5 Star Rating Pump
MORE STAR MORE SAVING
ENERGY SAVING GUIDE

IS:9079 CM/L-7200081504
IS:8034 CM/L-7588297
IS:8472 CM/L-7200072398
IS:14220 CM/L-7200113689
IS:9283 CM/L-7200134798
ISO 9001:2015
ENERGY IS LIFE
CONSERVE IT

WATERING INDIA TO FLOW

# "OPENWELL SUBMERSIBLE PUMPSET"

# LATTEYS®

## Non Stop Watering

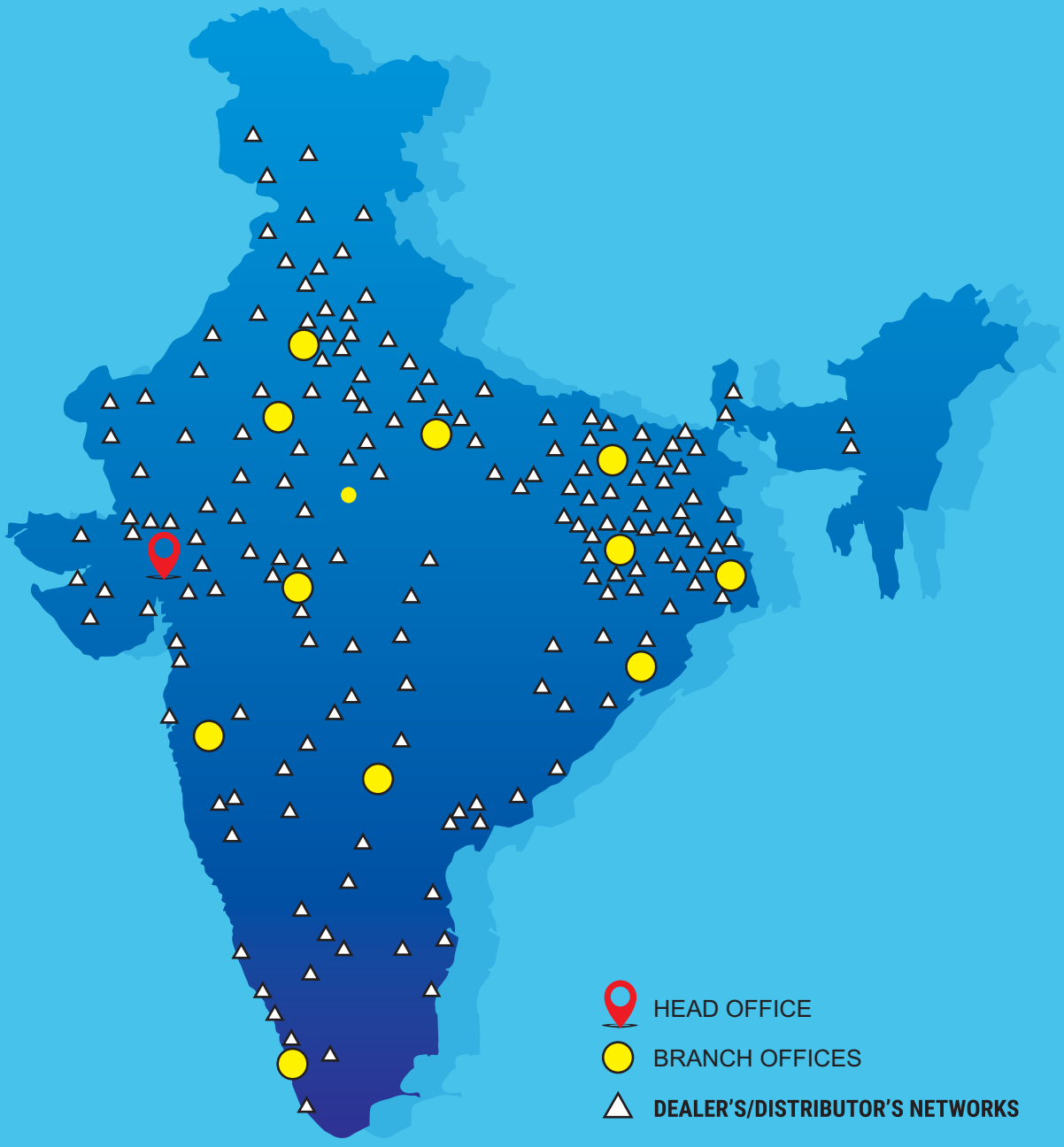

OUR PRODUCT RANGE

LATTEYS
Non Stop Watering
PUMPS | MOTORS

CELEBRATING 15 YEARS 2004 2019
Miles to go...

Create Energy by Saving Energy
QUALITY 1st PRIORITY

# BRANCH OFFICES/ DEALER NETWORK




**OFFICES: AHMEDABAD | BHUBANESHWAR | DELHI | KANPUR| PATNA | PUNE | RANCHI | INDORE | SECUNDERABAD**


# Who we are?

As India's leading manufacturer of energy efficient submersible pumps, we are well-known in our industry. We create our products for a number of sectors which include agricultural, industrial, domestic and horticultural.

