

DEEP WELL SUBMERSIBLE MOTORS

6" / 7" / 8" / 10"





About Letra Co.

Your global partner in water technologies, "Letra A.S."

LETRA Water Technologies and Engineering is a global partnership company that provides engineering, consultancy, project design and product supply for pump systems.

Letra A.S. is a strong solution partner in the process of consulting, choosing the right product, product supply and commissioning them in fluid pump systems for industrial, agricultural and drinking water supply systems especially for Borehole Submersible Pumps and Motors, Vertical Turbine Pumps & Geothermal Pumps.

The founders of Letra A.S., Mechanical Engineer Ersan AKSEN and Electrical Engineer Serkan VAROL has brought innovations to the sector with their 25 years of experience and has completed many successful pump projects.

Letra A.S. provides consultancy and engineering services to select high efficiency pumps in the most accurate way. With a detailed feasibility study and makes reporting by evaluating result of feasibility studies with scientific

methodologies. Furthermore, identifies suitable instruments according to actual needs. In addition to that, provides the budgeting of project by performing investment/benefit analysis. Cooperates in obtaining the system requirements from the "most correct" supplier. Taking an active role in all processes, for correct budgeting.

Letra A.S., established in Turkey / Izmir as a project consultancy and engineering company for pump systems and become a global company that also provides best quality product to the whole world by undertaking the representation and dealership of many brands. Whether you want to get information about your pump systems needs or you need a reliable partners for a reliable products, you can always consult us.

GENERAL INFO

Letra A.S., which exports submersible motors all over the world, is at your service with fast delivery from stock, reasonable and stable price policy and wide product range.

We export 6" / 7" / 8" / 10" water cooled, rewindable submersible motors from 5.5 HP to 300 HP, to all over the world. We are able to offer the products of the brands that we represent, with fast delivery from stock. In addition, we can supply customized products according to your needs with special manufacturing.

Letra A.S. is a specialized company for submersible motor industry. Our engineering team has served for more than 25 years in

submersible motor manufacturing to bring quality to perfection. Today, we reflect this experience and knowledge of many years to our valued customers as the right product, time and cost.

For this reason, Letra A.S. besides being a professional company that sells submersible motors; is a strong solution partner that offers consultancy and engineering, and takes maximum care to provide the right products to its customers with a reasonable price.



APPLICATIONS:

- Agricultural irrigation
- Drinking water supply
- Industrial plants
- Water supply from boreholes
- Pressurization applications
- Mining
- Sprinklers

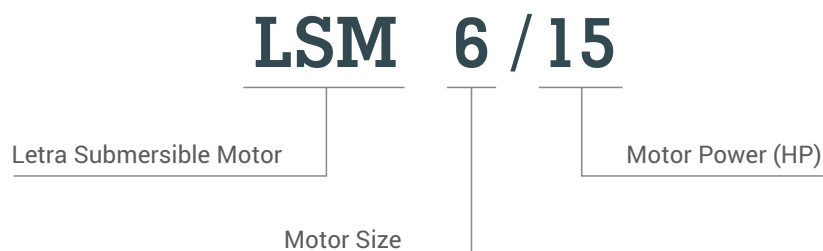
GENERAL FEATURES:

- High quality winding wire and long life
- Lifetime energy savings with high efficiency
- Water cooled system
- Suitable to works with VFD & Soft Starter
- Customized production and material options
- NEMA standards
- Internationally valid certified products

TECHNICAL FEATURES:

Dimensions	6" - 7" - 8" - 10"
Voltage	3 x 220/380/460/525V
Frequency	50 / 60Hz
Max. Power	5,5 to 300 HP
Max. Water Temperature	50°C (70°C is optional)
Working Position	Vertical / Horizontal
Direction of Rotation	CW / CCW

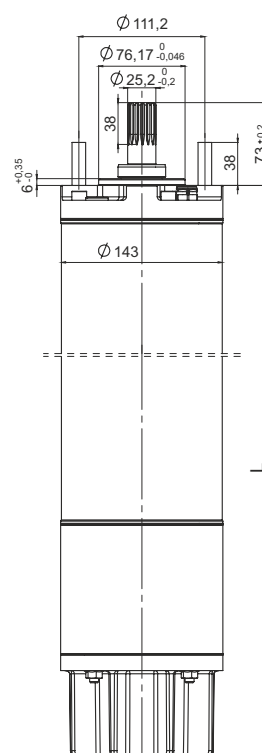
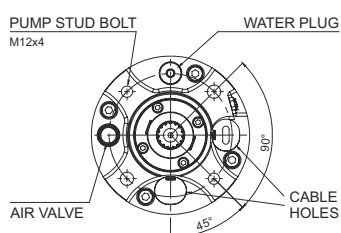
PRODUCT CODE SYSTEM



