



LATTEYS[®]
Non Stop Watering

PERFORMANCE BOOKLET



STAINLESS STEEL SUBMERSIBLE PUMP SETS



AGRICULTURE



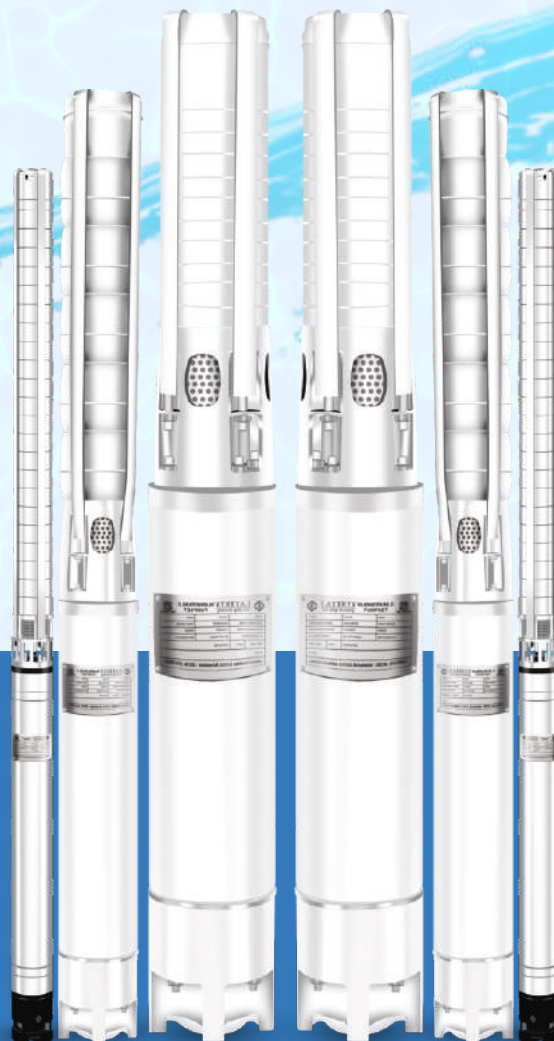
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LATTEYS INDUSTRIES LIMITED

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V4 SINGLE PHASE WATER FILLED & OIL 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-alignmning 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 SINGLE & THREE PHASE 100MM WATER AND OIL FILLED STAINLESS STEEL FABRICATED SUBMERSIBLE PUMPSET SUITABLE FOR MIN.100MM BOREWELL OR ABOVE; MAX. OD: 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200~300 VOLTS, 1-PHASE/80~415VOLTS, 3 PHASE, 50 HZ, A.C. SUPPLY

ITEM CODE	ITEM CODE	LPOSX402/LPWSX402			Outlet Size :-32mm (Radial Flow)							50Hz		
SINGLE PHASE	THREE PHASE	MOTOR RATING			Discharge(LPM)							Price		
32MM	32MM	Kw	HP	Stage	Head(M)	0	20	25	30	35	40	50	SP	TP
		0.37	0.50	6		36	32	29	26	23	16	11		
		0.37	0.50	9		53	48	44	38	34	24	17		
		0.55	0.75	13		77	69	64	55	49	35	24		
		0.75	1.00	18		107	95	88	77	68	48	34		
		1.10	1.50	23		136	122	112	98	87	62	43		
		1.50	2.00	28		166	148	137	119	106	75	52		
		1.50	2.00	33		195	175	161	140	125	89	62		
		2.20	3.00	40		240	213	193	173	153	107	73		
		2.20	3.00	48		288	256	232	208	184	128	88		
		3.00	4.00	55		330	293	266	238	211	147	101		