Our Company is in the business of manufacturing of pumping solutions for Domestic, agriculture & Industrial sectors. Pumps includes Submersible, Self-Priming, Centrifugal Monoblock, Shallow-well and Horizontal Openwell Submersible Pumpsets since year 2004.

Company manufactures more than 700 models of pumps at its portfolio. These pumps are manufactured and marketed all over India. We are pioneer in manufacturing Submersible pumps.

The company started manufacturing in year 2004 in Chhatraal, Gujarat and moved to a strategic location of GIDC Naroda, Gujarat with an area of 5,718 sq. meters in year 2011. The company currently has an installed production capacity of approximate 1,20,000 pumps per annum. The manufacturing facilities are equipped with requisite machineries, measuring instruments and testing equipments to keep up a constant check on quality.

The company is an ISO 9001:2015 certified company for certifying the quality system of our company. Our product are having BIS mark as under:

| | |
|---|---|
| 1) Submersible Pumpsets | Against IS 8034:2002 |
| 2) Regenerative Self priming Pumpsets | Against IS 8472:1998 |
| 3) Electrical Monoset Pumps | Against IS 9079:2018 |
| 4) Openwell Submersible Pumpsets | Against IS 14220:2018 |
| 5) Motors for Submersible Pumpsets | Against IS 9283:2013 |

In our Submersible Pumpsets we have about 200 models are having 5 star marking issued from Bureau of Energy Efficiency and we are going to add some more models in our range of star marking products.

Our Company manufactures pumps of various sizes, structures, technicalities which form the deciding factor for the usages and pricing of the product. We require raw materials like EC grade copper winding wire and cable, stainless steel pipe, stainless steel round bar, electrical sheet stamping, CI/SS castings, etc. which are procured from various industries from domestic market. We have a dedicated team of engineers which continuously look for improving the design, performance and quality of the pumps we manufacture. Our customers are mostly dealers and direct users. Our relationship with our wide reached dealers and esteemed customer base are key factors for our success in the industry.

Our Company is promoted and managed by Mr. Kapoor Chand Garg and Mr. Pawan Garg. Our promoters are actively and fully involved in the day-to-day affairs of our company's operations. They have more than a decade of experience in the pumps industry.

Our presence in the business for more than a decade have created a brand image which is also the effort of the industry experience we have, our brand is well accepted by the market and we shall continue to strengthen our brand by providing quality products at competitive rates across the global market in coming years.Strengthen our brand by providing quality products at competitive rates across the global market in coming years.

LATTEYS Non Stop Watering
PUMPS | MOTORS
CELEBRATING 15 YEARS 2004 2019
Miles to go...
QUALITY 1st PRIORITY

# Quality Policy

with a focus on continual
improvement in customer centricity
through technological processes & innovation.

We at **Latteys Industries Limited** are compliant to applicable requirements to make our **Quality Management System** the fulcrum to achieve these core objectives and build a institution that continues to be relevant beyond a hundred years.

This policy has been dully communication to all employees & interested Parties/Dealers/Distributors to meet the needs of

**QMS ISO 9001 : 2015.**

_____ Director

_____ Dated

LATTEYS Non Stop Watering
PUMPS | MOTORS

LATTEYS
Non Stop Watering
PUMPS | MOTORS

CELEBRATING 15 YEARS 2004 2019
Miles to go...

Create Energy by Saving Energy
QUALITY 1st PRIORITY

# OLMPS SERIES

## THREE PHASE
## HORIZONTAL OPENWELL
## SUBMERSIBLE PUMPSETS

# THREE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

**Description**

Latteys Horizontal Openwell Submersible Pumps are manufactured as per IS: 14220. The high-grade cast iron material with unique hydraulic design gives better performance and efficiency.

As these pumps are designed for underwater applications so there is no need of priming and foot valve.

**Salient Features:**

- Compactly designed pumpset for easy handling and installation.
- High-grade cast iron for a better life even in heavy and contaminated water.
- Front side carbon bearing with Stainless Steel Thrust Plate and Backside SG Iron Plate with Gunmetal Bush for longer life under various conditions.
- Stamping is done with Electrical Grade Silicon Steel for lower power consumption and higher product life.
- Advanced Hydraulic Design for highest energy efficiency in the pump set.
- Pinhole on drain plug allows the motor to be filled with water on its own to maintain the water level inside the motor.
- Dynamically Balancing Rotating part to ensure minimum noise and vibration-free operation
-

**Application:**

Irrigation from open wells, specially where there is a wide fluctuation in water levels
Civil and industries
Community water supply from open wells
Canals and rivers
Agriculture

**MATERIAL OF CONSTRUCTION**

| | | |
|---|---|---|
| Motor Body | : | Stainless Steel/ Mild Steel/ Cast Iron |
| Stator | : | Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings. |
| Rotor | : | Copper Rotor/ Aluminium Die Cast rotor Coated with polyurethane paint for corrosion resistance and dynamically balanced for vibration free smooth operations. |
| Windings | : | PVC/ Polyester insulated. |
| Bearings | : | LTB-4 Heavy duty angular contact bearing with high load bearing capacity. |
| Thrust Bearings | : | SS Carbon thrust Bearing Special Self-alignning and water lubricated to with stand high axial thrust load. |
| Breather diaphragm | : | Adequately sized to accommodate expansion of water inside the motor and prevent loss cooling water . |
| Impeller | : | High Grade cast Iron abrasion resistant and dynamically balanced. |
| Bowl | : | High Grade Cast Iron. |
| Shaft | : | Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances. |
| Suction Casing | : | High graded Cast Iron. |
| Cable Sealing | : | Designed so that no Borewell water with sand can enter the motor. |
| Wearing Rings | : | High quality abrasion resistant Nitrile rubber. |