Type	Frequency	Power		Voltage	Current	COSØ	Rotation	Efficiency	Maximum Thrust Load	Power Cable Section		Power Cable Length	Dimensions					
										DOL	SD		Length	Weight				
	Hz	HP	kW	Volt	Amp.	rpm	%	kN		mm²	mm²	metre (m)	mm	Kg				
LSM6/5,5	50	5,5	4	380	10,2	0,80	2885	74,5	22	3x 2,5	2x(3x2,5)	3,5	690	42				
	60			460	9,0	0,75	3495	74,4										
LSM6/7,5	50	7,5	5,5	380	13,6	0,80	2880	77,3							3x12,5	2x(3x2,5)	735	46
	60			460	11,8	0,75	3490	78,0										
LSM6/10	50	10	7,5	380	17,7	0,82	2875	78,5							3x2,5	2x(3x2,5)	780	51
	60			460	15,4	0,77	3490	79,4										
LSM6/12,5	50	12,5	9,2	380	21,4	0,82	2875	79,7	3x2,5	2x(3x2,5)	810		55					
	60			460	18,4	0,79	3480	79,9										
LSM6/15	50	15	11	380	25,3	0,82	2870	80,6	3x2,5	2x(3x2,5)	840		57					
	60			460	21,6	0,79	3480	81,4										
LSM6/17,5	50	17,5	13	380	30,4	0,82	2870	79,2	3x2,5	2x(3x2,5)	890		63					
	60			460	26,3	0,79	3480	79,0										
LSM6/20	50	20	15	380	34,5	0,83	2870	80,1	3x4	2x(3x2,5)	930		67					
	60			460	29,6	0,79	3480	80,5										
LSM6/25	50	25	18,5	380	42,6	0,81	2870	82,0	3x4	2x(3x4)	1015		76					
	60			460	37,0	0,79	3475	79,9										
LSM6/30	50	30	22	380	50,0	0,82	2860	81,5	3x6	2x(3x4)	1060	81						
	60			460	43,2	0,79	3470	81,4										
LSM6/35	50	35	26	380	58,6	0,81	2860	83,2	3x6	2x(3x4)	1165	92						
	60			460	50,2	0,78	3470	83,9										
LSM6/40	50	40	30	380	68,8	0,80	2870	83,3	3x10	2x(3x4)	1275	103						
	60			460	59,6	0,76	3475	83,7										
LSM6/50	50	50	37	380	84,5	0,81	2860	82,1	3x10	2x(3x6)	1365	113						
	60			460	73,1	0,77	3465	82,5										

TECHNICAL SPECIFICATIONS	
Motor Pump Connection Standard	NEMA 6"
Motor Protection Class	IP68
Motor Isolation Class	Y
Nominal Working Frequency and Voltage	50Hz / 380V 60Hz / 460V
Max. Working Voltage Tolerance	±%10
Max. Working Temperature	50°C
Max. Working Start Per Hour	20
Installation Type	Vertical / Horizontal (With the help of cooling Jacket)
Maximum Thrust Load	5,5HP-10HP / 22kN
	12,5HP-25HP / 25kN
	30HP-50HP / 28kN

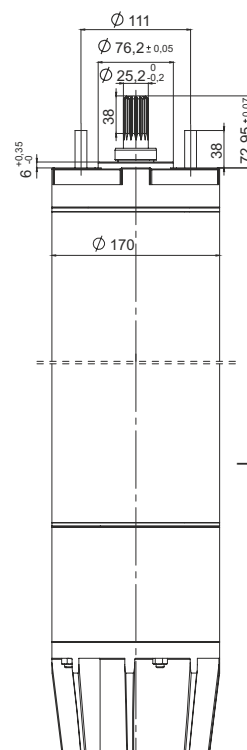
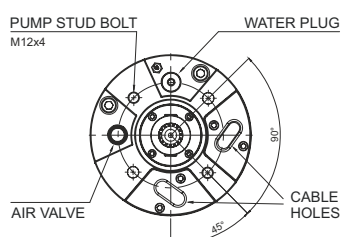
MATERIALS	
Rotor Shaft	X20Cr13 / AISI420
Rotor Freeze	
Upper Cover	GG25
Middle Cover	
Bottom Cover	
Motor Exterior Body	X5CrNi18-10 / AISI304
Locking	POLYAMID6-6
Mechanical Seal	SiC/SiC
Thrust Bearing	CARBON
Power Cable Insulate	PVC
Winding Wire Insulate	PPC