ITEM CODE	ITEM CODE	LPOSX403/LPWSX403			Outlet Size :-32mm (Radial Flow)							50Hz		
SINGLE PHASE	THREE PHASE	MOTOR RATING			Discharge(LPM)							Price		
32MM	32MM	Kw	HP	Stage	Head(M)	0	25	30	40	50	70	75	SP	TP
		0.37	0.50	6		38	34	33	31	27	18	15		
		0.55	0.75	9		57	51	50	46	41	27	23		
		0.75	1.00	10		65	58	53	48	40	30	20		
		0.75	1.00	12		76	68	66	61	54	36	31		
		1.10	1.50	15		95	85	83	77	68	44	39		
		1.10	1.50	18		113	102	99	92	82	53	46		
		1.10	2.00	20		120	110	106	98	90	70	50		
		1.50	2.00	22		139	125	121	112	100	65	57		
		1.50	2.00	25		158	142	138	128	114	74	64		
		2.20	3.00	29		183	164	160	148	132	86	75		
		2.20	3.00	33		208	187	182	169	150	98	85		
		3.00	4.00	39	247	221	215	198	176	117	101			
		3.00	4.00	45	285	255	248	229	203	132	116			
		3.70	5.50	52	329	295	286	264	234	156	134			
		3.70	5.50	60	380	340	330	305	220	180	155			

ITEM CODE	ITEM CODE	LPOSX405/LPWSX405			Outlet Size :-38mm (Radial Flow)							50Hz		
SINGLE PHASE	THREE PHASE	MOTOR RATING			Discharge(LPM)							Price		
38MM	38MM	Kw	HP	Stage	Head(M)	0	31	48	68	85	100	112	SP	TP
		0.37	0.50	4		26	23	21	19	16	12	8		
		0.55	0.75	6		39	35	32	29	24	18	12		
		0.75	1.00	8		52	46	42	38	32	24	16		
		1.10	1.50	12		78	69	66	57	48	36	24		
		1.50	2.00	17		111	98	89	81	68	51	34		
		2.20	3.00	20		131	115	104	94	78	57	36		
		2.20	3.00	21		137	121	110	100	84	63	42		
		2.20	3.00	25		163	144	131	119	100	76	50		
		3.00	4.00	33		215	190	173	157	132	100	66		
		3.70	5.50	38		248	219	200	181	152	115	76		
		3.70	5.50	44		287	253	231	209	176	133	88		
		5.50	7.50	52	338	302	276	250	208	156	104			
		5.00	7.50	60	390	348	318	288	240	180	120			



V4 SINGLE & THREE PHASE 100MM WATER AND OIL FILLED STAINLESS STEEL FABRICATED SUBMERSIBLE PUMPSET SUITABLE FOR MIN.100MM BOREWELL OR ABOVE; MAX. OD: 97MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200~300 VOLTS, 1-PHASE/80~415VOLTS, 3 PHASE, 50 HZ, A.C. SUPPLY

ITEM CODE	ITEM CODE	LPOSX408/LPWSX408			Outlet Size :-50mm (Radial Flow)							50Hz		
SINGLE PHASE	THREE PHASE	MOTOR RATING			Discharge(LPM)							Price		
50MM	50MM	Kw	HP	Stage	Head(M)	0	34	68	100	135	168	184	SP	TP
		0.75	1.00	5		30	28	25	23	21	16	12		
		1.10	1.50	7		42	39	35	32	29	22	17		
		1.50	2.00	10		60	55	50	46	41	31	24		
		2.20	3.00	12		72	66	60	55	49	37	29		
		2.20	3.00	15		90	83	75	69	62	47	36		
		3.00	4.00	18		108	99	90	83	74	56	43		
		3.70	5.50	21		126	116	105	97	86	65	50		
		3.70	5.50	25		150	138	125	115	103	78	60		
		5.50	7.50	30		180	166	150	138	123	93	72		
		5.50	7.50	37		222	204	185	170	152	115	89		
		7.50	10.00	44		264	243	220	202	180	136	106		

ITEM CODE	ITEM CODE	LPOSX414/LPWSX414			Outlet Size :-50mm (Radial Flow)							50Hz		
SINGLE PHASE	THREE PHASE	MOTOR RATING			Discharge(LPM)							Price		
50MM	50MM	Kw	HP	Stage	Head(M)	0	203	232	241	258	271	340	SP	TP
		1.50	2.00	5		30	19	16	15	13	11	4		
		2.20	3.00	7		42	26	23	21	18	16	5		
		2.20	3.00	8		48	30	26	24	21	18	6		
		3.00	4.00	10		60	38	33	30	26	22	7		
		3.70	5.00	13		78	49	42	39	34	29	10		
		5.50	7.50	20		130	93	80	75	69	62	20		
		7.50	10.00	28		182	131	112	105	96	83	25		

V6 THREE PHASE SS-304 STAINLESS STEEL WATER FILLED SUBMERSIBLE PUMPSETS SUITABLE FOR 150MM 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 polyester Coated winding to improve efficiency and reduce electrical consumption.