# THREE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

| MODEL | MOTOR RATING | | | | Head (M) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | SucxDel | Discharge (LPH) | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
| LHOW-333 OLMPS | 2.2 | 3.0 | 80 X 80 | | 970 | 892 | 802 | 634 | 310 | | | | | | | | | | | | |
| LHOW-3252 OLMPS | 2.2 | 3.0 | 65 X 50 | | 778 | 742 | 694 | 634 | 562 | 472 | 298 | | | | | | | | | | |
| LHOW-3252S OLMPS | 2.2 | 3.0 | 65 X 50 | | | | 538 | 514 | 484 | 460 | 424 | 388 | 346 | 292 | 196 | | | | | | |
| LHOW-3215 OLMPS | 2.2 | 3.0 | 50 X 40 | | | | | | | 286 | 280 | 268 | 262 | 250 | 238 | 220 | 202 | 172 | 130 | | |
| LHOW-53 OLMPS | 3.7 | 5.0 | 80 X 80 | | 1366 | 1300 | 1210 | 1132 | 1048 | 940 | 802 | 610 | | | | | | | | | |
| LHOW-5325 OLMPS | 3.7 | 5.0 | 80 X 65 | | | | | 910 | 862 | 814 | 760 | 700 | 634 | 550 | 400 | | | | | | |
| LHOW-74 OLMPS | 5.5 | 7.5 | 100 X 100 | | | | 1630 | 1546 | 1450 | 1330 | 1210 | 1060 | 850 | | | | | | | | |
| LHOW-7325 OLMPS | 5.5 | 7.5 | 80 X 65 | | | | | | 1132 | 1084 | 1030 | 970 | 910 | 838 | 754 | 640 | 430 | | | | |
| LHOW-1044 OLMPS | 7.5 | 10.0 | 100 X 100 | | | | 1930 | 1870 | 1798 | 1702 | 1630 | 1594 | 1420 | 1270 | 1090 | 820 | | | | | |
| LHOW-10325 OLMPS | 7.5 | 10.0 | 80 X 65 | | | | | 1246 | 1228 | 1204 | 1174 | 1144 | 1108 | 1072 | 1030 | 994 | 940 | 880 | 820 | 730 | 580 |
| LHOW-1244 OLMPS | 9.3 | 12.5 | 100 X 100 | | | | | | | | 2290 | 2230 | 2170 | 1990 | 1810 | 1690 | 1510 | 1210 | | | |
| LHOW-1544 OLMPS | 11.0 | 15.0 | 100 X 100 | | | | | | 2140 | 2116 | 2104 | 2056 | 2020 | 1936 | 1840 | 1690 | 1450 | 970 | 430 | | |

| MODEL | MOTOR RATING | | | | Head (M) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | SucxDel | Discharge (LPH) | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 |
| LHOW-5252 OLMPS | 3.7 | 5.0 | 65 X 50 | | | | 490 | 454 | 418 | 382 | 340 | 298 | 238 | | | | | | | | |
| LHOW-5215 OLMPS | 3.7 | 5.0 | 50 X 40 | | | | | | | | 268 | 256 | 238 | 220 | 202 | 172 | 142 | 70 | | | |
| LHOW-72525 OLMPS | 5.5 | 7.5 | 65 X 65 | | 652 | 628 | 616 | 592 | 562 | 532 | 490 | 448 | 400 | 328 | 190 | | | | | | |
| LHOW-7252 OLMPS | 5.5 | 7.5 | 65 X 50 | | | | | | 514 | 502 | 484 | 472 | 448 | 424 | 400 | 370 | 340 | 292 | 250 | | |
| LHOW-102525 OLMPS | 7.5 | 10.0 | 65 X 65 | | 778 | 766 | 754 | 742 | 730 | 712 | 688 | 664 | 640 | 610 | 574 | 532 | 490 | 430 | 370 | 250 | |
| LHOW-12325 OLMPS | 9.3 | 12.5 | 80 X 65 | | | | 1330 | 1240 | 1210 | 1150 | 1090 | 1030 | 970 | 910 | 820 | 760 | 670 | | | | |
| LHOW-15325 OLMPS | 11.0 | 15.0 | 80 X 65 | | 1180 | 1174 | 1156 | 1138 | 1120 | 1102 | 1078 | 1054 | 1018 | 976 | 940 | 880 | 820 | 730 | 610 | 460 | 250 |

| MODEL | MOTOR RATING | | | | Head (M) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | SucxDel | Discharge (LPH) | 42 | 44 | 4 | 48 | 50 | 52 | 56 | 60 | 64 | 68 | 72 | 76 | 80 | 84 | 88 | 92 | 9 |
| LHOW-10252 OLMPS | 7.5 | 10.0 | 65 X 50 | | 436 | 430 | 418 | 406 | 394 | 382 | 352 | 316 | 262 | 178 | | | | | | | |
| LHOW-15252 OLMPS | 11.0 | 15.0 | 65 X 50 | | | | | | | 472 | 454 | 430 | 400 | 358 | 310 | 220 | | | | | |

Performance may vary depending on Voltage, Frequency and Field Condition

LATTEYS
Non Stop Watering
PUMPS | MOTORS

CELEBRATING 15 YEARS 2004 2019
Miles to go...