Type	Frequency	Power		Voltage	Current	COSØ	Rotation	Efficiency	Maximum Thrust Load	Power Cable Section		Power Cable Length	Dimensions	
										DOL	SD		Length	Weight
	Hz	HP	kW	Volt	Amp.	rpm	%	kN		mm²	mm²	metre (m)	mm	Kg
LSM7/30	50	30	22	380	48,0	0,85	2890	81,9	30	3x6	2x(3x6)	4,3	890	91
	60			460	41,7	0,85	3495	77,9						
LSM7/40	50	40	30	380	62,0	0,86	2875	85,5		3x10	2x(3x6)		970	104
	60			460	54,0	0,86	3490	81,1						
LSM7/50	50	50	37	380	77,0	0,86	2885	84,9		3x16	2x(3x6)		1060	118
	60			460	66,0	0,86	3495	81,8						
LSM7/60	50	60	45	380	91,0	0,86	2885	87,4		3x16	2x(3x10)		1140	133
	60			460	81,0	0,86	3490	81,1						
LSM7/70	50	70	51	380	107,0	0,85	2890	85,2		3x16	2x(3x10)		1250	148
	60			460	93,0	0,85	3495	81,0						
LSM7/80	50	80	59	380	119,0	0,86	2890	87,6		3x25	2x(3x10)		1320	165
	60			460	104,2	0,86	3500	82,6						
LSM7/90	50	90	66	380	131,0	0,86	2885	89,0		3x25	2x(3x10)		1430	176
	60			460	111,1	0,86	3490	86,7						

TECHNICAL SPECIFICATIONS	
Motor Pump Connection Standard	NEMA 6"
Motor Protection Class	IP68
Motor Isolation Class	Y
Nominal Working Frequency and Voltage	50Hz / 380V 60Hz / 460V
Max. Working Voltage Tolerance	±%10
Max. Working Temperature	50°C
Max. Working Start Per Hour	30HP-70HP / 17 80 HP 90 HP / 15
Installation Type	Vertical / Horizontal (With the help of cooling Jacket)
Maximum Thrust Load	35kN

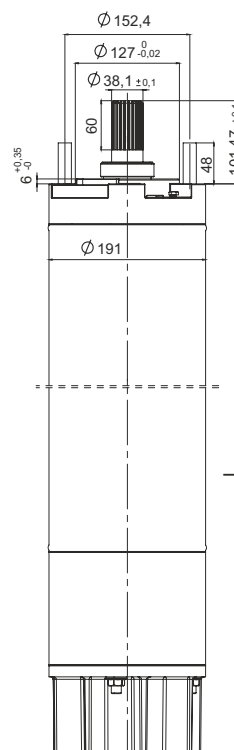
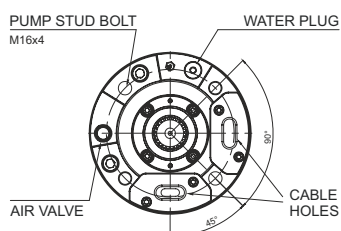
MATERIALS	
Rotor Shaft	X20Cr13 / AISI420
Rotor Freeze	
Upper Cover	GG25
Middle Cover	
Bottom Cover	
Motor Exterior Body	X5CrNi18-10 / AISI304
Locking	POLYAMID6-6
Mechanical Seal	SiC/SiC
Thrust Bearing	CARBON
Power Cable Insulate	PVC
Winding Wire Insulate	PPC



