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

"ENGINEERING PLASTIC SUBMERSIBLE PUMPS"

LATTEYS®

Non Stop Watering

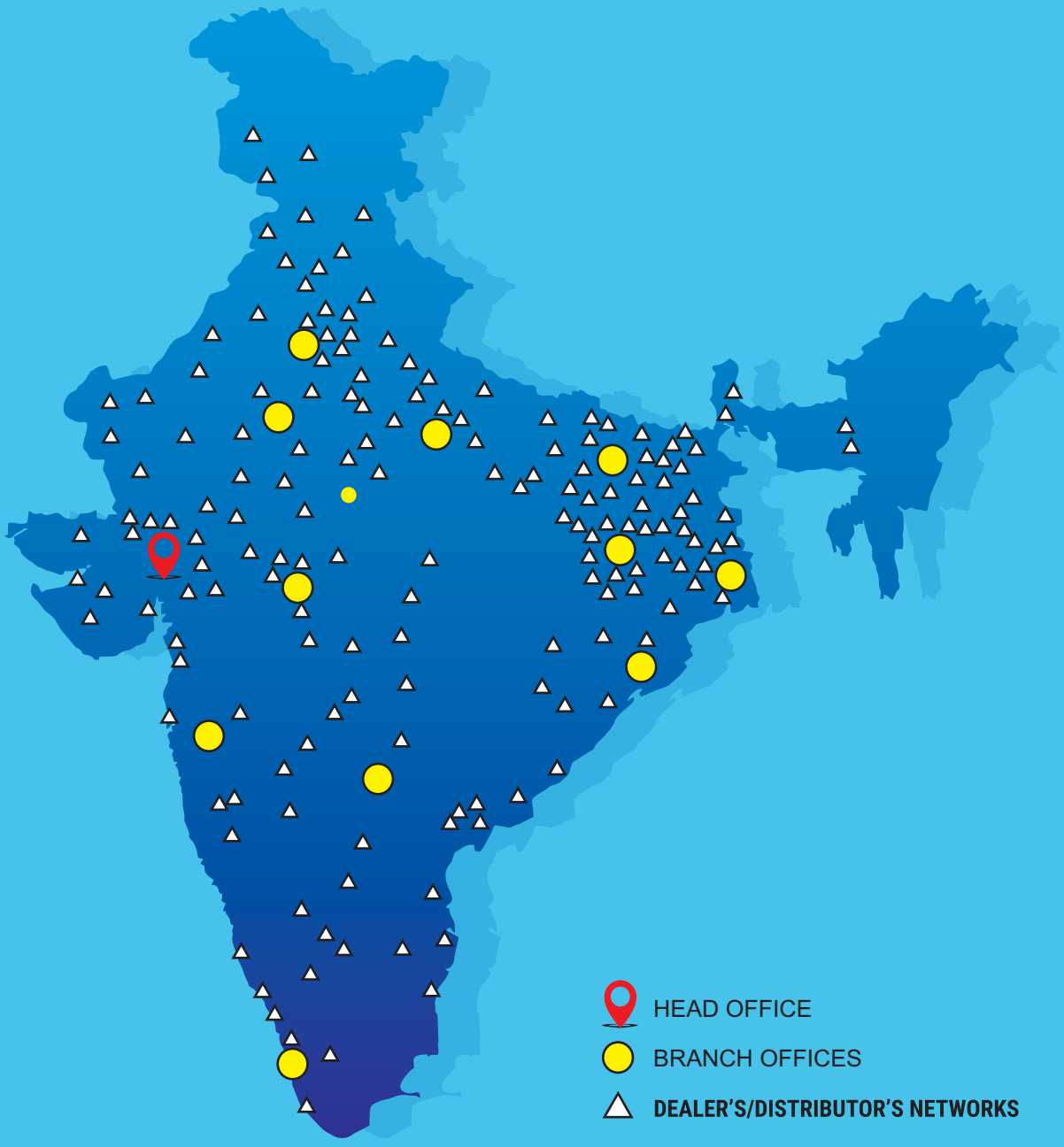
OUR PRODUCT RANGE

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

V3 SINGLE PHASE 80MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSETS (RADIAL FLOW TYPE) SUITABLE FOR 80MM BORE WELL OR ABOVE

DESCRIPTION

We manufactured Submersible Pumpsets as per IS: 8034 Standard which can be used in the field of advanced technology.

All parts are manufactured and fitted precisely using CNC machine that imparts excellent mechanical strength and reliability. The electrical design of Latteys Motors has been done with enamelled/ polyester Coated winding to improve efficiency and reduce electrical consumption.