Create Energy by Saving Energy
QUALITY 1st PRIORITY

# SINGLE/ THREE PHASE
# HORIZONTAL OPENWELL
# SUBMERSIBLE PUMPSETS

LATTEYS Non Stop Watering
PUMPS | MOTORS

CELEBRATING 15 YEARS 2004 2019
Miles to go...

Create Energy by Saving Energy
1st QUALITY PRIORITY

# SINGLE/THREE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

**Description**

Latteys Horizontal Openwell Submersible Pumps are manufactured as per IS: 14220. The high-grade cast iron material with unique hydraulic design gives better performance and efficiency.

As these pumps are designed for underwater applications so there is no need of priming and foot valve.

**Salient Features:**

- Compactly designed pumpset for easy handling and installation.
- High-grade cast iron for a better life even in heavy and contaminated water.
- Front side carbon bearing with Stainless Steel Thrust Plate and Backside SG Iron Plate with Gunmetal Bush for longer life under various conditions.
- Stamping is done with Electrical Grade Silicon Steel for lower power consumption and higher product life.
- Advanced Hydraulic Design for highest energy efficiency in the pump set.
- Pinhole on drain plug allows the motor to be filled with water on its own to maintain the water level inside the motor.
- Dynamically Balancing Rotating part to ensure minimum noise and vibration-free operation
-

**Application:**

Irrigation from open wells, specially where there is a wide fluctuation in water levels
Civil and industries
Community water supply from open wells
Canals and rivers
Agriculture

**MATERIAL OF CONSTRUCTION**

| | | |
|---|---|---|
| Motor Body | : | Stainless Steel/ Mild Steel/ Cast Iron |
| Stator | : | Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings. |
| Rotor | : | Copper Rotor/ Aluminium Die Cast rotor Coated with polyurethane paint for corrosion resistance and dynamically balanced for vibration free smooth operations. |
| Windings | : | PVC/ Polyester insulated. |
| Bearings | : | LTB-4 Heavy duty angular contact bearing with high load bearing capacity. |
| Thrust Bearings | : | SS Carbon thrust Bearing Special Self-alignning and water lubricated to with stand high axial thrust load. |
| Breather diaphragm | : | Adequately sized to accommodate expansion of water inside the motor and prevent loss cooling water . |
| Impeller | : | High Grade cast Iron abrasion resistant and dynamically balanced. |
| Bowl | : | High Grade Cast Iron. |
| Shaft | : | Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances. |
| Suction Casing | : | High graded Cast Iron. |
| Cable Sealing | : | Designed so that no Borewell water with sand can enter the motor. |
| Wearing Rings | : | High quality abrasion resistant Nitrile rubber. |

# SINGLE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 1- PHASE, 50 Hz, A.C. SUPPLY

| MODEL | MOTOR RATING | | | Discharge (LPM) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | Stage | Head(M) | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 |
| LHOW-H45 | 0.4 | 0.5 | 25 x 25 | | 8000 | 7000 | 6000 | | | | | | | | | | |
| LHOW-H60 | 0.4 | 0.5 | 25 x 25 | | 7200 | 6200 | 5500 | 4200 | | | | | | | | | |
| LHOW-H65 | 0.4 | 0.5 | 25 x 25 | | 9200 | 8600 | 7900 | 7000 | 5200 | | | | | | | | |
| LHOW-F80 | 0.8 | 1.0 | 25 x 25 | | | 8200 | 7700 | 7100 | 5250 | 3500 | | | | | | | |
| LHOW-F90A | 0.8 | 1.0 | 25 x 25 | | | 10100 | 9500 | 7500 | 5300 | 3600 | 3450 | | | | | | |
| LHOW-F90 | 0.8 | 1.0 | 25 x 25 | | | 10300 | 9800 | 7800 | 5800 | 3800 | 3600 | | | | | | |
| LHOW-F110 | 0.8 | 1.0 | 25 x 25 | | | | | 8600 | 8000 | 7000 | 6000 | 4500 | 3000 | | | | |
| LHOW-FH115 | 1.1 | 1.5 | 25 x 25 | | | | | 9100 | 8600 | 8000 | 7200 | 6300 | 5250 | | | | |
| LHOW-FH150 | 1.1 | 1.5 | 25 x 25 | | | | | | | | 7200 | 6800 | 6300 | 5300 | 4500 | 3200 | 1300 |
| LHOW-TW100 | 1.5 | 2.0 | 50 x 50 | | | | 14500 | 13000 | 12000 | 10500 | 9000 | 7500 | | | | | |