Type	Frequency	Power		Voltage	Current	COSØ	Rotation	Efficiency	Maximum Thrust Load	Power Cable Section		Power Cable Length	Dimensions	
										DOL	SD		Length	Weight
	Hz	HP	kW	Volt	Amp.	rpm	%	kN		mm²	mm²	metre (m)	mm	Kg
LSM8/30	50	30	22	380	50,0	0,85	2880	78,7	40	3x10	2x(3x6)	4,3	925	120
	60			460	42,2	0,85	3500	77,0						
LSM8/40	50	40	30	380	62,0	0,87	2875	84,5		3x10	2x(3x10)		1005	129
	60			460	54,7	0,84	3500	82,4						
LSM8/50	50	50	37	380	76,0	0,87	2885	85,0		3x10	2x(3x10)		1055	139
	60			460	66,0	0,85	3490	83,3						
LSM8/60	50	60	45	380	90,0	0,87	2885	87,3		3x16	2x(3x10)		1105	147
	60			460	80,3	0,85	3490	83,2						
LSM8/75	50	75	55	380	112,0	0,87	2870	85,8		3x16	2x(3x10)		1185	163
	60			460	93,4	0,86	3480	85,9						
LSM8/80	50	80	59	380	117,0	0,87	2870	88,1		3x16	2x(3x10)		1195	164
	60			460	99,2	0,86	3470	86,8						
LSM8/85	50	85	63	380	126,0	0,87	2880	87,3		3x25	2x(3x10)		1225	174
	60			460	107,6	0,86	3485	85,5						
LSM8/90	50	90	66	380	141,0	0,87	2885	81,7		3x25	2x(3x10)		1295	187
	60			460	118,0	0,86	3490	81,6						
LSM8/95	50	95	70	380	141,0	0,87	2890	86,7		3x25	2x(3x10)		1325	193
	60			460	118,8	0,87	3485	85,5						
LSM8/100	50	100	75	380	147,0	0,87	2890	89,1		3x25	2x(3x16)		1365	202
	60			460	130,3	0,86	3485	84,0						
LSM8/110	50	110	81	380	161,0	0,87	2900	87,9		3x25	2x(3x16)		1455	220
	60			460	140,3	0,85	3485	85,3						
LSM8/125	50	125	92	380	182,0	0,87	2900	88,3	45	3x16	2x(3x16)	1565	242	
	60			460	157,4	0,84	3495	87,3						
LSM8/150	50	150	110	380	220,0	0,87	2910	87,3	45	3x25	2x(3x25)	1715	272	
	60			460	187,7	0,83	3505	88,6						

TECHNICAL SPECIFICATIONS	
Motor Pump Connection Standard	NEMA 8"
Motor Protection Class	IP68
Motor Isolation Class	Y
Nominal Working Frequency and Voltage	50Hz / 380V 60Hz / 460V
Max. Working Voltage Tolerance	±%10
Max. Working Temperature	50°C
Max. Working Start Per Hour	15
Installation Type	Vertical / Horizontal (With the help of cooling Jacket)
Maximum Thrust Load	30HP-110HP / 40 kN 125 HP-150 HP / 55 kN

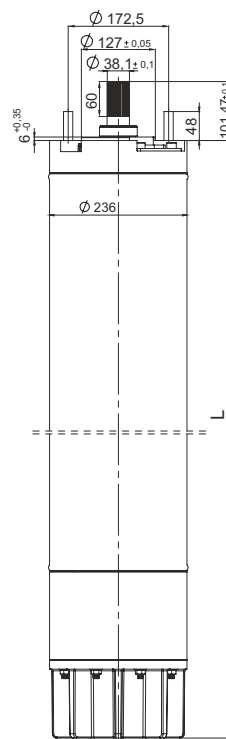
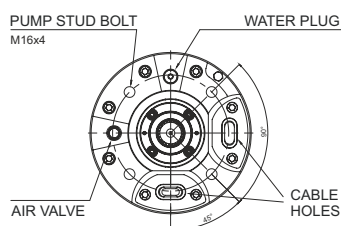
MATERIALS	
Rotor Shaft	X20Cr13 / AISI420
Rotor Freeze	
Upper Cover	GG25
Middle Cover	
Bottom Cover	
Motor Exterior Body	X5CrNi18-10 / AISI304
Locking	POLYAMID6-6
Mechanical Seal	SiC/SiC
Thrust Bearing	CARBON
Power Cable Insulate	PVC
Winding Wire Insulate	PPC