3" OIL/WATER FILLED SUBMERSIBLE PUMPSETS

Salient Features

- Motor fitted with anti-friction pre-lubricated angular contact bearings suitable for axial/radial load and longer life of motor.
- The motor is filled with food grade insulating oil which lubricates the bearings and improves thermal conductivity to reduce chance of burning.
- Motor is available in CSR/CSCR.
- Dynamically Balancing Rotating part to ensure minimum noise and vibration-free operation.
- Electrical design that lowers power consumption.
- Pumps available with non-return valve to reduce the backpressure of water when they are switched-off.
- Impeller and Bowl are accurately machined by CNC machine to ensure high dimension accuracy.
- Superior designed Noryl impellers and diffusers give higher hydraulic performance and greater efficiency and provide higher resistance against wear and tear through sand and other impurities.
- Stainless steel strainer prevents particles over a certain size from entering the pump.

Application

Sprinkler & drip irrigation | Civil & Industries | Fire fighting system | Agriculture | Gardening | Hospitality

MATERIAL OF CONSTRUCTION

Motor Body	:	Stainless Steel
Stator	:	Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings.
Rotor	:	Coated with polyurethane paint for corrosion resistance and dynamically balanced for vibration free smooth operations.
Windings	:	PVC/ Polyester insulated or Enamelled insulated copper.
Bearings	:	Heavy duty angular contact bearing/Ball bearing with high load bearing capacity.
Thrust Bearings	:	Special Self-alignmening 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 quality abrasion resistant Noryl & dynamically balanced.
Bowl	:	High Grade Noryl
Wear Rings	:	High quality resistance P.U./Rubber.
Shaft	:	Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Suction Casing	:	Provided with perforated Stainless Steel Stainer and adequately size to allow the water to be sucked-in with minimum friction.
Cable Sealing	:	Designed so that no Borwell water with sand can enter the motor.

V3 SINGLE PHASE 80MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSETS (RADIAL FLOW TYPE) SUITABLE FOR 80MM BOREWELL OR ABOVE

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200~240 VOLTS, 1PHASE 50 HZ, A.C. SUPPLY MAXIMUM MOTOR OD: 72MM & PUMP OD: 72MM

LOS320/LWS320				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	50	55	60	65	70	80
0.55	0.75	10		40	36	30	20	18	15	8
0.75	1.00	12		48	42	34	24	22	17	10
1.10	1.50	15		60	48	42	30	26	21	14
1.50	2.00	18		72	60	48	36	32	25	17

LOS325/LWS325				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	35	45	55	60	65	70
0.55	0.75	12		48	42	34	24	22	17	10
0.75	1.00	15		60	48	42	30	26	21	14
0.94	1.25	18		72	60	48	36	32	25	17
1.10	1.50	20		80	70	55	40	36	30	22

Performance may vary depending on Voltage, Frequency and Field Condition

V3 SINGLE PHASE 80MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR 80MM BORE WELL OR ABOVE

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1PHASE 50 HZ, A.C. SUPPLY MAXIMUM MOTOR OD: 75MM & PUMP OD: 76MM

LOV330/LWV330				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	30	38	45	50	55	60
0.37	0.50	10		50	24	22	20	15	10	5
0.55	0.75	15		75	36	33	30	23	15	8
0.75	1.00	20		100	48	44	40	30	20	10
0.94	1.25	25		125	60	55	50	37	25	14
1.10	1.50	30		150	72	66	60	46	30	16
1.50	2.00	36		175	95	85	70	65	55	20

LOV350/LWV350				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	35	45	55	60	65	70
0.37	0.50	6		30	16	14	12	10	8	5
0.75	1.00	10		50	27	24	20	17	13	8
0.75	1.00	12		60	34	30	26	22	14	9
0.75	1.00	15		75	38	35	30	25	16	10
1.10	1.50	20		100	54	48	40	34	26	16
1.50	2.00	30		150	110	95	60	50	40	30

Performance may vary depending on Voltage, Frequency and Field Condition

LOV375/LWV375				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	42	52	60	65	70	75
0.55	0.75	10		50	35	25	20	18	15	8
0.75	1.00	12		60	40	32	24	22	17	12
0.94	1.25	15		75	50	40	30	26	22	15
1.10	1.50	18		90	60	48	36	30	27	18
1.50	2.00	25		125	95	80	70	60	50	40

LOV330H/LWV330H				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	35	45	55	65	70	80
0.37	0.50	8		40	35	25	20	18	15	8
0.55	0.75	10		48	40	32	24	22	17	12
0.75	1.00	12		60	50	40	30	26	22	15
1.10	1.50	15		72	60	48	36	30	27	18
1.50	2.00	20		100	85	70	60	50	40	25

Performance may vary depending on Voltage, Frequency and Field Condition

V4 SINGLE/THREE PHASE OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSETS (RADIAL/MIXED FLOW TYPE) SUITABLE FOR 100MM BORE WELL OR ABOVE

DESCRIPTION

We manufactured Submersible Pumpsets as per IS: 8034 Standard which can be used in the field of advanced technology.