# THREE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 415 VOLTS, 3- PHASE, 50 HZ, A.C. SUPPLY

| MODEL | MOTOR RATING | | | Head (M) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | SucxDel | Discharge (LPH) | 12 | 15 | 18 | 20 | 22 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 50 | 52 | 55 | 60 | 64 |
| LHOW-3252 | 2.2 | 3.0 | 65 X 50 | | | | 450 | 425 | 400 | 350 | 300 | 260 | 180 | | | | | | | | | | |
| LHOW-325 | 2.2 | 3.0 | 65 X 65 | | 925 | 775 | 350 | | | | | | | | | | | | | | | | |
| LHOW-3252C | 2.2 | 3.0 | 65 X 50 | | | | 450 | 425 | 400 | 350 | 300 | 260 | 180 | | | | | | | | | | |
| LHOW-325C | 2.2 | 3.0 | 65 X 65 | | 925 | 775 | 350 | | | | | | | | | | | | | | | | |
| LHOW-5252 | 3.7 | 5.0 | 65 X 50 | | | | | | | 650 | 620 | 580 | 550 | 500 | | 430 | 350 | | | | | | |
| LHOW-525 | 4.5 | 5.0 | 65 X 65 | | | | 980 | 900 | 810 | 700 | 380 | | | | | | | | | | | | |
| LHOW-53 | 4.5 | 5.0 | 75 X 75 | | | | 1020 | 920 | 780 | 520 | | | | | | | | | | | | | |
| LHOW-5252C | 3.7 | 5.0 | 65 X 50 | | | | | | | 650 | 620 | 580 | 550 | 500 | | 430 | 350 | | | | | | |
| LHOW-525C | 4.5 | 5.0 | 65 X 65 | | | | 980 | 900 | 810 | 700 | 380 | | | | | | | | | | | | |
| LHOW-53C | 4.5 | 5.0 | 75 X 75 | | | | 1020 | 920 | 780 | 520 | | | | | | | | | | | | | |
| LHOW-6252 | 5.5 | 6.5 | 65 X 50 | | | | | | | | 615 | 605 | 590 | 550 | 475 | 425 | 375 | 150 | | | | | |
| LHOW-625 | 5.5 | 6.5 | 65 X 65 | | | | | 1050 | 960 | 800 | 625 | 475 | 180 | | | | | | | | | | |
| LHOW-63 | 5.5 | 6.5 | 75 X 75 | | | | 1150 | 1100 | 1010 | 840 | 670 | 320 | | | | | | | | | | | |
| LHOW-6252C | 5.5 | 6.5 | 65 X 50 | | | | | | | | 615 | 605 | 590 | 550 | 475 | 425 | 375 | 150 | | | | | |
| LHOW-625C | 5.5 | 6.5 | 65 X 65 | | | | | 1050 | 960 | 800 | 625 | 475 | 180 | | | | | | | | | | |
| LHOW-63C | 5.5 | 6.5 | 75 X 75 | | | | 1150 | 1100 | 1010 | 840 | 670 | 320 | | | | | | | | | | | |
| LHOW-7252 | 5.5 | 7.5 | 65 X 50 | | | | | | | | | | | 610 | 580 | 540 | 490 | 425 | 325 | 225 | | | |
| LHOW-73 | 5.5 | 7.5 | 75 X 75 | | | | | 1300 | 1200 | 1050 | 960 | 850 | 700 | | | | | | | | | | |
| LHOW-74 | 5.5 | 7.5 | 100 X 100 | | | | | 1250 | 1150 | 975 | 825 | 450 | | | | | | | | | | | |
| LHOW-7252C | 5.5 | 7.5 | 65 X 50 | | | | | | | | | | | 610 | 580 | 540 | 490 | 425 | 325 | 225 | | | |
| LHOW-73C | 5.5 | 7.5 | 75 X 75 | | | | | 1300 | 1200 | 1050 | 960 | 850 | 700 | | | | | | | | | | |
| LHOW-74C | 5.5 | 7.5 | 100 X 100 | | | | | 1250 | 1150 | 975 | 825 | 450 | | | | | | | | | | | |
| LHOW-10252 | 7.5 | 10.0 | 65 X 50 | | | | | | | | | | | | | 625 | 610 | 590 | 550 | 500 | 450 | 380 | |
| LHOW-103 | 7.5 | 10.0 | 75 X 75 | | | | | 1250 | 1200 | 1140 | 1050 | 950 | 790 | | | | | | | | | | |
| LHOW-104 | 7.5 | 10.0 | 100 X 100 | | | | | 1590 | 1490 | 1300 | 1060 | 850 | 625 | | | | | | | | | | |
| LHOW-10252C | 7.5 | 10.0 | 65 X 50 | | | | | | | | | | | | | 625 | 610 | 590 | 550 | 500 | 450 | 380 | |
| LHOW-103C | 7.5 | 10.0 | 75 X 75 | | | | | 1250 | 1200 | 1140 | 1050 | 950 | 790 | | | | | | | | | | |
| LHOW-104C | 7.5 | 10.0 | 100 X 100 | | | | | 1590 | 1490 | 1300 | 1060 | 850 | 625 | | | | | | | | | | |

Performance may vary depending on Voltage, Frequency and Field Condition

LATTEYS
Non Stop Watering
PUMPS | MOTORS

CELEBRATING 15 YEARS 2004 2019
Miles to go...