6" WATER FILLED SUBMERSIBLE

Salient Features

- Induction motors are easily re-windable using multi layer PVC insulated wire for better reliability.
- Motor filled with water gives better cooling to winding as well as bush.
- Self-aligned carbon Stainless steel thrust bearing which withstands high axial thrust load in water lubrication.
- Electrically designed to lower power consumption and operating cost.
- Non-magnetic, corrosion-resistant high-grade stainless steel stator body.
- Water-filled motor is available in capacitor start and run design.
- Gun Metal bush is made with additional centrifugal molding process and 2% Nickel is added.
- Superior designed SS impellers and diffusers give higher hydraulic performance and greater efficiency and provide higher resistance against wear and tear from sand and other impurities.
- Dynamically balanced rotating parts to ensure minimum noise and vibration.
- Hydraulic parts are made with Investment Casting or Die-base molding process, which gives higher performance and higher efficiency.
- Individually and accurately balanced impeller gives better performance for lower power consumption.
- The pump shaft is made of stainless steel hardened and ground to close tolerance.
- Fitted with NRV & Flap to absorb thrust generated during switch off operation.

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.
Bearings	: Heavy duty angular contact bearing with high load bearing capacity.
Thrust Bearings	: Special Self-aligning and water lubricated to withstand high axial thrust load.
Breather diaphragm	: Adequately sized to accommodate expansion of water inside the motor and prevent loss cooling water .
Impeller	: SS-304 Fabricated finest Stainless Steel.
Bowl	: SS-304 Fabricated finest Stainless Steel.
Shaft	: Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Casing	: SS-304
Cable Sealing	: Designed so that no Borewell water with sand can enter the motor.

Watering India to Flow



V6 THREE PHASE 150MM WATER FILLED STAINLESS STEEL FABRICATED SUBMERSIBLE PUMPSET SUITABLE FOR MIN. 150MM BOREWELL OR ABOVE; MAX. OD: 147MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380~415 VOLTS, 3 PHASE, 50 HZ, A.C. SUPPLY

ITEM CODE	LPWRF611B			Outlet Size :-65mm (Radial Flow)					50Hz			
THREE PHASE	MOTOR RATING			Discharge(LPM)					Price			
65MM	Kw	HP	Stage	Head(M)	0	50	100	150	200	250	300	PRICE
	2.20	3.00	5		56	55	53	50	45	37	23	
	3.00	4.00	6		67	66	63	60	54	44	28	
	3.70	5.00	8		89	88	84	80	72	59	37	
	4.50	6.00	10		112	110	105	100	90	73	47	
	5.50	7.50	12		134	132	126	120	108	88	56	
	7.50	10.00	16		179	176	168	160	144	117	75	
	9.30	12.50	20		223	220	210	200	180	146	93	
	11.00	15.00	21		235	231	220	210	189	154	98	
	11.00	15.00	24		268	264	252	240	216	176	112	
	15.00	20.00	28		313	308	294	280	252	205	131	
	15.00	20.00	31		346	341	326	310	279	227	145	

ITEM CODE	LPWRF615B			Outlet Size :-65mm (Radial Flow)					50Hz			
THREE PHASE	MOTOR RATING			Discharge(LPM)					Price			
65MM	Kw	HP	Stage	Head(M)	0	100	150	200	250	300	350	PRICE
	3.00	4.00	4		49	47	45	43	39	32	24	
	3.70	5.00	5		61	59	56	54	49	40	30	
	3.70	5.00	6		74	70	68	64	58	48	36	
	4.50	6.00	6		74	70	68	64	58	48	36	
	5.50	7.50	8		98	94	90	86	78	65	48	
	5.50	7.50	9		110	106	101	97	88	72	54	
	7.50	10.00	10		123	118	113	108	98	81	60	
	7.50	10.00	12		147	141	135	129	117	96	72	
	9.30	12.50	12		147	141	135	129	117	96	72	
	11.00	15.00	15		184	176	169	161	146	120	90	
	11.00	15.00	18		220	212	202	194	176	144	108	
	15.00	20.00	21	257	247	236	226	205	168	126		
	15.00	20.00	24	294	282	270	258	234	194	144		