All parts are manufactured and fitted precisely using CNC machine that imparts excellent mechanical strength and reliability. The electrical design of Latteys Motors has been done with enamelled/ polyester Coated winding to improve efficiency and reduce electrical consumption.

4" OIL/WATER FILLED SUBMERSIBLE PUMPSETS

Salient Features

- Motor fitted with anti-friction pre-lubricated angular contact bearings suitable for axial/radial load and longer life of motor
- The motor is filled with food grade insulating oil which lubricates the bearings and improves thermal conductivity to reduce chance of burning.
- Motor are design to operate under large voltage fluctuations and available in CSR/CSCR.
- Dynamically Balancing Rotating part to ensure minimum noise and vibration-free operation.
- High operating efficiency of pumpset result into High water discharge plate and lower power consumption.
- Pumps available with non-return valve to reduce the backpressure of water when they are switched-off.
- Impeller and Bowl are accurately machined by CNC machine to ensure high dimension accuracy.
- Superior designed Noryl impellers and diffusers give higher hydraulic performance and greater efficiency and provide higher resistance against wear and tear through sand and other impurities.
- Stainless steel strainer prevents particles over a certain size from entering the pump.

Application

Sprinkler & drip irrigation | Civil & Industries | Fire fighting system | Agriculture | Gardening | Hospitality

MATERIAL OF CONSTRUCTION

Motor Body	:	Stainless Steel
Stator	:	Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings.
Rotor	:	Coated with polyurethane paint for corrosion resistance and dynamically balanced for vibration free smooth operations.
Windings	:	PVC/ Polyester insulated or Enamelled insulated copper.
Bearings	:	Heavy duty angular contact bearing/Ball bearing with high load bearing capacity.
Thrust Bearings	:	Special Self-alignmening 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 quality abrasion resistant Noryl/SS Impeller & dynamically balanced.
Bowl	:	High Grade Noryl/Cast Iron.
Wear Rings	:	High quality resistance P.U. /Rubber.
Shaft	:	Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Suction Casing	:	Provided with perforated Stainless Steel Stainer and adequately size to allow the water to be sucked-in with minimum friction.
Cable Sealing	:	Designed so that no Borwell water with sand can enter the motor.

V4 SLIM SINGLE PHASE 88MM WATER FILLED SUBMERSIBLE PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR 88MM BOREWELL OR ABOVE

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

LWS430				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	35	45	50	55	65	70
0.37	0.50	10		50	24	22	20	15	10	5
0.55	0.75	15		75	36	33	30	23	15	8
0.75	1.00	20		100	48	44	40	30	20	10
0.94	1.25	25		120	60	55	50	37	25	14
1.10	1.50	30		150	70	66	60	46	30	16
1.50	2.00	36		180	100	80	70	60	50	30

LWS450				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	45	60	70	80	90	95
0.37	0.50	8		30	25	22	15	12	10	7
0.55	0.75	10		50	40	35	25	20	17	12
0.75	1.00	12		75	65	52	38	30	22	16
0.94	1.25	15		100	80	65	50	35	28	20

Performance may vary depending on Voltage, Frequency and Field Condition

V4 SINGLE & THREE PHASE 100MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR MIN. 100MM BOREWELL OR ABOVE; MAX OD 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-230 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

LO00A/LW00A				Outlet Size: 32mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	10	15	20	30	40
0.37	0.50	10		60	56	48	40	32	25
0.55	0.75	15		90	75	67	60	52	40
0.75	1.00	18		108	100	86	72	64	52
0.75	1.00	20		120	108	94	80	68	56
1.1	1.50	30		180	165	155	120	100	80

LO000/LW000				Outlet Size: 32mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	30	40	45	50	60
0.37	0.50	8		50	39	35	32	25	22
0.55	0.75	10		62	49	44	40	35	25
0.55	0.75	12		75	59	53	48	42	30
0.75	1.00	14		88	69	61	56	49	35
0.75	1.00	15		90	75	65	60	51	35
0.75	1.00	16		95	80	70	64	53	40
0.75	1.00	18		107	84	74	67	58	43
1.1	1.50	18		112	89	79	72	63	45
1.1	1.50	20		125	99	90	80	72	50
1.5	2.00	25		156	124	110	110	88	62
1.5	2.00	30		187	142	127	120	104	80
2.2	3.00	35		225	157	143	140	117	95
2.2	3.00	40		250	182	168	160	142	120