Create Energy by Saving Energy
QUALITY 1st PRIORITY

# SINGLE & THREE PHASE
# VERTICAL OPENWELL
# SUBMERSIBLE PUMPSETS

# VERTICAL OPENWELL SUBMERSIBLE PUMPSETS

**Description**

Latteys Vertical Open Well Submersible Pumps are manufactured as per IS: 14220.
The high-grade cast iron material with unique hydraulic design gives better performance and efficiency.
The sturdy construction and design of the motor also gives shock-absorbing capacity during installation.

**Salient Features:**

- Cast iron Stator body gives a robust design.
- Accurately machined on CNC machine for reliable performance and longer life.
- Stator and rotor of the monoset are vacuumed, impregnated with synthetic varnish and epoxy coated for corrosion resistance.
- Highly efficient hydraulic design.
- Provided with double eye-bolt for easy installation.
- Products are available with NRV, which reduces the thrust load of backpressure.

**Application:**

Irrigation from open wells, specially where there is a wide fluctuation in water levels
Civil and industries
Community water supply from open wells
Canals and rivers
Agriculture

**MATERIAL OF CONSTRUCTION**

| | | |
|---|---|---|
| Motor Body | : | Cast Iron |
| Stator | : | Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings. |
| Rotor | : | Copper Rotor/ Aluminium Die Cast rotor Coated with polyurethane paint for corrosion resistance and dynamically balanced for vibration free smooth operations. |
| Windings | : | PVC/ Polyester insulated. |
| Bearings | : | LTB-4 Heavy duty angular contact bearing with high load bearing capacity. |
| Thrust Bearings | : | SS Carbon thrust Bearing Special Self-alignning and water lubricated to with stand high axial thrust load. |
| Breather diaphragm | : | Adequately sized to accommodate expansion of water inside the motor and prevent loss cooling water . |
| Impeller | : | High Grade cast Iron abrasion resistant and dynamically balanced. |
| Bowl | : | High Grade Cast Iron. |
| Shaft | : | Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances. |
| Suction Casing | : | High graded Cast Iron. |
| Cable Sealing | : | Designed so that no Borewell water with sand can enter the motor. |
| Wearing Rings | : | High quality abrasion resistant Nitrile rubber. |


# VERTICAL OPENWELL SUBMERSIBLE PUMPSETS

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 230 VOLTS, 1- PHASE (UPTO 7.5HP)/415 VOLTS, 3- PHASE, 50 HZ, A.C. SUPPLY

| MODEL | MOTOR RATING | | OUTLET | | | DISCHARGE (LPM) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | Stage | mm | HEAD (M) | 220 | 260 | 300 | 380 | 440 | 470 | 500 | 560 | 620 | 680 |
| LVOWP-302 | 2.2 | 3.0 | 2 | 65 | | | 35 | 33 | 28 | 26 | 25 | 22 | | | |
| LVOWP-303 | 2.2 | 3.0 | 3 | 65 | | 48 | 39 | 33 | 29 | 27 | 26 | | | | |
| LVOWP-502 | 3.7 | 5.0 | 2 | 65 | | | 36 | 34 | 32 | 30 | 28 | 27 | 26 | 24 | 22 |
| LVOWP-503 | 3.7 | 5.0 | 3 | 65 | | 51 | 48 | 45 | 42 | 39 | 36 | 33 | 30 | | |
| LVOWP-504 | 3.7 | 5.0 | 4 | 65 | | 60 | 56 | 52 | 48 | 44 | 40 | 36 | | | |

| MODEL | MOTOR RATING | | OUTLET | | | DISCHARGE (LPM) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | kW | HP | Stage | mm | HEAD (M) | 450 | 490 | 520 | 550 | 610 | 670 | 730 | 790 | 850 | 910 | 970 | 1030 |
| LVOWP-702 | 5.5 | 7.5 | 2 | 65 | | | | | | 36 | 34 | 32 | 31 | 28 | 27 | 25 | 24 |
| LVOWP-703 | 5.5 | 7.5 | 3 | 65 | | | | | | 44 | 42 | 36 | 33 | 30 | | | |
| LVOWP-704 | 5.5 | 7.5 | 4 | 65 | | 66 | 63 | 59 | 56 | 48 | 38 | | | | | | |
| LVOWP-705 | 5.5 | 7.5 | 5 | 65 | | 70 | 65 | 50 | 46 | 45 | 40 | | | | | | |
| LVOWP-706 | 5.5 | 7.5 | 6 | 65 | | 72 | 68 | 62 | 48 | 46 | | | | | | | |
| LVOWP-1003 | 7.5 | 10.0 | 3 | 65 | | | | | | 56 | 52 | 48 | 45 | 42 | 38 | 36 | 33 |
| LVOWP-1004 | 7.5 | 10.0 | 4 | 65 | | | 70 | 68 | 64 | 60 | 56 | 52 | 48 | 44 | | | |
| LVOWP-1005 | 7.5 | 10.0 | 5 | 65 | | 75 | 70 | 65 | 63 | 60 | | | | | | | |
| LVOWP-1006 | 7.5 | 10.0 | 6 | 65 | | 78 | 72 | 70 | 66 | 62 | | | | | | | |
| LVOWP-1007 | 7.5 | 10.0 | 7 | 65 | | 84 | 70 | 63 | 60 | 56 | | | | | | | |
| LVOWP-1203 | 9.3 | 12.5 | 3 | 65 | | | | | | | | 54 | 50 | 47 | 45 | 42 | 39 |
| LVOWP-1204 | 9.3 | 12.5 | 4 | 65 | | | | | | 68 | 62 | 55 | | | | | |
| LVOWP-1205 | 9.3 | 12.5 | 5 | 65 | | | 86 | 80 | 75 | 70 | 65 | 56 | | | | | |
| LVOWP-1206 | 9.3 | 12.5 | 6 | 65 | | 90 | 84 | 78 | 75 | 72 | 66 | | | | | | |
| LVOWP-1208 | 9.3 | 12.5 | 8 | 65 | | 92 | 88 | 80 | 74 | 72 | | | | | | | |
| LVOWP-1505 | 11.0 | 15.0 | 5 | 65 | | | | 88 | 80 | 75 | 70 | 62 | 60 | 55 | 50 | | |
| LVOWP-1506 | 11.0 | 15.0 | 6 | 65 | | | 102 | 96 | 92 | 84 | 78 | 72 | 64 | | | | |
| LVOWP-1507 | 11.0 | 15.0 | 7 | 65 | | 112 | 104 | 98 | 94 | 83 | 77 | 70 | | | | | |
| LVOWP-2005 | 15.0 | 20.0 | 5 | 65 | | | | | | | 90 | 85 | 80 | 75 | 70 | 65 | 60 |
| LVOWP-2006 | 15.0 | 20.0 | 6 | 65 | | | | | 110 | 105 | 100 | 95 | 91 | 85 | 81 | 75 | |