V6 THREE PHASE 150MM WATER FILLED STAINLESS STEEL FABRICATED SUBMERSIBLE PUMPSET SUITABLE FOR MIN. 150MM BOREWELL OR ABOVE; MAX. OD: 147MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380~415 VOLTS, 3 PHASE, 50 HZ, A.C. SUPPLY

ITEM CODE	LPWSX610			Outlet Size :-50mm (Mixed Flow)							50Hz	
THREE PHASE	MOTOR RATING			Discharge(LPM)							Price	
50MM	Kw	HP	Stage	Head(M)	0	100	132	160	220	270	320	PRICE
	2.20	3.00	6		63	59	54	50	46	40	28	
	2.20	3.00	7		73	68	63	58	53	46	32	
	3.00	4.00	10		104	98	90	83	76	66	46	
	3.70	5.50	14		146	137	127	117	106	92	64	
	5.50	7.50	15		156	146	136	125	114	99	69	
	5.50	7.50	18		188	176	163	150	137	119	83	
	7.50	10.00	20		208	195	181	167	152	132	92	
	7.50	10.00	24		250	234	217	200	182	158	110	
	9.30	12.50	30		313	293	271	250	228	198	138	
	11.00	15.00	36		375	351	326	300	273	237	165	
	15.00	20.00	40		417	390	362	333	303	263	183	
	15.00	20.00	44		458	429	398	367	334	290	202	
	18.50	25.00	54		563	527	488	450	410	356	248	

ITEM CODE	LPWSX615			Outlet Size :-65mm (Mixed Flow)							50Hz		
THREE PHASE	MOTOR RATING			Discharge(LPM)							Price		
65MM	Kw	HP	Stage	Head(M)	0	102	135	168	201	235	266	302	PRICE
	2.20	3.00	5		53	50	48	45	43	38	33	30	
	3.00	4.00	7		74	70	67	63	60	53	46	42	
	3.70	5.50	9		95	90	86	81	77	68	59	54	
	5.50	7.50	13		137	130	124	117	111	98	86	78	
	7.50	10.00	18		189	180	172	162	153	136	119	108	
	9.30	12.50	21		221	210	200	189	179	158	139	126	
	11.00	15.00	27		284	270	258	242	230	204	178	163	
	13.00	17.50	28		295	280	267	251	239	211	185	169	
	15.00	20.00	36		379	360	343	323	307	271	238	217	
	18.50	25.00	44		463	440	420	395	375	332	290	265	

ITEM CODE	LPWSX617			Outlet Size :-65mm (Mixed Flow)							50Hz	
THREE PHASE	MOTOR RATING			Discharge(LPM)							Price	
65MM	Kw	HP	Stage	Head(M)	0	150	200	250	300	333	383	PRICE
	2.20	3.00	5		57	54	50	46	41	34	27	
	3.00	4.00	6		68	65	60	55	49	40	32	
	3.70	5.00	8		91	87	80	73	65	54	43	
	5.50	7.50	9		102	97	91	82	73	60	48	
	5.50	7.50	12		136	130	121	110	98	80	64	
	7.50	10.00	16		181	173	161	147	130	107	85	
	9.30	12.50	20		226	217	201	183	163	134	107	
	11.00	15.00	24		272	260	241	220	195	161	128	
	13.00	17.50	27		306	292	272	247	220	181	144	
	15.00	20.00	32		362	347	322	293	260	214	171	



V6 THREE PHASE 150MM WATER FILLED STAINLESS STEEL FABRICATED SUBMERSIBLE PUMPSET SUITABLE FOR MIN. 150MM BOREWELL OR ABOVE; MAX. OD: 147MM

