



LATTEYS[®]
Non Stop Watering

PERFORMANCE BOOKLET



OPENWELL SUBMERSIBLE PUMPSETS



AGRICULTURE



DOMESTIC



INDUSTRIAL



SOLAR



LATTEYS INDUSTRIES LIMITED

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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-aligning 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.



Watering India to Flow

THREE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

ITEM CODE	Model	MOTOR RATING			Discharge (LPH)	Head(M)															Price					
		SINGLE PHASE	MODEL	Kw		HP	Suc X Del	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	Price	
FGLHOW-0056	LHOW-5252 OLMPs			3.7	5.0	65 X 50				490	454	418	382	340	298	238										
FGLHOW-0057	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									
FGLHOW-0053	LHOW-7252 OLMPs			5.5	7.5	65 X 50					514	502	484	472	448	424	400	370	340	292	250					
FGLHOW-0012	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			

ITEM CODE	Model	MOTOR RATING			Discharge (LPH)	Head(M)															Price					
		SINGLE PHASE	MODEL	Kw		HP	Suc X Del	42	44	46	48	50	52	56	60	64	68	72	76	80	84	88	92	96	Price	
FGLHOW-0070	LHOW-10252 OLMPs			7.5	10.0	65 X 50	436	430	418	406	394	382	352	316	262	178										
FGLHOW-0066	LHOW-15252 OLMPs			11.0	15.0	65 X 50						472	454	430	400	358	310	220								

#SP: PHASE TO PHASE
 • ALSO AVAILABLE IN LONG SHAFT (PULLEY TYPE)



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-aligning 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.

**Watering
India
to
Flow**



SINGLE PHASE HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

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

ITEM CODE	Model	MOTOR RATING			Discharge (LPH)	Head(M)											Price			
		Kw	HP	Suc X Del		6	9	12	15	18	21	24	27	30	33	36	39	42	Price	
FGLHOW-0024	LHOW-H45	0.4	0.5	25 x 25		8000	7000	6000												
FGLHOW-0023	LHOW-H60	0.4	0.5	25 x 25		7200	6200	5500	4200											
FGLHOW-0021	LHOW-H65	0.4	0.5	25 x 25		9200	8600	7900	7000	5200										
FGLHOW-0030	LHOW-F80	0.8	1.0	25 x 25			8200	7700	7100	5250	3500									
FGLHOW-0028	LHOW-F90A	0.8	1.0	25 x 25			10100	9500	7500	5300	3600	3450								
FGLHOW-0073	LHOW-F90PLUS	0.8	1.0	25 x 25			10300	9800	7800	5800	3800	3600								
FGLHOW-0032	LHOW-F110	0.8	1.0	25 x 25					8600	8000	7000	6000	4500	3000						
FGLHOW-0027	LHOW-FH115	1.1	1.5	25 x 25					9100	8600	8000	7200	6300	5250						
FGLHOW-0026	LHOW-FH150	1.1	1.5	25 x 25								7200	6800	6300	5300	4500	3200	1300		
FGLHOW-0017	LHOW-TW100	1.5	2.0	50 x 50					14500	13000	12000	10500	9000	7500						
	LHOW-300	2.2	3.0	65X50						27000	25500	24000	21000	18000	15600					

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-aligning 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.



Watering India to Flow

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

ITEM CODE	ITEM CODE	Model	MOTOR RATING		Outlet		Head(M)	Discharge(LPM)								Price			
SINGLE PHASE	THREE PHASE	MODEL	Kw	HP	Stage	mm		220	260	300	380	440	470	500	560	620	680	SP	TP
		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						
	FGLVOW-0012	LVOWP-502	3.7	5.0	2	65			36	34	32	30	28	27	26	24	22		
	FGLVOW-0011	LVOWP-503	3.7	5.0	3	65		51	48	45	42	39	36	33	30				
	FGLVOW-0003	LVOWP-504	3.7	5.0	4	65		60	56	52	48	44	40	36					

ITEM CODE	ITEM CODE	Model	MOTOR RATING		Outlet		Head(M)	Discharge(LPM)										Price				
			SINGLE PHASE	THREE PHASE	MODEL	Kw		HP	Stage	mm	450	490	520	550	610	670	730	790	850	910	970	1030
	FGLVOW-0010	LVOWP-702												36	34	32	31	28	27	25	24	
	FGLVOW-0009	LVOWP-703												44	42	36	33	30				
	FGLVOW-0008	LVOWP-704						66	63	59	56	48	38									
	FGLVOW-0007	LVOWP-705						70	65	50	46	45	40									
		LVOWP-706						72	68	62	48	46										
	FGLVOW-0016	LVOWP-1003										56	52	48	45	42	38	36	33			
	FGLVOW-0015	LVOWP-1004							70	68	64	60	56	52	48	44						
	FGLVOW-0019	LVOWP-1005						75	70	65	63	60										
	FGLVOW-0014	LVOWP-1006						78	72	70	66	62										
		LVOWP-1007						84	70	63	60	56										
		LVOWP-1203												54	50	47	45	42	39			
		LVOWP-1204										68	62	55								
		LVOWP-1205							86	80	75	70	65	56								
		LVOWP-1206						90	84	78	75	72	66									
		LVOWP-1208						92	88	80	74	72										
		LVOWP-1505								88	80	75	70	62	60	55	50					
		LVOWP-1506							102	96	92	84	78	72	64							
		LVOWP-1507						112	104	98	94	83	77	70								
		LVOWP-2005											90	85	80	75	70	65	60			
		LVOWP-2006									110	105	100	95	91	85	81	75				



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