Performance may vary depending on Voltage, Frequency and Field Condition

# SUBMERSIBLE PUMPSET CABLE SELECTION CHART

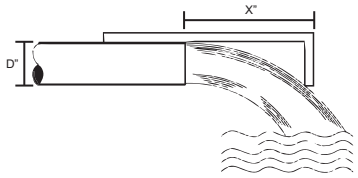
| HP | CABLE LENGTH IN METERS | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 140 | 180 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| | Cable Size in Sq.mm | | | | | | | | | | | | | | | | | | | |
| 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 |
| 2.00 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 |
| 3.00 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 6.00 |
| 4.00 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 4.00 | 4.00 | 6.00 | 6.00 | 6.00 | 6.00 | 10.00 | 10.00 |
| 5.00 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 6.00 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 10.00 | 16.00 |
| 7.50 S | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 16.00 |
| 7.50 D | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 |
| 10.00 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 10.00 | 16.00 |
| 12.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 16.00 |
| 15.00 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 16.00 | 16.00 |
| 17.50 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 16.00 | 25.00 | 25.00 |
| 20.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 16.00 | 25.00 | 25.00 | 25.00 |
| 25.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 6.00 | 6.00 | 10.00 | 10.00 | 16.00 | 16.00 | 16.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| 30.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 25.00 | 25.00 | 25.00 | 35.00 | 35.00 |
| 40.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 16.00 | 16.00 | 25.00 | 25.00 | 25.00 | 35.00 | 35.00 | 50.00 | 50.00 |
| 50.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 25.00 | 25.00 | 35.00 | 35.00 | 50.00 | 50.00 | 50.00 | 70.00 |
| 60.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 35.00 | 35.00 | 50.00 | 50.00 | 50.00 | 70.00 | 70.00 |
| 70.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 35.00 | 50.00 | 50.00 | 50.00 | 70.00 | 70.00 | 70.00 |
| 80.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 50.00 | 50.00 | 70.00 | 70.00 | 95.00 | 95.00 |

Conversion Table: 1m = 3.28 ft | 1 ft = 0.305 m

For other Voltages the cable size is to be selected as follows:
Calculated length = (220 / Volt) x actual length.