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380~415 VOLTS, 3 PHASE, 50 HZ, A.C. SUPPLY

ITEM CODE		LPWSX630			Outlet Size :-75mm (Mixed Flow)								50Hz	
THREE PHASE		MOTOR RATING			Discharge(LPM)								Price	
75MM	Kw	HP	Stage	Head(M)	0	202	270	335	405	470	535	652	PRICE	
	2.20	3.00	2		23	21	20	19	18	16	14	14	9	
	3.00	4.00	3		34	32	30	28	27	24	21	21	13	
	3.70	5.00	4		46	43	40	38	35	32	28	28	17	
	3.70	5.00	5		57	54	50	47	44	40	35	35	22	
	5.50	7.50	6		68	64	60	57	53	48	42	42	26	
	5.50	7.50	7		80	75	71	66	62	57	49	49	30	
	5.50	7.50	8		91	86	81	76	71	65	56	56	35	
	7.50	10.00	9		103	96	91	85	80	73	63	63	39	
	9.30	12.50	10		115	105	100	95	90	80	70	70	45	
	9.30	12.50	11		127	116	110	105	99	88	77	77	50	
	9.30	12.50	12		137	128	121	114	106	97	84	84	52	
	11.00	15.00	12		137	128	121	114	106	97	84	84	52	
	11.00	15.00	13		148	139	131	123	115	105	91	91	56	
	13.00	17.50	14		161	147	140	133	126	112	98	98	63	
	13.00	17.50	15		171	161	151	142	133	121	105	105	65	
	15.00	20.00	16		184	168	160	152	144	128	112	112	72	
	15.00	20.00	17	194	182	171	161	150	137	119	119	74		

ITEM CODE		LPWSX646			Outlet Size :-75mm (Mixed Flow)								50Hz		
THREE PHASE		MOTOR RATING			Discharge(LPM)								Price		
75MM	Kw	HP	Stage	Head(M)	0	252	420	585	670	750	835	920	1000	PRICE	
	3.00	4.00	2		27	25	23	21	19	18	16	16	13	11	
	3.70	5.00	3		41	38	35	31	29	26	23	23	20	16	
	4.50	6.00	3		41	38	35	31	29	26	23	23	20	16	
	5.50	7.50	4		54	50	46	41	38	35	31	31	26	21	
	7.50	10.00	5		68	63	58	52	48	44	39	39	33	26	
	9.30	12.50	6		81	75	69	62	58	53	47	47	40	32	
	9.30	12.50	7		95	88	81	72	67	61	54	54	46	37	
	11.00	15.00	8		108	100	92	82	77	70	62	62	53	42	
	13.00	17.50	9		122	113	104	93	86	79	70	70	59	47	
	15.00	20.00	10		135	126	115	103	96	88	78	78	66	53	
	18.50	25.00	12		162	151	138	124	115	105	93	93	79	63	
	22.50	30.00	15		203	188	173	155	144	131	116	116	99	79	

ITEM CODE		LPWSX660			Outlet Size :-75mm (Mixed Flow)							50Hz		
THREE PHASE		MOTOR RATING			Discharge(LPM)							Price		
75MM	Kw	HP	Stage	Head(M)	0	335	502	670	835	1000	1168	1300	PRICE	
	3.70	5.00	2		29	27	24	21	18	16	16	12	8	
	5.50	7.50	3		43	40	36	32	28	24	24	18	13	
	7.50	10.00	4		57	53	48	42	37	32	32	25	17	
	9.30	12.50	5		72	66	60	53	46	40	40	31	21	
	11.00	15.00	6		86	80	72	64	55	47	47	37	25	
	11.00	15.00	7		100	93	84	74	65	55	55	43	30	
	13.00	17.50	7		100	93	84	74	65	55	55	43	30	
	13.00	17.50	8		115	106	96	85	74	63	63	49	34	
	15.00	20.00	8		115	106	96	85	74	63	63	49	34	
	15.00	20.00	9		129	120	108	96	83	71	71	55	38	
	18.50	25.00	10		143	133	121	106	92	79	79	61	42	
	22.50	30.00	12		172	159	145	127	111	95	95	74	51	



To Know More About Us Please Scan Here



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