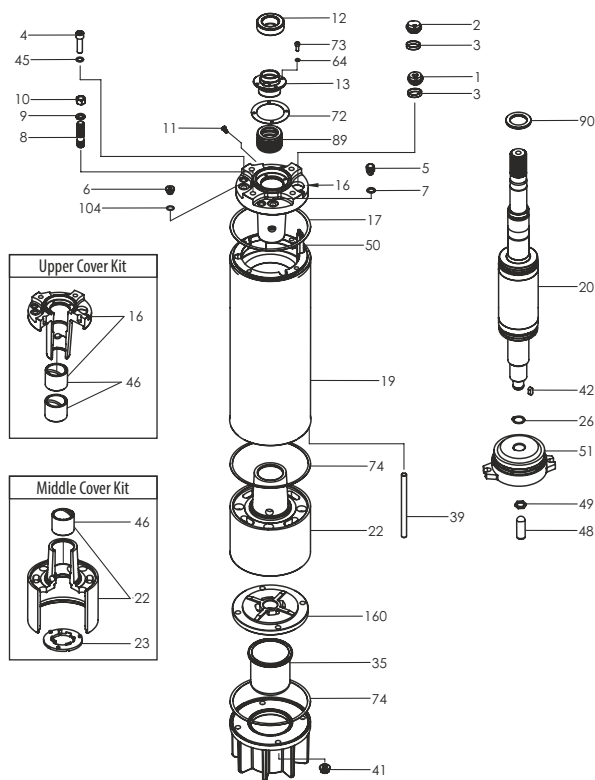


Type	Frequency	Power		Voltage	Current	COSØ	Rotation	Efficiency	Maximum Thrust Load	Power Cable Section		Power Cable Length	Dimensions	
										DOL	SD		Length	Weight
	Hz	HP	kW	Volt	Amp.	rpm	%	kN		mm²	mm²	metre (m)	mm	Kg
LSM10/100	50	100	75	380	150,0	0,87	2910	87,3	65	1x25	2x16	4,3	1225	247
	60			460	130,0	0,87	3480	83,2						
LSM10/110	50	110	81	380	166,0	0,87	2915	85,2		1x25	2x16		1265	260
	60			460	144,0	0,87	3485	81,2						
LSM10/125	50	125	92	380	181,0	0,89	2915	86,8		1x35	2x16		1315	274
	60			460	157,0	0,89	3480	82,6						
LSM10/150	50	150	110	380	220,0	0,89	2915	85,4		1x35	2x25		1445	313
	60			460	191,0	0,89	3485	81,2						
LSM10/175	50	175	129	380	255,0	0,89	2920	86,4		2x25	2x25		1545	341
	60			460	222,0	0,89	2500	81,9						
LSM10/200	50	200	147	380	290,0	0,89	2925	86,5		2x25	2x35		1665	377
	60			460	252,0	0,89	3500	82,3						
LSM10/225	50	225	165	380	325,0	0,89	2930	86,7		2x35	2x35		1735	398
	60			460	290,0	0,89	3500	80,2						
LSM10/250	50	250	185	380	365,0	0,90	2930	85,6		2x35	2x35		1885	438
	60			460	315,0	0,90	3500	81,9						

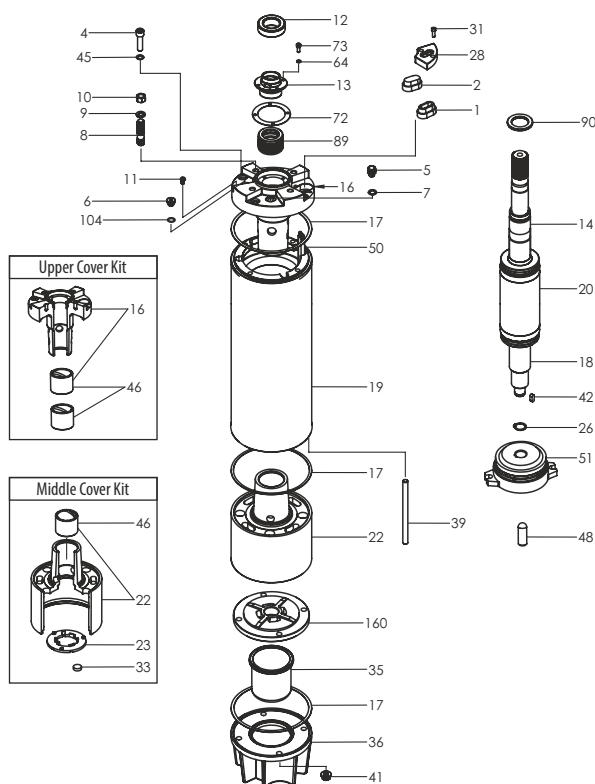
TECHNICAL SPECIFICATIONS	
Motor Pump Connection Standard	NEMA 8"
Motor Protection Class	IP68
Motor Isolation Class	Y
Nominal Working Frequency and Voltage	50Hz / 380V 60Hz / 460V
Max. Working Voltage Tolerance	±%10
Max. Working Temperature	50°C
Max. Working Start Per Hour	10
Installation Type	Vertical / Horizontal (With the help of cooling Jacket)
Maximum Thrust Load	65kN