## DISCHARGE MANAGEMENT CHART

| HORIZONTAL DISTANCE "X" IN INCHES | DISCHARGE RATE (GALLONS PER MINUTE) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1" | 1.25" | 1.5" | 2" | 2.5" | 3" | 4" | 5" | 6" |
| 1 | 5.7 | 9.8 | 13.3 | 22.0 | 31.0 | 49.0 | 83.0 | 130.0 | 190.0 |
| 2 | 7.1 | 12.2 | 16.6 | 28.0 | 39.0 | 61.0 | 104.0 | 165.0 | 240.0 |
| 3 | 8.5 | 14.7 | 20.0 | 33.0 | 47.0 | 73.0 | 125.0 | 195.0 | 285.0 |
| 4 | 10.0 | 17.1 | 23.2 | 39.0 | 55.0 | 85.0 | 146.0 | 230.0 | 335.0 |
| 5 | 11.3 | 19.6 | 26.5 | 44.0 | 62.0 | 98.0 | 166.0 | 260.0 | 380.0 |
| 6 | 12.8 | 22.0 | 29.8 | 50.0 | 70.0 | 110.0 | 187.0 | 295.0 | 430.0 |
| 7 | 14.2 | 24.5 | 33.2 | 55.0 | 78.0 | 122.0 | 208.0 | 325.0 | 475.0 |
| 8 | 15.6 | 26.0 | 36.5 | 61.0 | 86.0 | 134.0 | 229.0 | 360.0 | 525.0 |
| 9 | 17.0 | 29.0 | 39.0 | 66.0 | 94.0 | 147.0 | 250.0 | 390.0 | 570.0 |
| 10 | 18.5 | 31.5 | 43.0 | 72.0 | 101.0 | 159.0 | 270.0 | 425.0 | 620.0 |
| 11 | 20.0 | 34.0 | 46.5 | 77.0 | 109.0 | 171.0 | 291.0 | 450.0 | 665.0 |
| 12 | 21.3 | 36.3 | 49.6 | 83.0 | 117.0 | 183.0 | 312.0 | 490.0 | 710.0 |
| 13 | 22.7 | 39.0 | 53.0 | 88.0 | 125.0 | 196.0 | 333.0 | 520.0 | 760.0 |
| 14 | 24.1 | 41.5 | 56.3 | 94.0 | 133.0 | 208.0 | 353.0 | 555.0 | 810.0 |
| 15 | 25.5 | 43.7 | 59.6 | 99.0 | 140.0 | 220.0 | 374.0 | 590.0 | 855.0 |
| 16 | 27.0 | 46.2 | 62.9 | 105.0 | 148.0 | 232.0 | 395.0 | 620.0 | 905.0 |
| 17 | 28.4 | 48.6 | 66.2 | 111.0 | 156.0 | 244.0 | 416.0 | 650.0 | 950.0 |
| 18 | 29.8 | 51.0 | 69.5 | 116.0 | 164.0 | 256.0 | 437.0 | 685.0 | 1000.0 |
| 19 | 31.2 | 53.5 | 72.8 | 122.0 | 172.0 | 269.0 | 457.0 | 720.0 | 1050.0 |
| 20 | 32.7 | 55.9 | 76.1 | 127.0 | 179.0 | 281.0 | 478.0 | 750.0 | 1095.0 |
| 21 | 34.1 | 58.3 | 79.4 | 133.0 | 187.0 | 293.0 | 499.0 | 780.0 | 1140.0 |
| 22 | 35.5 | 60.7 | 82.7 | 138.0 | 195.0 | 306.0 | 520.0 | 815.0 | 1190.0 |
| 23 | 36.9 | 63.2 | 86.0 | 144.0 | 203.0 | 318.0 | 541.0 | 845.0 | 1235.0 |
| 24 | 38.3 | 65.6 | 89.3 | 149.0 | 211.0 | 330.0 | 561.0 | 880.0 | 1285.0 |




**EXAMPLE :**

| | |
|---|---|
| HORIZONTAL DISTANCE | "X"= 15" |
| NORMAL PIPE DIAMETER | "D"= 2" |
| DISCHARGE | Q = 83 GPM |

FOR CONVERSION OF GALLONS PER MINUTE:
TO LITRES PER SECONDS:
83 GPM= 83 X 4.54 /60= 6.28 LPS

## GENERATOR SELECTION CHART

| S.No. | MOTOR kW | MOTOR HP | RECOMMENDED GENERATOR CAPACITY INTERNALLY REGULATED kW | RECOMMENDED GENERATOR CAPACITY INTERNALLY REGULATED HP |
|---|---|---|---|---|
| 1 | 0.37 | 0.5 | 1.5 | 1.9 |
| 2 | 0.55 | 0.75 | 2 | 2.5 |
| 3 | 0.75 | 1 | 2.5 | 3.125 |
| 4 | 1.10 | 1.5 | 3 | 3.8 |
| 5 | 1.50 | 2 | 5 | 4 |
| 6 | 2.20 | 3 | 5 | 6.25 |
| 7 | 3.00 | 4 | 6 | 7.5 |
| 8 | 3.70 | 5 | 7.5 | 9.4 |
| 9 | 5.50 | 7.5 | 10 | 12.5 |
| 10 | 7.50 | 10 | 15 | 18.8 |
| 11 | 11.0 | 15 | 20 | 25 |
| 12 | 15.00 | 20 | 25 | 31 |
| 13 | 18.50 | 25 | 30 | 37.5 |
| 14 | 22.00 | 30 | 40 | 50 |
| 15 | 26.00 | 35 | 45 | 56.25 |
| 16 | 30.00 | 40 | 50 | 62.5 |
| 17 | 37.00 | 50 | 60 | 75 |
| 18 | 45.00 | 60 | 75 | 94 |
| 19 | 55.00 | 75 | 100 | 125 |
| 20 | 75.00 | 122 | 150 | 188 |
| 21 | 93.00 | 125 | 175 | 219 |

To Know More About Us Please Scan Here

# LATTEYS®
## Non Stop Watering


**LATTEYS INDUSTRIES LIMITED**

Plot No. 16, Phase 1/2, GDIC Estate, Naroda, Ahmedabad-382330, Gujarat

www.latteysindustries.com | info@latteysindustries.com


5 Star Rating Pump | IS:9079 CM/L-7200081504 | IS:8034 CM/L-7588297 | IS:8472 CM/L-7200072398 | IS:14220 CM/L-7200113689 | IS:9283 CM/L-7200134798 | VINCERT | ikhedut | ENERGY IS LIFE CONSERVE IT

Follow us on: