

**LDS, LRS, LKT
& LDT SERIES**

**Water Filled / Oil Filled
100 mm Submersible Pumpset
50 Hz**



QUALITY • INNOVATION • SUSTAINABILITY



Description

Lubi has designed and developed the latest technology rewindable oil filled submersible motors for its 4" submersible pumpsets. Following are the salient features of these motors.

Salient Features

- Motors are designed using enamelled copper wire instead of PVC insulated copper wire. Due to this the design is highly efficient reducing power consumption & thereby reducing cost of operation.
 - The motors are filled with special food non-toxic dielectric oil, which lubricates the ball bearing and axial thrust bearings. It also offers insulation and thermal properties which increases the reliability & working life of the motor.
 - Outer casing of the motor is constructed completely with Stainless Steel, which reduces corrosion and gives a good overall appearance to the motor.
 - The motors are compact and weigh substantially less, which facilitates transportation storage & installation.
 - The electric cable of the motor constitutes three-wire removable cable with watertight connector. This facilitates the changing of the cable, if required, without dismantling the motor
 - The motor are permanently split capacitor motors, which do not require the starting capacitor or a starting switch. Due to this the cost of the control box reduces substantially, thereby reducing the cost of installation.
 - The motor are designed for a wide voltage range of operation and are suitable for installation in areas experiencing wide voltage fluctuations.
 - All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- The Pumpsets are compact and slim and can be easily installed in narrow wells.

Material of Construction

Motor Body	: Stainless Steel
Stator	: Vacuum Impregnated with class F insulation
Rotor	: Aluminum pressure die-cast / Copper Rotor
Windings	: Enamelled copper wire with class F insulation
Cable Sealing Arrangement	: Designed so that no bore well water with sand can enter the motor.
Bearing	: Heavy duty angular contact bearing / ball bearing
Pressure Equalizing Diaphragm	: Adequately sized to accommodate expansion of oil inside the motor and prevent loss of oil
Impeller	: High quality abrasion resistant Noryl / Stainless Steel & dynamically balanced.
Bowl	: High grade Noryl / Cast Iron
Wear Rings	: High quality abrasion resistant P.U. / Rubber
Shaft	: Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Suction Casing	: Provided with perforated Stainless Steel Strainer and adequately sizes to allow the water to be sucked in with minimum friction.
Seal	: Mechanical Seal

Applications

- Water Supply
- Civil and Industrial
- Fire Fighting
- Irrigation

100 mm

Borewell Submersible Pumpsets



4" Water Filled



Description

Lubi submersible pumpsets are manufactured as per IS : 8034 with strict quality control for year of efficient & reliable operation.

Salient Features

- All components are manufactured from materials as per Indian Standard Specifications. They are precisely machined on modern machines, Including CNC machines to give you years of reliable operation.
- Motors are designed to operate .under large voltage fluctuations.
- Motors have well designed sleeve and thrust bearings for longer life.
- Motor Stator & Rotor are vacuum impregnated and woperly coated to ensure corrosion resistance.
- High operating efficiencies of pumpset result into high water discharge rate and lower power consumption.
- All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- The Pumpsets are compact and slim and can be easily installed in narrow wells.

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	: Sand blasting and coated with polyurethane paint for corrosion resistance & dynamically balanced for vibration free smooth operation.
Windings	: PVC / Polyester insulated, water cooled
Journal Bearings	: Leaded Bronze and Stainless Steel, Water Lubricated, having high load bearing capacity.
Thrust Bearings	: Special self-aligning and water lubricated to withstand high axial thrust loads.
Pressure Equalizing Diaphragm	: Adequately sized to accommodate expansion of water inside the motor and prevent loss of cooling water.
Impeller	: High quality abrasion resistant Noryl / Stainless Steel & dynamically balanced.
Bowl	: High grade Noryl / Cast Iron
Wear Rings	: High quality abrasion resistant P.U. / Rubber
Shaft	: Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Suction Casing	: Provided with perforated Stainless Steel Strainer and adequately sized to allow the water to be sucked in with minimum friction.
Cable Sealing Arrangement	: Designed so that no borewell water with sand can enter the motor.

Applications : • Water Supply • Civil and Industrial • Fire Fighting • Irrigation

4" Submersible pumpsets for 100 mm. DIA. Borewell. (96 mm. Max. Diameter)

LDT-4A, LDS-4A, LKT-4A, LRS-4A

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				10	15	23	28	34	40
				Head in Metres					
LRS-4A / LDS-4A	10	0.37	0.50	51	49	45	40	33	24
LRS-4A / LDS-4A	12	0.37	0.50	63	60	54	48	39	28
LRS-4A / LDS-4A	15	0.55	0.75	78	75	67	60	49	36
LRS-4A / LDS-4A	18	0.55	0.75	94	90	81	73	58	43
LRS-4A / LDS-4A	20	0.75	1.00	110	104	92	81	65	48
LRS-4A / LDS-4A	24	0.75	1.00	128	121	108	97	79	57
LRS-4A / LDS-4A	30	1.10	1.50	157	150	135	121	97	72
LRS-4A / LDS-4A	34	1.10	1.50	180	172	153	136	110	81
LRS-4A / LDS-4A	40	2.00	2.00	211	202	181	163	131	96
LRS-4A / LDS-4A	46	2.00	2.00	242	230	207	186	150	110

LRS-6H

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.							
				8	11	14	22	30	37	41	47
				Head in Metres							
LRS-6H	14	0.75	1.00	87	83	80	70	56	45	28	16
LRS-6H	16	0.75	1.00	99	95	91	80	64	51	32	18

LKT-7

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.								
				28	35	42	48	55	60	72	85	90
				Head in Metres								
LKT-7	50	3.70	5.00	340	325	295	254	217	187	129	58	23
LKT-7	60	4.40	6.00	408	390	355	305	260	225	155	70	28

LDT-6A, LDS-6A, LKT-6A, LRS-6A

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.							
				8	18	26	35	43	46	52	58
				Head in Metres							
LRS-6A / LDS-6A	8	0.37	0.50	53	50	45	40	32	26	16	9
LRS-6A / LDS-6A	12	0.55	0.75	79	74	68	60	48	38	24	14
LRS-6A / LDS-6A	14	0.75	1.00	93	87	80	70	56	44	28	16
LRS-6A / LDS-6A	16	0.75	1.00	106	99	91	80	64	51	32	18
LRS-6A / LDS-6A	18	1.10	1.50	119	112	103	90	72	57	36	20
LRS-6A / LDS-6A	20	1.10	1.50	133	124	114	100	80	64	40	23
LRS-6A / LDS-6A	24	1.50	2.00	159	149	137	120	96	76	48	27
LRS-6A / LDS-6A	28	1.50	2.00	186	174	160	140	112	89	56	32
LRS-6A / LDS-6A	30	1.50	2.00	200	187	172	150	120	96	60	35
LRS-6A / LDS-6A	40	2.20	3.00	266	249	229	200	160	128	80	46

LRS-7

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				18	28	48	60	72	80
				Head in Metres					
LRS-7	36	2.20	3.00	275	252	180	120	60	20

LDT-8H, LDS-8H, LKT-8H, LRS-8H

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				28	48	60	72	85	100
				Head in Metres					
LRS-8H / LDS-8H	6	0.37	0.50	40	33	30	27	21	11
LRS-8H / LDS-8H	8	0.55	0.75	53	44	40	36	28	15
LRS-8H / LDS-8H	11	0.75	1.00	73	60	55	49	38	21
LRS-8H / LDS-8H	12	1.10	1.50	79	66	60	54	42	22
LRS-8H / LDS-8H	14	1.10	1.50	93	77	70	63	49	26
LRS-8H / LDS-8H	16	1.10	1.50	106	88	81	72	56	31
LRS-8H / LDS-8H	18	1.10	1.50	118	98	90	80	63	33
LRS-8H / LDS-8H	19	1.50	2.00	125	104	95	85	66	36
LRS-8H / LDS-8H	21	1.50	2.00	139	115	105	94	73	40
LRS-8H / LDS-8H	24	1.50	2.00	158	131	120	107	83	45
LRS-8H / LDS-8H	28	2.20	3.00	185	154	140	126	98	53
LRS-8H / LDS-8H	32	2.20	3.00	212	176	160	144	112	60

LDS-6B

Outlet size 32 mm. (1 1/4")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				15	20	25	30	35	40
				Head in Metres					
LDS-6B	6	0.37	0.50	36	34	31	26	21	15
LDS-6B	8	0.37	0.50	41	38	35	31	28	19

Note :

- LDS & LDT - Oil filled motor.
- LKT & LRS - Water filled motor.
- Performance of LKT / LDT is same as LRS / LDS.
- All pumps with * are ISI marked.
- LRS - series is also available in 5.0 HP.
- T - Three phase, S - Single phase.
- Please select pumps in the range of discharge shown in bold figure.

4" Submersible pumpsets for 100 mm. DIA. Borewell. (96 mm. Max. Diameter)

LDT-10H, LDS-10H, LKT-10H, LRS-10H

Outlet size 32 mm. (1¼")

n = 2880 rpm

Pump Type 3Ph / 1Ph	Stage	K.W.	H.P.	Discharge in L.P.M.					
				28	48	60	72	85	100
				Head in Metres					
LRS-10H / LDS-10H	5	0.37	0.50	33	27	25	22	17	9
LRS-10H / LDS-10H	7	0.55	0.75	46	39	35	31	24	13
LRS-10H / LDS-10H	10	0.75	1.00	66	55	50	45	35	18
LRS-10H / LDS-10H	12	1.10	1.50	80	66	60	54	42	22
LRS-10H / LDS-10H	14	1.10	1.50	93	77	70	63	49	26
LRS-10H / LDS-10H	16	1.50	2.00	106	88	81	72	56	31
LRS-10H / LDS-10H	18	1.50	2.00	120	99	90	81	63	33
LRS-10H / LDS-10H	26	2.20	3.00	173	143	130	117	91	47
LRS-10H / LDS-10H	30	2.20	3.00	200	165	150	135	105	55
LKT-10H / LDT-10H	32	3.00	4.00	212	176	160	144	112	60
LKT-10H / LDT-10H	38	3.00	4.00	253	209	190	171	133	69
LKT-10H / LDT-10H	40	3.70	5.00	266	220	200	180	140	73
LKT-10H / LDT-10H	48	3.70	5.00	319	264	240	216	168	88
LKT-10H / LDT-10H	52	4.40	6.00	346	286	260	234	182	95
LKT-10H / LDT-10H	56	4.40	6.00	372	308	280	252	196	102

LDT-15H, LDS-15H, LKT-15H, LRS-15H

Outlet size 32 mm. (1¼")

n = 2880 rpm

Pump Type 3Ph / 1Ph	Stage	K.W.	H.P.	Discharge in L.P.M.					
				25	40	55	70	85	100
				Head in Metres					
LRS-15H / LDS-15H *	3	0.37	0.50	24	22	20	16	12	9
LRS-15H / LDS-15H	4	0.37	0.50	32	29	26	21	16	12
LRS-15H / LDS-15H *	5	0.55	0.75	40	37	32	28	21	15
LRS-15H / LDS-15H *	7	0.75	1.00	56	52	46	39	30	22
LRS-15H / LDS-15H *	10	1.10	1.50	80	74	65	55	42	31
LRS-15H / LDS-15H	13	1.50	2.00	104	96	84	71	54	40
LRS-15H / LDS-15H *	14	1.50	2.00	112	104	92	77	59	43
LRS-15H / LDS-15H *	21	2.20	3.00	168	155	138	116	89	65
LRS-15H / LDS-15H	28	3.00	4.00	224	207	183	155	119	87
LRS-15H / LDS-15H	35	3.70	5.00	280	260	230	194	149	109
LRS-15H / LDS-15H	42	4.40	6.00	336	312	275	233	179	131

LDT-12, LDS-12, LKT-12, LRS-12

Outlet size 32 mm. (1¼")

n = 2880 rpm

Pump Type 3Ph / 1Ph	Stage	K.W.	H.P.	Discharge in L.P.M.				
				40	52	68	85	102
				Head in Metres				
LRS-12 / LDS-12 *	4	0.37	0.50	24	22	20	17	12
LRS-12 / LDS-12 *	6	0.55	0.75	35	34	30	25	18
LRS-12 / LDS-12 *	8	0.75	1.00	47	45	40	34	24
LRS-12 / LDS-12	10	0.75	1.00	59	56	50	41	30
LRS-12 / LDS-12 *	12	1.10	1.50	70	68	60	50	36
LRS-12 / LDS-12 *	16	1.50	2.00	94	89	79	66	48
LRS-12 / LDS-12 *	20	2.20	3.00	118	111	98	83	60
LRS-12 / LDS-12 *	24	2.20	3.00	141	132	117	99	72
LRS-12 / LDS-12	28	3.00	4.00	165	154	137	116	84
LRS-12 / LDS-12	32	3.00	4.00	189	157	157	132	96
LRS-12 / LDS-12	36	3.70	5.00	212	202	178	149	108
LRS-12 / LDS-12	40	3.70	5.00	236	225	198	165	120
LRS-12 / LDS-12	45	4.40	6.00	265	254	225	186	135
LRS-12 / LDS-12	50	4.40	6.00	295	280	248	206	150

LDT-15A, LDS-15A, LKT-15A, LRS-15A

Outlet size 38 mm. (1½")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				45	60	80	100	120	140
				Head in Metres					
LRS-15A / LDS-15A	5	0.55	0.75	28	27	25	21	16	10
LRS-15A / LDS-15A	7	0.75	1.00	41	39	35	30	23	14
LRS-15A / LDS-15A	10	1.10	1.50	58	55	50	43	33	20
LRS-15A / LDS-15A	12	1.50	2.00	73	69	61	51	39	24
LRS-15A / LDS-15A	14	1.50	2.00	89	82	71	59	46	28
LRS-15A / LDS-15A	18	2.20	3.00	108	100	89	75	59	36
LRS-15A / LDS-15A	20	2.20	3.00	124	115	102	85	66	40
LKT-15A / LDT-15A	24	3.00	4.00	144	135	120	101	79	48
LKT-15A / LDT-15A	26	3.00	4.00	161	148	131	110	85	52
LKT-15A / LDT-15A	28	3.70	5.00	178	163	142	120	92	56
LKT-15A / LDT-15A	32	3.70	5.00	200	185	163	137	105	64
LKT-15A / LDT-15A	36	4.40	6.00	222	206	183	155	118	72
LKT-15A / LDT-15A	40	4.40	6.00	245	228	202	172	132	80
LKT-15A / LDT-15A	54	5.50	7.5	290	273	240	200	170	120

Note :

- LDS & LDT - Oil filled motor.
- LKT & LRS - Water filled motor.
- Performance of LKT / LDT is same as LRS / LDS.
- All pumps with * are ISI marked.
- LRS - series is also available in 5.0 HP.
- T - Three phase, S - Single phase.
- Please select pumps in the range of discharge shown in bold figure.

100 mm

Borewell Submersible Pumpsets



4" Submersible pumpsets for 100 mm. DIA. Borewell. (96 mm. Max. Diameter)

LDT-20A, LDS-20A, LKT-20A, LRS-20A
Outlet size 38 mm. (1½") n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.				
				66	83	100	116	133
				Head in Metres				
LRS-20A / LDS-20A	5	0.75	1.00	33	30	27	24	19
LRS-20A / LDS-20A	8	1.10	1.50	50	46	42	37	31
LRS-20A / LDS-20A	10	1.50	2.00	63	59	53	47	39
LRS-20A / LDS-20A	15	2.20	3.00	92	86	78	69	58
LKT-20A / LDT-20A	18	3.00	4.00	110	102	93	82	70
LKT-20A / LDT-20A	20	3.00	4.00	124	115	104	92	78
LKT-20A / LDT-20A	22	3.70	5.00	136	126	115	101	85
LKT-20A / LDT-20A	25	3.70	5.00	153	142	130	115	97
LKT-20A / LDT-20A	28	4.40	6.00	171	159	145	129	109
LKT-20A / LDT-20A	30	4.40	6.00	184	171	156	139	117
LKT-20A / LDT-20A	37	5.50	7.50	228	221	213	205	193

LDT-31, LDS-31, LKT-31, LRS-31
Outlet size 50 mm. (2") n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				135	170	250	290	375	400
				Head in Metres					
LRS-31 / LDS-31*	4	1.10	1.50	16	15	12	11	7	5
LRS-31 / LDS-31*	6	1.50	2.00	25	23	19	16	10	8
LRS-31 / LDS-31*	10	2.20	3.00	41	38	31	27	17	13
LKT-31 / LDT-31	13	3.00	4.00	54	50	40	35	22	17
LKT-31 / LDT-31	16	3.70	5.00	66	62	50	43	27	21
LKT-31 / LDT-31	20	4.40	6.00	83	78	64	56	34	26

LDT-25, LDS-25, LKT-25, LRS-25
Outlet size 50 mm. (2") n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				80	110	130	150	180	210
				Head in Metres					
LRS-25 / LDS-25 *	6	1.10	1.50	33	30	29	26	21	16
LRS-25 / LDS-25 *	8	1.50	2.00	44	40	39	35	28	21
LRS-25 / LDS-25 *	10	2.20	3.00	56	50	49	44	35	26
LRS-25 / LDS-25 *	12	2.20	3.00	67	61	59	53	42	32
LRS-25 / LDS-25	13	2.20	3.00	83	78	66	64	57	34
LRS-25 / LDS-25	14	3.00	4.00	78	71	68	61	49	37
LRS-25 / LDS-25	16	3.00	4.00	89	81	78	70	56	42
LRS-25 / LDS-25	18	3.70	5.00	100	91	88	79	63	48
LRS-25 / LDS-25	20	3.70	5.00	111	101	98	88	70	53
LKT-25 / LDT-25	22	4.40	6.00	122	111	108	97	77	58
LKT-25 / LDT-25	24	4.40	6.00	133	121	118	106	84	64
LKT-25 / LDT-25	26	5.50	7.50	145	130	126	113	91	69