Performance may vary depending on Voltage, Frequency and Field Condition

V4 SINGLE & THREE PHASE 100MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR MIN. 100MM BOREWELL OR ABOVE; MAX OD 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-230 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

LO001/LW001				Outlet Size: 32mm/38mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	55	65	75	85	95
0.37	0.50	6		38	31	29	24	19	15
0.55	0.75	7		44	35	34	28	23	17
0.75	1.00	8		50	40	39	32	26	19
0.75	1.00	10		62	50	48	40	32	24
0.75	1.00	12		75	60	57	48	37	29
1.1	1.50	15		94	75	71	60	48	36
1.5	2.00	18		112	90	86	72	58	43
1.5	2.00	20		125	95	90	80	61	46
2.2	3.00	25		156	118	110	100	80	60
2.2	3.00	28		170	155	130	112	90	70

LO002/LW002				Outlet Size: 32mm/38mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	90	105	115	125	135
0.37	0.50	4		25	21	18	16	12	10
0.55	0.75	7		38	31	27	24	18	15
0.75	1.00	8		50	42	36	32	24	20
1.1	1.50	12		72	62	54	48	40	30
1.5	2.00	12		76	66	58	52	45	36
1.5	2.00	15		90	80	70	60	50	40
2.2	3.00	18		110	90	80	72	60	42
2.2	3.00	20		125	105	890	80	60	50
3	4.00	25		156	131	113	100	75	62
3.7	5.00	30		187	157	135	120	90	75

Performance may vary depending on Voltage, Frequency and Field Condition

LO003/LW003				Outlet Size: 32mm/38mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	120	135	145	155	170
0.75	1.0	5		31	26	23	20	15	12
1.1	1.5	7		44	37	32	28	21	18
1.1	1.5	8		50	42	36	32	24	20
1.5	2.0	8		54	47	40	37	27	23
1.5	2.0	10		62	53	45	40	30	25
2.2	3.0	12		75	63	54	48	36	30
2.2	3.0	15		94	79	68	60	45	38
3	4.0	18		113	95	81	72	54	45
3.7	5.0	25		156	131	113	100	75	63
5.5	7.5	35		219	184	158	140	105	88

Performance may vary depending on Voltage, Frequency and Field Condition

V4 SINGLE & THREE PHASE 100MM OIL FILLED & WATER FILLED SUBMERSIBLE HIGH HEAD PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR MIN. 100MM BOREWELL OR ABOVE; MAX OD 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS,50 HZ, A.C. SUPPLY

LORHA1/LWRHA1				Outlet Size: 32mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	22	27	30	40	50
0.37	0.50	8		60	55	51	43	35	28
0.55	0.75	10		75	70	65	55	45	35
0.75	1.00	12		90	80	75	63	52	39
1.1	1.50	16		120	110	102	85	70	55
1.1	1.50	20		150	150	140	105	90	75
1.5	2.00	25		187	180	160	135	120	105
1.5	2.00	30		220	215	195	155	135	120
2.2	3.00	28		210	190	175	148	120	112
2.2	3.00	30		225	220	200	160	144	128
3.7	5.00	40		305	300	280	240	210	190

LORHA2/LWRHA2				Outlet Size: 32mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	38	45	50	60	70
0.37	0.50	6		47	40	37	31	25	20
0.55	0.75	7		54	48	43	37	30	25
0.75	1.00	8		62	54	50	42	34	28
0.75	1.00	10		77	68	63	52	42	33
1.1	1.50	15		117	103	95	80	65	50
1.5	2.00	20		155	140	130	110	90	70
2.2	3.00	25		193	173	160	135	110	85
3.7	5.00	30		232	220	200	160	144	128
5	7.50	40		310	300	280	240	210	190

Performance may vary depending on Voltage, Frequency and Field Condition

LORHA3/LWRHA3				Outlet Size: 38mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	55	60	70	80	90
0.37	0.50	5		40	33	30	25	20	17
0.55	0.75	6		48	40	37	31	25	20
0.75	1.00	7		56	48	43	37	30	25
0.75	1.00	8		64	54	50	42	34	28
0.75	1.00	10		75	65	60	55	40	30
1.1	1.50	12		96	80	75	63	52	39
1.5	2.00	15		120	103	95	80	65	50
2.2	3.00	20		160	140	130	110	90	70
3.7	5.00	25		200	173	160	135	110	85
5.5	7.50	30		240	220	200	160	144	128

Performance may vary depending on Voltage, Frequency and Field Condition

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CELEBRATING 15 YEARS 2004 2019

Miles to go...

