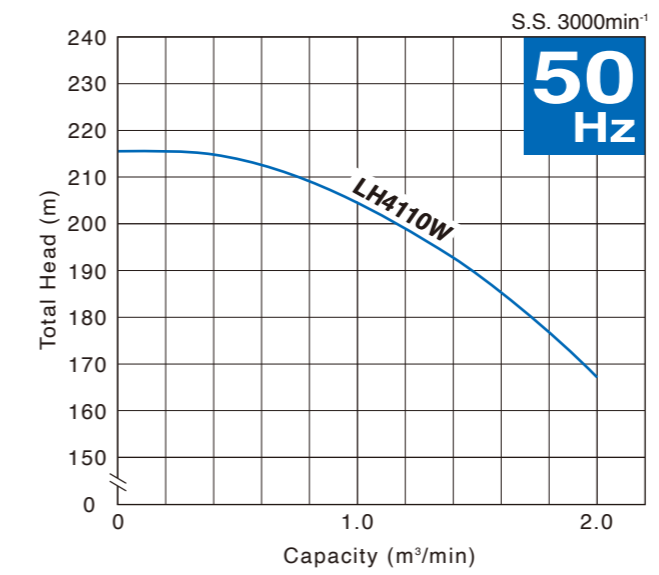
*² Weights excluding cable

Performance Curves

< 3-30kW >



< 110kW >



LH-D –Double Suction Impeller–

The LH-D-series are submersible pumps with 2-pole 110/185 kW motors, on which a double suction impeller is mounted to deliver assured performance in high volume, high head applications. These pumps were developed based on Tsurumi's LH-series that has built a long-standing name and reputation as a quality line of submersible high head drainage pumps in the mining and construction fields. With a max. capacity of 14 m³/min and max. head of 92 m, the LH10110D and LH12185D meet the needs of open-pit/underground mining, heap leaching and large-scale tunneling work.



LH12185D

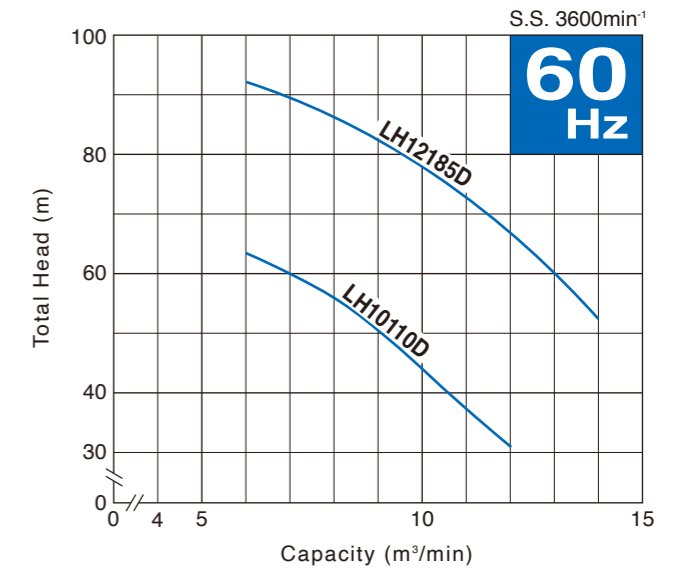
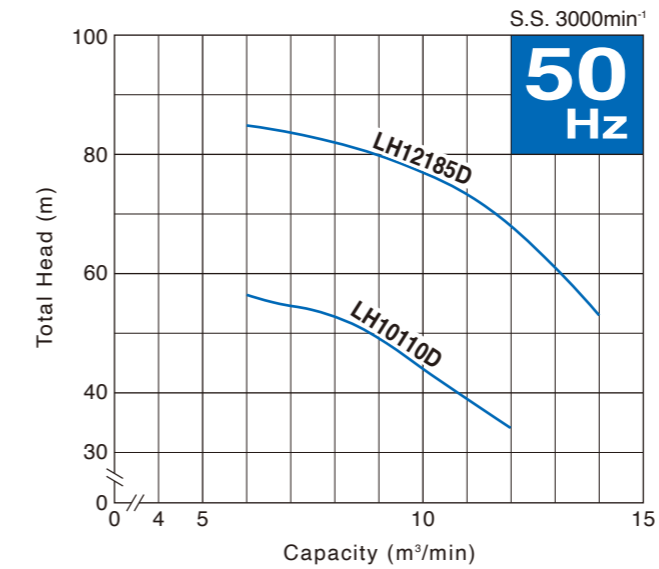
| Discharge Bore mm | Model | Motor Output kW | Phase | Starting Method | Solids Passage mm | Dimensions L x H mm | Dry Weight* kg | Cable Length m |
|----------------------|----------|--------------------|-------|-----------------|----------------------|---------------------------|-------------------|-------------------|
| 250 | LH10110D | 110 | Three | Star-Delta | 20 | 699 x 1853 | 1450 | 20 |
| 300 | LH12185D | 185 | | Star-Delta | 20 | 773 x 2008 | 1950 | 20 |