LDT-40, LDS-40, LKT-40, LRS-40
Outlet size 65 mm. (2½") n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				120	170	220	270	320	370
				Head in Metres					
LRS-40 / LDS-40	5	1.50	2.0	22	20	18	17	15	12
LRS-40 / LDS-40*	6	1.50	2.0	26	24	22	20	17	14
LRS-40 / LDS-40*	7	2.20	3.0	30	28	26	24	20	17
LKT-40 / LDT-40	8	2.20	3.0	35	32	30	27	23	19
LKT-40 / LDT-40	9	2.20	3.0	40	36	33	31	26	22
LKT-40 / LDT-40	10	3.00	4.0	44	40	37	34	29	24
LKT-40 / LDT-40	12	3.70	5.0	53	48	44	41	35	29
LKT-40 / LDT-40	15	4.40	6.0	66	60	55	51	43	36

LDP-2
Outlet size 32 mm. (1¼") n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				25	40	55	70	85	100
				Head in Metres					
LDP-2	5	0.75	1.00	37	35	30	25	19	12

Note :

- LDS & LDT - Oil filled motor.
- LKT & LRS - Water filled motor.
- Performance of LKT / LDT is same as LRS / LDS.
- All pumps with * are ISI marked.
- LRS - series is also available in 5.0 HP.
- T - Three phase, S - Single phase.
- Please select pumps in the range of discharge shown in bold figure.

100 mm

Borewell Submersible Pumpsets



4" Submersible pumpsets for 100 mm. DIA. Borewell. (96 mm. Max. Diameter) Special Construction - C.I. Bowl . S.S. Impeller



LDT-30, LDS-30, LKT-30, LRS-30
Outlet size 50 mm (2")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				175	200	225	250	275	300
				Head in Meters					
LRS-30 / LDS-30	5	1.10	1.50	19	17	15	13	10	8
LRS-30 / LDS-30	7	1.50	2.00	27	23	20	18	13	11
LRS-30 / LDS-30	10	2.20	3.00	38	33	29	25	19	15
LKT-30 / LDT-30	12	3.00	4.00	46	40	35	30	23	18
LKT-30 / LDT-30	16	3.70	5.00	61	53	46	40	30	24

LDT-50, LDS-50, LKT-50, LRS-50
Outlet size 65 mm (2½")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.							
				200	240	290	340	395	445	500	550
				Head in Meters							
LRS-50 / LDS-50	6	2.20	3.00	22	20	18	16	14	12	8	4
LKT-50 / LDT-50	8	3.00	4.00	29	27	24	21	19	16	11	5
LKT-50 / LDT-50	10	3.70	5.00	37	33	30	27	23	19	13	7
LKT-50 / LDT-50	12	4.40	6.00	44	40	36	32	28	24	16	8

LRS-50N
Outlet size 65 mm (2½")

n = 2880 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.							
				0	200	250	300	320	370	420	450
				Head in Meters							
LRS-50N	6	2.20	3.00	25.6	25	23	20	19	17	12	9
LRS-50N	7	2.20	3.00	30	26	27	24	22	20	14	11
LRS-50N	8	3.00	4.00	34	33	31	27	25	23	16	12
LRS-50N	9	2.20	3.00	38.4	37.8	35	30.6	28.8	26	18	14
LRS-50N	10	3.70	5.00	42.7	42	39	34	32	29	20	16
LRS-50N	12	4.40	6.00	51	50	46	40	38	34	24	19
LRS-50N	15	5.50	7.50	64	63	58.5	51	48	43.5	30	24

LRS-5A
Outlet size 32 mm (1¼")

n = 2800 rpm

Pump Type	Stage	K.W.	H.P.	Discharge in L.P.M.					
				10	18	26	34	40	50
				Head in Meters					
LRS-5A	10	0.37	0.50	64	56	50	42	30	7
LRS-5A	18	0.75	1.00	115	101	91	76	53	13
LRS-5A	27	1.10	1.50	172	152	136	114	80	20
LRS-5A	34	1.50	2.00	216	191	171	144	101	25

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Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.



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