Create Energy by Saving Energy

V4 SINGLE & THREE PHASE 100MM OIL FILLED & WATER FILLED SUBMERSIBLE HIGH HEAD PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR MIN. 100MM BOREWELL OR ABOVE; MAX OD 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 Hz, A.C. SUPPLY

LORHA5/LWRHA5				Outlet Size: 38mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	60	70	80	90	95
0.55	0.75	4		32	27	23	21	17	12
0.75	1.00	5		41	32	28	26	22	18
1.1	1.50	7		56	48	43	37	30	25
1.5	2.00	10		81	70	65	55	45	35
1.5	2.00	12		97	80	75	63	52	39
2.2	3.00	15		122	103	95	80	65	50
3.7	5.00	20		162	140	130	110	90	70
3.7	5.00	22		178	165	140	125	95	80

Performance may vary depending on Voltage, Frequency and Field Condition

LORHA7/LWRHA7				Outlet Size: 38mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	70	80	90	100	110
0.75	1.0	4		33	27	23	21	17	12
1.1	1.5	6		50	40	37	31	25	20
1.5	2.0	8		65	54	50	42	34	28
2.2	3.0	12		98	80	75	63	52	39
3.7	5.0	15		124	103	95	80	65	50
5.5	7.5	20		164	140	130	110	90	70

Performance may vary depending on Voltage, Frequency and Field Condition

V4 SINGLE & THREE PHASE 100MM OIL FILLED & WATER FILLED SUBMERSIBLE HIGH HEAD PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR MIN. 100MM BOREWELL OR ABOVE; MAX OD 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

LORHA1B/LWRHA1B				Outlet Size: 32mm (Radial Flow)				
MOTOR RATING				Discharge (LPM)				
kW	HP	Stage	Head(M)	0	6	13	17	23
0.37	0.50	12		80	75	66	55	40
0.55	0.75	18		120	113	100	82	58
0.75	1.00	24		160	150	133	108	78
1.1	1.50	35		233	219	193	160	115
1.5	2.00	49		326	307	270	223	160

LORHA2B/LWRHA2B				Outlet Size: 32mm (Radial Flow)							
MOTOR RATING				Discharge (LPM)							
kW	HP	Stage	Head(M)	0	25	35	38	42	46	55	65
0.55	0.75	8		56	48	44	40	37	32	18	14
0.75	1.00	14		98	85	78	71	65	55	34	24
1.1	1.50	18		125	110	101	93	82	71	42	31
1.5	2.00	21		146	129	117	107	96	83	51	38
2.2	3.00	27		188	166	151	139	124	108	64	47
2.2	3.00	32		223	197	179	164	146	128	76	57
3.7	5.00	42		293	257	235	215	193	168	101	74
4.5	6.00	48		335	295	269	247	221	192	155	87
5.5	7.50	60		415	370	338	310	278	240	145	108

Performance may vary depending on Voltage, Frequency and Field Condition

LORHA3B/LWRHA3B				Outlet Size: 32mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head (M)	0	30	40	50	60	80	90
0.75	1.0	9		62	55	51	48	42	30	20
1.5	2.0	14		96	85	81	74	67	46	33
1.5	2.0	16		110	96	93	83	77	54	38
2.2	3.0	19		130	115	110	100	90	62	44
3.0	4.0	27		182	162	155	145	130	90	62
3.0	4.0	34		230	204	196	179	162	111	78
3.7	5.0	36		245	216	207	189	171	117	81
3.7	5.0	40		270	240	230	210	190	130	90
4.5	6.0	45		305	270	260	240	215	145	102
4.5	6.0	50		340	300	290	265	240	165	115

LWRHA5B				Outlet Size: 50mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	55	65	85	95	115	135
3.0	4.00	29		180	150	145	130	122	100	68
3.7	5.00	38		235	200	190	170	160	135	90
5.5	7.50	52		320	270	260	230	215	178	120

LWRHA7B				Outlet Size: 50mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	60	80	100	120	140	160
3.0	4.00	16		108	98	92	88	82	74	64
4.0	6.00	28		185	170	163	155	145	130	113
5.5	7.50	32		210	192	185	175	164	144	128

Performance may vary depending on Voltage, Frequency and Field Condition

V4 SINGLE & THREE PHASE 100MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSET (MIX FLOW TYPE) SUITABLE FOR MIN. 100MM BOREWELL OR ABOVE; MAX OD 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

LO0012/LW0012				Outlet Size:50mm (Mixed Flow)/ On Request 65mm					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	120	160	180	220	250
1.1	1.5	7		44	37	32	28	21	10
1.5	2.0	8		50	42	36	32	24	12
1.5	2.0	10		62	53	45	40	30	15
2.2	3.0	12		75	63	54	48	36	18
3	4.0	14		88	74	63	56	42	21
3.7	5.0	15		100	84	72	60	48	24
3.7	5.0	18		108	94	82	72	55	27

LO004/LW004				Outlet Size :-50mm (Mixed Flow)/ On Request 65mm with CI Bowl and Noryl Impeller					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	240	280	320	360	400
1.1	1.5	4		22	14	12	10	8	6
1.5	2.0	6		33	21	18	15	12	9
1.5	2.0	7		39	25	21	18	14	11
2.2	3.0	8		44	28	24	20	16	12
2.2	3.0	9		50	32	27	23	18	14
3.7	5.0	10		55	35	30	28	20	15
3.7	5.0	12		66	42	36	30	24	18
5.5	7.5	16		88	56	48	40	32	24

LO005/LW005				Outlet Size: 65mm (Mixed Flow) with Noryl Impeller							
MOTOR RATING				Discharge (LPM)							
kW	HP	Stage	Head(M)	0	200	250	310	360	415	475	580
1.5	2.0	5		30	24	21	19	17	15	13	9
1.5	2.0	6		36	28	26	23	21	18	15	10
2.2	3.0	6		36	28	26	23	21	18	15	10
2.2	3.0	7		42	33	30	27	24	21	18	12
3.7	5.0	10		60	47	43	39	34	30	26	17
5.5	7.5	14		84	66	60	54	48	42	36	24

LO021/LW021				"Outlet Size : 65mm (Mixed Flow) with SS Bowl, Noryl Impeller / On Request with SS Impeller"							
MOTOR RATING				Discharge (LPM)							
kW	HP	Stage	Head(M)	0	225	275	340	380	425	490	590
1.5	2.0	5		30	24	21	19	17	15	13	9
1.5	2.0	6		36	28	26	23	21	18	15	10
2.2	3.0	6		36	28	26	23	21	18	15	10
2.2	3.0	7		42	33	30	27	24	21	18	12
3.7	5.0	10		60	47	43	39	34	30	26	17
5.5	7.5	14		84	66	60	54	48	42	36	24

Performance may vary depending on Voltage, Frequency and Field Condition

LATTEYS
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Create Energy by Saving Energy
QUALITY 1st PRIORITY

Watering India to Flow

V4
5 STAR MODELS

BORE SIZE:
MIN. 100MM
MAX OD:
97MM

5 Star Rating Pump
MORE STAR MORE SAVING
ENERGY SAVING GUIDE

ENERGY EFFICIENT PUMPSETS:

V4 SINGLE PHASE OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSETS SUITABLE FOR 100MMBORE WELL OR ABOVE

DESCRIPTION

We manufactured Submersible Pumpsets as per IS: 8034 Standard which can be used in the field of advanced technology.

All parts are manufactured and fitted precisely using CNC machine that imparts excellent mechanical strength and reliability. The electrical design of Latteys Motors has been done with enamelled/ polyester Coated winding to improve efficiency and reduce electrical consumption.

4" OIL/WATER FILLED SUBMERSIBLE PUMPSETS

Salient Features

- Motor fitted with anti-friction pre-lubricated angular contact bearings suitable for axial/radial load and longer life of motor
- The motor is filled with food grade insulating oil which lubricates the bearings and improves thermal conductivity to reduce chance of burning.
- Motor are design to operate under large voltage fluctuations and available in CSR/CSCR.
- Dynamically Balancing Rotating part to ensure minimum noise and vibration-free operation.
- High operating efficiency of pumpset result into High water discharge plate and lower power consumption.
- Pumps available with non-return valve to reduce the backpressure of water when they are switched-off.
- Impeller and Bowl are accurately machined by CNC machine to ensure high dimension accuracy.
- Superior designed Noryl impellers and diffusers give higher hydraulic performance and greater efficiency and provide higher resistance against wear and tear through sand and other impurities.
- Stainless steel strainer prevents particles over a certain size from entering the pump.

Application

Sprinkler & drip irrigation | Civil & Industries | Fire fighting system | Agriculture | Gardening | Hospitality

MATERIAL OF CONSTRUCTION

Motor Body	:	Stainless Steel
Stator	:	Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings.
Rotor	:	Coated with polyurethane paint for corrosion resistance and dynamically balanced for vibration free smooth operations.
Windings	:	PVC/ Polyester insulated or Enamelled insulated copper.
Bearings	:	Heavy duty angular contact bearing/Ball bearing with high load bearing capacity.
Thrust Bearings	:	Special Self-alignmening 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 quality abrasion resistant Noryl/SS Impeller & dynamically balanced.
Bowl	:	High Grade Noryl/Cast Iron.
Wear Rings	:	High quality resistance P.U. /Rubber.
Shaft	:	Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Suction Casing	:	Provided with perforated Stainless Steel Stainer and adequately size to allow the water to be sucked-in with minimum friction.
Cable Sealing	:	Designed so that no Borwell water with sand can enter the motor.