*Weights excluding cable



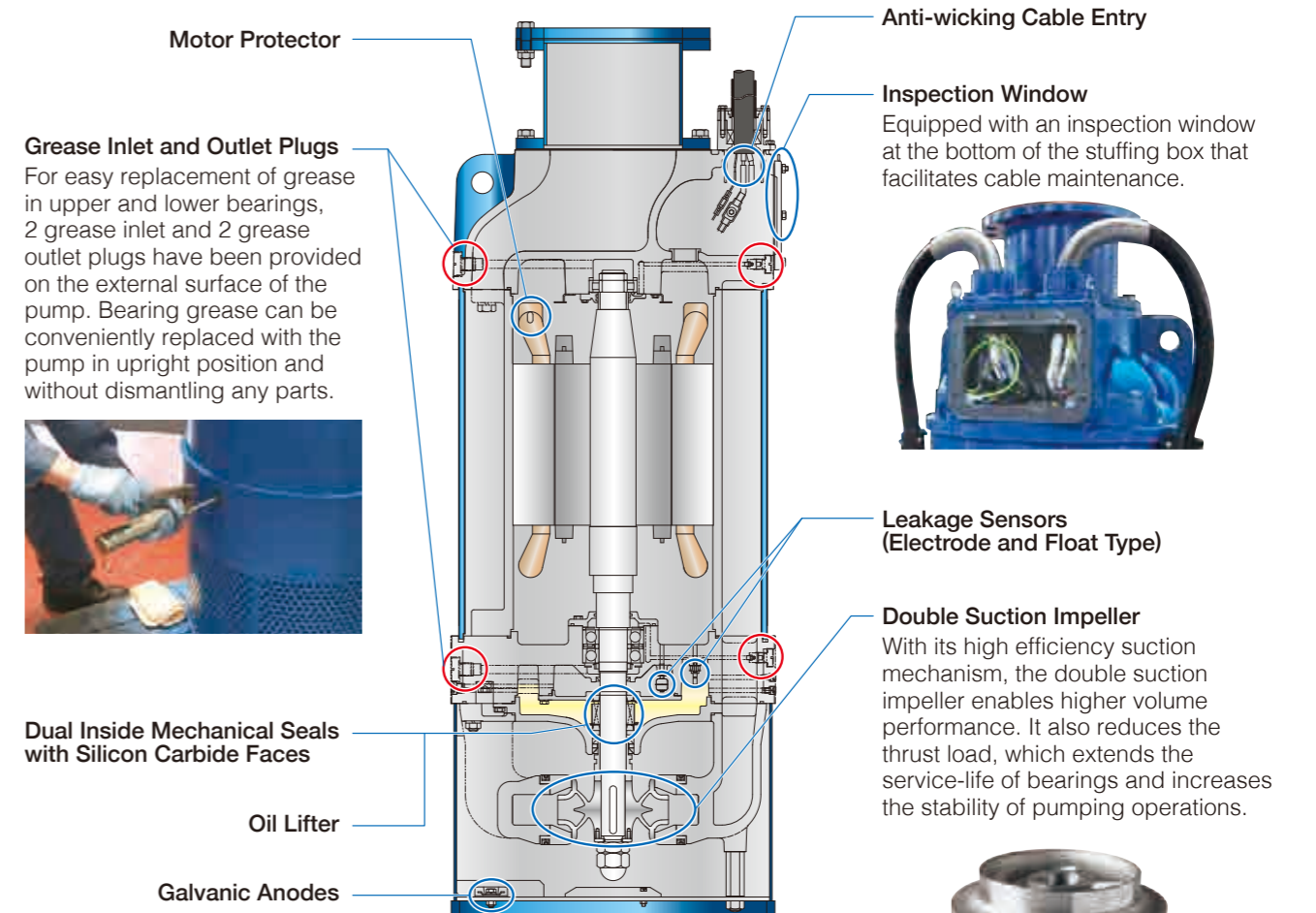
Performance Curves

< 110 • 185kW >



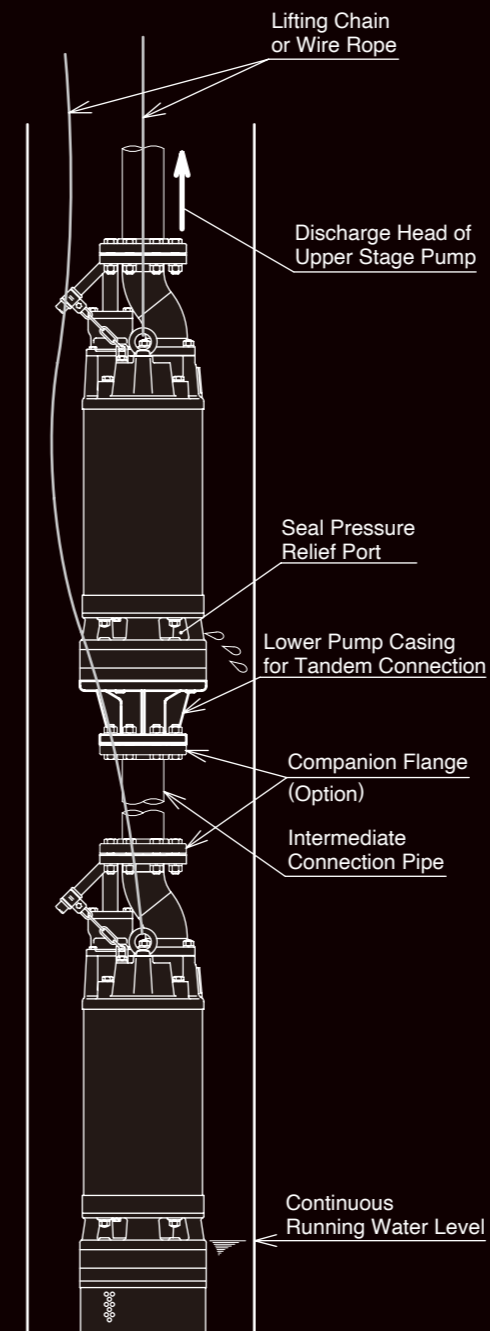
Features

The biggest feature of LH-D-series is that they powerfully draw large volume of water from both upper and lower sides of the double suction impeller. This reduces thrust load, which extends the service-life of bearings and increases the stability of pumping operations. Moreover, in order to stand up to harsh conditions of use, the impeller and suction mouth are made of wear-resistant high-chromium cast iron.



Tandem Operation

“Tandem operation” is an operation method that connects two pumps of the same model in series. This provides double pump head at the same flow rate in comparison with that of a single pump. The principle of tandem operation is the same as that with multistage pumps.



Precautions for Selection and Use

For model selection, piping and installation procedure, be sure to consult Tsurumi distributors in advance.

1. If the required total head exceeds the maximum head of the pump without the intermediate connection pipe shown in the selection table, insert an intermediate connection pipe of a length corresponding to the excess amount or more, to reduce the pressure applied to the pump in the upper stage.
2. Check the approximate weight of one pump and the allowable load for two eyebolts (per pump) shown in the selection table, and determine the piping weight, installation method and lifting procedure so that the allowable load is not exceeded.
3. The pump in the lower stage should be installed at the bottom of the vertical hole, unless special measures are taken. Do not suspend the pump in midair. Do not allow the weight of the upper pump and piping to be applied to the lower pump.
4. Since a certain amount of water spouts from the seal pressure relief port,* both the upper- and lower-stage pumps should be installed in the vertical hole. Do not use the pumps as booster pumps in the middle of a horizontal line lying on the ground.
* excluding LH33.0 and LH23.0W
5. Do not connect pumps of different models in series. Do not use either of two connected pumps singly. Failure to observe these instructions may change the operating point improper, resulting in trouble.

Tandem Operation -LH / LH-W-

“Tandem operation” is an operation method that connects two pumps of the same model in series. This provides double pump head at the same flow rate in comparison with that of a single pump. The principle of tandem operation is the same as that with multistage pumps. The LH and LH-W series pumps adopt the center flange construction to align the discharge pipe with the cylindrical pump center axis*. Connecting the pumps in series with the tandem connector can provide higher pump head without affecting the advantage of the slim design. At construction sites, there are many cases where a higher pump head is required as construction work progresses. In such cases, the addition of a tandem pump may meet the required pump head, instead of using a new pump.

* Available as an option for separately purchased LH33.0 and LH23.0W.



LH23.0W
for Tandem Operation

LH430W
for Tandem Operation

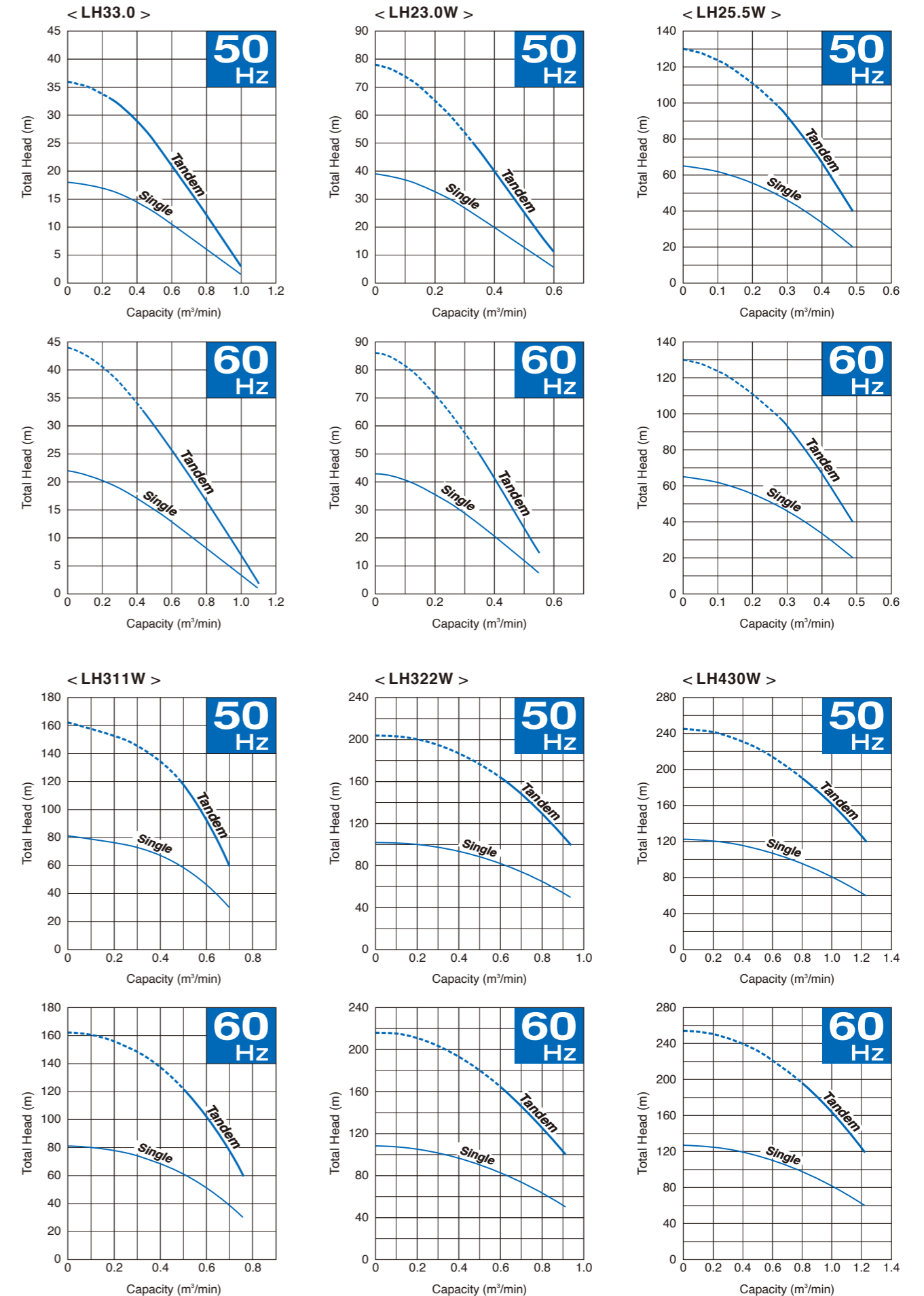
| Discharge Bore mm | Model | Motor Output kW | Starting Method | Max. Head in Tandem m | Max. Head w/o Intermediate Connection Pipe m | Dimensions L x H mm | Dry Weight *2 kg | Allowable Load on Eyebolts kg | Cable Length m |
|----------------------|---------|--------------------|-----------------|--------------------------|---|------------------------|---------------------|----------------------------------|-------------------|
| 80 | LH33.0 | 3 | D.O.L. | 36 / 44 | 33 | 185 x 731 | 54 | 150 | 20 |
| 50 | LH23.0W | 3 | D.O.L. | 78 / 86 | 50 | 185 x 759 | 59 | 150 | 20 |
| 50 | LH25.5W | 5.5 | D.O.L.*1 | 130 | 97.5 | 254 x 808 | 96 | 220 | 20 |
| 80 | LH311W | 11 | D.O.L.*1 | 162 | 121.5 | 270 x 1043 | 125 | 450 | 20 |
| 80 | LH322W | 22 | D.O.L.*1 | 204 / 216 | 162 | 330 x 1255 | 365 | 950 | 20 |
| 100 | LH430W | 30 | Star-Delta | 246 / 254 | 190.5 | 365 x 1400 | 389 | 950 | 20 |

*1 Star-Delta available upon request

*2 Weights excluding cable

Performance Curves

The intermediate connection pipe is not required in the range indicated as a bold line on curves. If the required total head exceeds the maximum head of the pump without an intermediate connection pipe (indicated as dashed line), an intermediate connection pipe of a length corresponding to the excess amount or more is required.



Specifications

| | | LH | | | | | | | | | | | LH | | | LH-W | | | | | | LH-D | | | | |
|--------------------------|----------------------------|---|--|-------------------------|------------|----------------------|-------|-------|---------------------------------|---------------------|-------|--------|---|--|-------------------------|-----------------|-------------------------|---------------------------------|-------------------------|---------------------------------|---------------------|----------------------------|---------------------------------|----------|--|--|
| | | LH33.0 | LH422 | LH430 | LH615 | LH619 | LH622 | LH637 | LH645 | LH675 | LH690 | LH6110 | | LH837 LH845 | LH855 LH875 | LH890 LH8110 | LH23.0W | LH25.5W | LH311W | LH322W | LH430W | LH4110W | LH10110D | LH12185D | | |
| PUMP | Discharge Bore | mm | 80 | 100 | | 150 | | | | | | | 200 | | | 50 | | 80 | | 100 | | 250 | 300 | | | |
| | Discharge Connection | Threaded Hose Connector | JIS 10kg/cm ² Flange | | | | | | JIS 20kg/cm ² Flange | | | | | JIS 10kg/cm ² Flange | | | Threaded Hose Connector | JIS 10kg/cm ² Flange | | JIS 20kg/cm ² Flange | | | JIS 10kg/cm ² Flange | | | |
| | Solids Passage | mm | 6 | | 8.5 | 12 | | 6 | 8 | 10 | | | | 20 | | | 6 | | 8.5 | | 8 | 20 | | | | |
| | Impeller | | Semi-open | Closed | | | | | | | | | | | Closed | | | Semi-open (Dual) | Closed (Dual) | | | Closed (Dual Back-to-back) | Double Suction | | | |
| | | | | High-chromium Cast Iron | | | | | | | | | | | High-chromium Cast Iron | | | | | | | | | | | |
| | Mouth Ring / Suction Mouth | | — | High-chromium Cast Iron | | | | | | | | | | | High-chromium Cast Iron | | | — | High-chromium Cast Iron | | | | | | | |
| | Labyrinth Ring | | — | 304 Stainless Steel | | | | | | 403 Stainless Steel | | | | | 304 Stainless Steel | | 403 Stainless Steel | 304 Stainless Steel | | | 630 Stainless Steel | — | | | | |
| | Casing | | Gray Cast Iron / Ductile Cast Iron | | | | | | | | | | | Gray Cast Iron / Ductile Cast Iron | | | | | | | | | | | | |
| | Shaft Seal | | Dual Inside Mechanical Seals (with Oil Lifter) | | | | | | | | | | | Dual Inside Mechanical Seals (with Oil Lifter) | | | | | | | | | | | | |
| | | | Silicon Carbide | | | | | | | | | | | Silicon Carbide | | | | | | | | | | | | |
| Shaft Sleeve | | 403 Stainless Steel | | | | | | | | | | | 403 Stainless Steel | | | | | | | | 630 Stainless Steel | 403 Stainless Steel | | | | |
| Galvanic Anode | | — | Aluminium Alloy | | | | | | | | | | | Aluminium Alloy | | | — | Zinc | | Aluminium Alloy | | | | | | |
| MOTOR | Type | Continuous-duty Rated, Dry-type Induction Motor | | | | | | | | | | | Continuous-duty Rated, Dry-type Induction Motor | | | | | | | | | | | | | |
| | Output | kW | 3 | 22 | 30 | 15 | 19 | 22 | 37 | 45 | 75 | 90 | 110 | | 37 45 | 55 75 | 90 110 | 3 | 5.5 | 11 | 22 | 30 | 110 | 185 | | |
| | Phase | Three | | | | | | | | | | | Three | | | | | | | | | | | | | |
| | Pole | 2 | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| | Insulation | | F | B | F | B | | | F | | | | | F | | | B | | | F | | | | | | |
| | Starting Method | | D.O.L. | D.O.L.* ² | Star-Delta | D.O.L.* ² | | | Star-Delta | | | | | Star-Delta | | | D.O.L. | D.O.L.* ² | | | Star-Delta | | | | | |
| | Motor Protector (built-in) | | CTP | | MTP | CTP | | | MTP | | | | | MTP | | | CTP | | | MTP | | | | | | |
| | Leakage Sensor (built-in) | | — | | | | | | Electrode | | | | | — | Electrode | | | — | | | Electrode | Electrode + Float | | | | |
| | Lubricant | ml | 380 | 6900 | 3740 | 6900 | 4800 | 6100 | 8000 | | | | | 4800 | 6100 | 8000 | 380 | 720 | 800 | 2350 | | 7800 | 6000 | 8000 | | |
| | | | Turbine Oil (ISO VG32) | | | | | | | | | | | Turbine Oil (ISO VG32) | | | | | | | | | | | | |
| | Frame | | Gray Cast Iron | | | | | | | | | | | Gray Cast Iron | | | | | | | | | | | | |
| | Outor Cover | | Rolled Steel | | | | | | | | | | | Rolled Steel | | | | | | | | | | | | |
| | Shaft | | 420 Stainless Steel | | | | | | | | | | | 420 Stainless Steel | | | | | | | | | | | | |
| Power Cable | m | 20 | 10 | | | | | | 20 | | | | | 10 | | | 20 | | | | | | | | | |
| | | Chloroprene Rubber | | | | | | | | | | | Chloroprene Rubber | | | | | | | | | | | | | |
| Dry Weight* ¹ | kg | 42 | 350 | 355 | 213 | 350 | 360 | 495 | 510 | 865 | 1100 | 1200 | | 495 510 | 810 865 | 1150 1250 | 46 | 80 | 130 | 304 | 324 | 1270 | 1450 | 1950 | | |

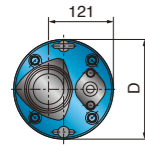
*¹ Weights excluding cable *² Star-Delta available upon request

Dimensions

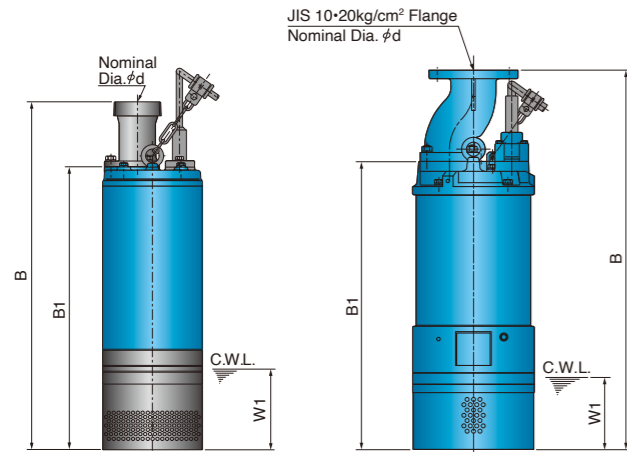
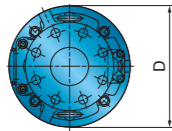
C.W.L.: Continuous Running Water Level

LH

< 80mm >

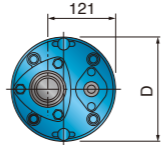


< 100-200mm >

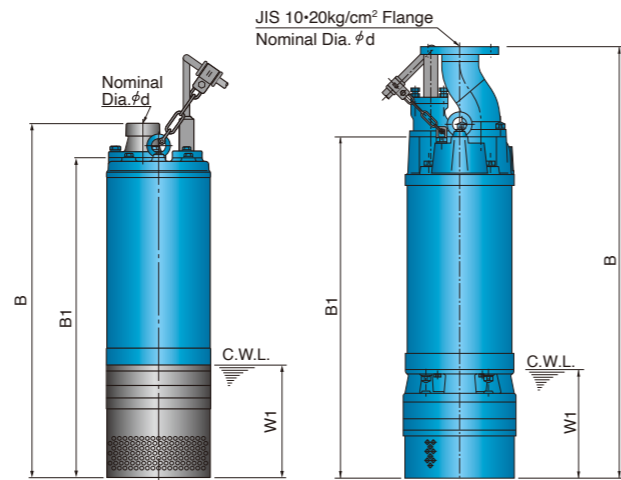
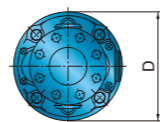


LH-W

< 3kW >

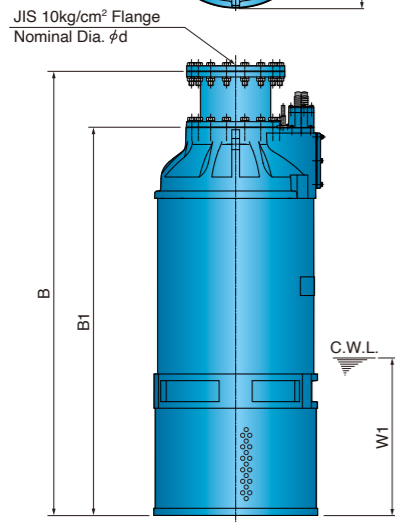
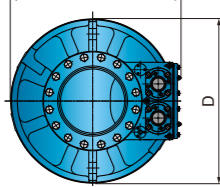