V4 5 STAR MODELS PERFORMANCE CHART
MIN. 100MM BORE SIZE OR ABOVE; MAX OD 97MM

AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

V4 - 5 STAR MODELS				Outlet:32mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head(M)	0	25	30	36	45	55	70
LW-H67/10	0.37/0.5	10		70	55	50	**45**	35	25	0
LW-F100/15	0.75/1.0	15		105	82.5	75	**67.5**	52.5	37.5	0
LW-FH167/25	1.1/1.5	25		175	137.5	125	**112.5**	87.5	62.5	0
LW-FH133/20	1.1/1.5	20		140	110	100	**90**	70	50	0
LW-TW197/30	1.5/2.0	30		210	165	150	**135**	105	75	0
LW-TR242/40	2.2/3.0	40		280	220	200	**180**	140	100	0

V4 - 5 STAR MODELS				Outlet:32mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	35	40	45	55	65	70
LW-F67/10	0.75/1.0	10		70	55	50	**45**	28	10	0

V4 - 5 STAR MODELS				Outlet:32mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	25	35	55	65	75	95
LW-TW129/19	1.5/2.0	19		138	114	105	**95**	85	67	47
LW-TR227/30	2.2/3.0	30		220	180	165	**150**	135	105	75

V4 - 5 STAR MODELS				Outlet:40mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	55	65	70	80	95	125
LW-F72/12	0.75/1.0	12		60	55.2	51.6	**48**	42	30	0
LW-FH91/15	1.1/1.5	15		75	69	64.5	**60**	52.5	37.5	0
LW-TW121/20	1.5/2.0	20		100	92	86	**80**	70	50	0

V4 - 5 STAR MODELS				Outlet:40mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	65	85	100	115	135	190
LW-F48/8	0.75/1.0	8		52	44	40	**36**	32	28	0
LW-FH73/12	1.1/1.5	12		78	66	60	**54**	48	42	0
LW-TW91/15	1.5/2.0	15		97.5	82.5	75	**67.5**	60	52.5	0
LW-TR121/20	2.2/3.0	20		130	110	100	**90**	80	70	0

V4 - 5 STAR MODELS				Outlet:50mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	90	110	125	140	165	210
LW-TW55/10	1.5/2.0	10		65	55	50	**45**	40	30	0
LW-TR91/15	2.2/3.0	15		97.5	82.5	75	**67.5**	60	45	0

V4 5 STAR MODELS PERFORMANCE CHART MIN. 100MM BORE SIZE OR ABOVE; MAX OD 97MM

AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 Hz A.C. SUPPLY

V4 - 5 STAR MODELS				Outlet:50mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	60	190	288	340	380	440
LW-TW27/6	1.5/2.0	6		34.2	30	24	20	15	12	0
LW-TR41/9	2.2/3.0	9		51.3	45	36	30	22.5	18	0

V4 - 5 STAR MODELS				Outlet:32mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head(M)	0	60	190	288	340	380	440
LO-F83/19	0.75/1.0	19		133	105	95	86	67	48	0

Performance may vary depending on Voltage, Frequency and Field Condition

V4 - 5 STAR MODELS				Outlet:32mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	35	40	45	55	65	85
LO-FH121/18	1.1/1.5	18		126	99	90	80	63	45	0
LO-TW151/25	1.5/2.0	25		175	137.5	125	110	87.5	62.5	0
LO-FH98/21	1.1/1.5	21		147	115.5	105	90	73.5	52.5	0
LO-H48/8	0.37/0.5	08		56	44	40	35	28	20	0

V4 - 5 STAR MODELS				Outlet:32mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head (M)	0	55	65	70	80	95	125
LO-F24/12	0.75/1.0	12		60	55.2	51.6	48	42	30	0
LO-F45/10	0.75/1.0	10		50	46	43	40	35	25	0
LO-F37/8	0.75/1.0	8		40	36.8	34.4	32	28	20	0
LO-F33/10	0.75/1.0	10		50	46	43	40	35	25	0
LO-FH91/15	1.1/1.5	15		75	69	64.5	60	52.5	37.5	0
LO-TW121/20	1.5/2	20		100	92	86	80	70	50	0

V4 - 5 STAR MODELS				Outlet:40mm Mim. bore size: 100 mm						
MODEL	MOTOR RATING			Discharge (LPM)						
Name	kW/HP	Stage	Head(M)	0	65	85	100	115	135	190
LO-FH55/10	1.1/1.5	10		65	55	50	45	40	35	0

Performance may vary depending on Voltage, Frequency and Field Condition

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V4/V5 SINGLE & THREE PHASE 127MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSET (MIX FLOW TYPE) SUITABLE FOR MIN. 127MM BOREWELL OR ABOVE; MAX OD 120MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE, 50 HZ, A.C. SUPPLY

LW4/5/80MF				Outlet Size:-50mm (Mixed Flow)/ 65mm with CI Bowl					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	325	375	450	525	575
2.2	3.0	4		40	38	35	28	25	20
3.0	4.0	5		50	47	42	35	30	24
3.7	5.0	6		60	57	48	40	33	28
5.5	7.5	7		70	65	56	48	36	32

LW4/5/100MF				Outlet Size :-50mm (Mixed Flow)/ 65mm with CI Bowl					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	325	375	450	525	575
2.2	3.0	3		30	28	26	24	20	16
3.0	4.0	4		40	38	35	28	25	20
3.7	5.0	5		50	47	42	35	30	24
5.5	7.5	6		60	27	48	40	33	28

Performance may vary depending on Voltage, Frequency and Field Condition

V4/V6 SINGLE & THREE PHASE 150MM OIL FILLED & WATER FILLED SUBMERSIBLE PUMPSET (RADIAL FLOW TYPE) SUITABLE FOR MIN. 150MM BOREWELL OR ABOVE; MAX OD 142MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS, 1-PHASE/380~415 VOLTS, 3-PHASE 50 HZ, A.C. SUPPLY

LO46/30RF / LW46/30RF				Outlet Size :-50mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	50	80	100	120	130	150
2.2	3	10		89	87	77	70	52	42	30
3.0	4	12		107	105	92	84	61	50	37
3.7	5	17		152	150	130	118	88	71	52
5.0	7.5	25		225	220	192	174	130	110	78

LO46/40RF / LW46/40RF				Outlet Size :-50mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	65	120	140	150	165	175
2.2	3	08		78	73	68	62	56	50	35
3.0	4	10		97	93	85	80	74	65	42
3.7	5	13		120	108	96	88	78	71	45
5.0	7.5	20		198	190	175	162	152	134	67

LO46/50RF / LW46/50RF				Outlet Size :-50mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	110	150	200	240	280	315
1.1	1.5	3		32	28	25	23	16	13	8
1.5	2	4		42	38	33	30	22	17	11
2.2	3	6		63	56	51	45	32	25	16
3.0	4	8		84	75	66	60	43	34	22
3.7	5	10		105	94	85	75	54	42	27
3.7	5	12		126	112	104	90	64	50	33

Performance may vary depending on Voltage, Frequency and Field Condition

LO46/60RF / LW/60RF				Outlet Size :-50mm (Radial Flow)						
MOTOR RATING				Discharge (LPM)						
kW	HP	Stage	Head(M)	0	100	140	160	190	220	260
2.2	3.0	4		44	41	39	37	34	32	28
2.2	3.0	5		54	52	49	46	42	40	35
3.0	4.0	6		65	60	59	56	53	49	42
3.7	5.0	8		87	83	80	75	71	67	57

LO46/70RF / LW/70RF				Outlet Size :-50mm (Radial Flow)							
MOTOR RATING				Discharge (LPM)							
kW	HP	Stage	Head(M)	0	195	225	255	290	325	365	395
2.2	3.0	4		45	41	40	38	35	31	28	22
3.0	4.0	5		56	50	48	44	40	35	30	24
3.7	5.0	7		79	68	66	64	61	56	48	36

LO46/100RF / LW/100RF				Outlet Size: 50mm (Radial Flow)					
MOTOR RATING				Discharge (LPM)					
kW	HP	Stage	Head(M)	0	180	270	325	360	415
2.2	3.0	3		21	18	15	12	10	5
3.0	4.0	4		42	36	30	24	18	10
4.0	5.0	5		56	50	44	40	35	30

Performance may vary depending on Voltage, Frequency and Field Condition

SUBMERSIBLE PUMPSET CABLE SELECTION CHART

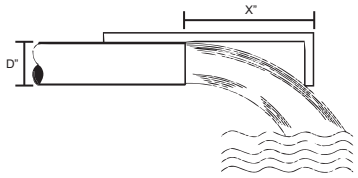
HP	CABLE LENGTH IN METERS																			
	10	20	30	40	50	60	70	80	90	100	120	140	180	200	250	300	350	400	450	500
	Cable Size in Sq.mm																			
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	2.50	2.50	2.50	4.00	4.00
2.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	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

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