< 5.5-110kW >



LH-D

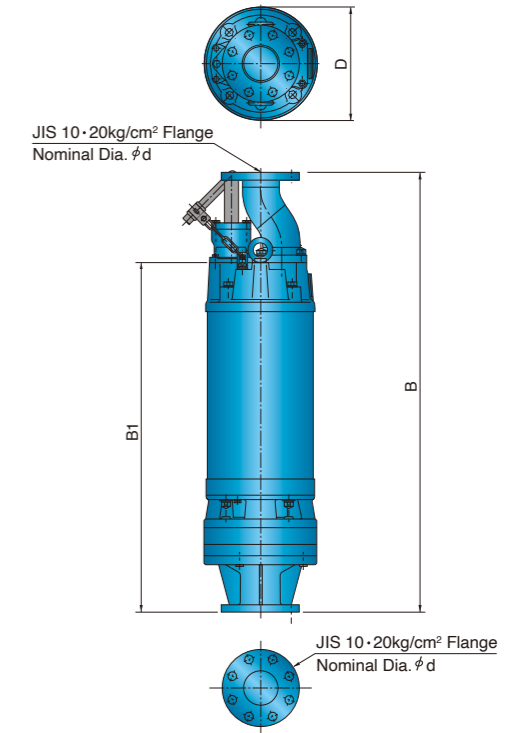
699 (LH10110D)
773 (LH12185D)



| | | Unit: mm | | | | |
|----------|----------|----------|------|------|-----|-----|
| Model | d | B | B1 | D | W1 | |
| LH | LH33.0 | 80 | 645 | 524 | 185 | 150 |
| | LH422 | 100 | 1352 | 1051 | 420 | 250 |
| | LH430 | 100 | 1352 | 1051 | 420 | 250 |
| | LH615 | 150 | 1014 | 777 | 330 | 185 |
| | LH619 | 150 | 1423 | 1072 | 420 | 270 |
| | LH622 | 150 | 1423 | 1072 | 420 | 270 |
| | LH637 | 150 | 1448 | 1027 | 530 | 180 |
| | LH645 | 150 | 1448 | 1027 | 530 | 180 |
| | LH675 | 150 | 1676 | 1300 | 563 | 200 |
| | LH690 | 150 | 1787 | 1385 | 592 | 200 |
| | LH6110 | 150 | 1887 | 1485 | 616 | 200 |
| | LH837 | 200 | 1488 | 1027 | 530 | 180 |
| | LH845 | 200 | 1488 | 1027 | 530 | 180 |
| | LH855 | 200 | 1716 | 1300 | 563 | 200 |
| LH875 | 200 | 1716 | 1300 | 563 | 200 | |
| LH890 | 200 | 1787 | 1385 | 592 | 200 | |
| LH8110 | 200 | 1887 | 1485 | 616 | 200 | |
| LH-W | LH23.0W | 50 | 630 | 569 | 185 | 200 |
| | LH25.5W | 50 | 750 | 574 | 254 | 170 |
| | LH311W | 80 | 1024 | 809 | 270 | 200 |
| | LH322W | 80 | 1235 | 978 | 330 | 300 |
| | LH430W | 100 | 1375 | 1018 | 365 | 300 |
| LH-D | LH4110W | 100 | 1825 | 1626 | 616 | 380 |
| | LH10110D | 250 | 1853 | 1600 | 694 | 600 |
| LH12185D | 300 | 2008 | 1755 | 743 | 700 | |

Tandem Operation

| Model | d | B | B1 | D |
|---------|-----|------|------|-----|
| LH33.0 | 80 | 731 | 510 | 185 |
| LH23.0W | 50 | 759 | 558 | 185 |
| LH25.5W | 50 | 808 | 632 | 254 |
| LH311W | 80 | 1043 | 828 | 270 |
| LH322W | 80 | 1255 | 998 | 330 |
| LH430W | 100 | 1400 | 1043 | 365 |



An excellent choice for deep well dewatering!



Tsurumi LH/LH-W series of submersible pumps are an excellent choice for worksites where deep well dewatering is used to deal with groundwater issues. Their slim body, high head performance and pressure-resistant construction meet the seepage and drainage challenges of excavated pits that require deeper, narrower wells.



CELEBRATING

50

YEARS OF EXPERIENCE

**EXPERIENCE INNOVATIVE
THINKERS AND PRODUCTS**



ALL ABOUT EXPERIENCE

allpumps.com.au

1300 255 786 | sales@allpumps.com.au