MATERIALS	
Rotor Shaft	X20Cr13 / AISI420
Rotor Freeze	
Upper Cover	GG25
Middle Cover	
Bottom Cover	
Motor Exterior Body	X5CrNi18-10 / AISI304
Locking	POLYAMID6-6
Mechanical Seal	SiC/SiC
Thrust Bearing	CARBON
Power Cable Insulate	PVC
Winding Wire Insulate	PPC

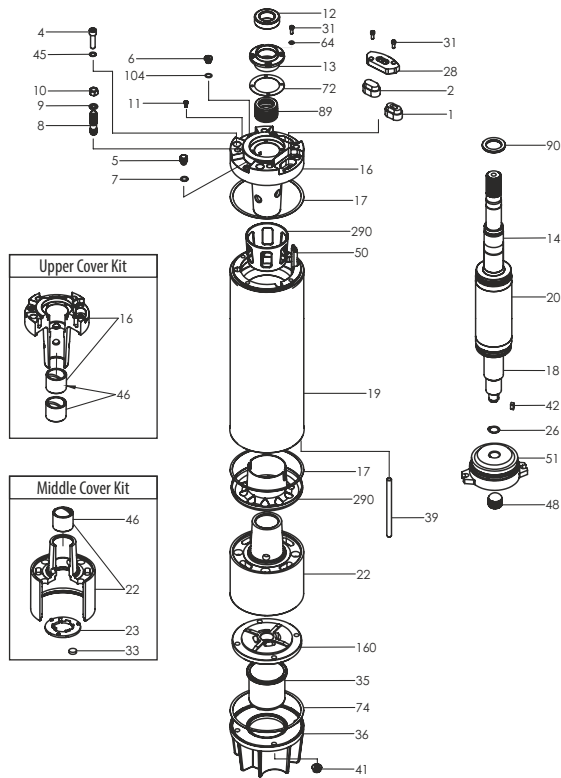


LPM 6"
LPM 6" MOTOR SPARE PART LIST


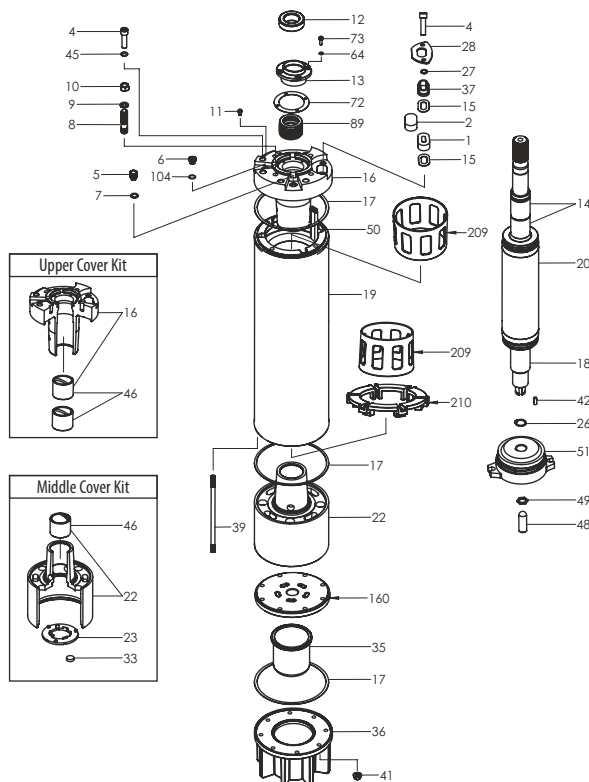
Nr	Parts	Nr	Parts
1	CABLE CLAMPING GASKET	35	MEMBRANE/DIAPHRAGM RUBBER
2	FILLED CABLE CLAMPING GASKET	36	LOWER/DIAPHRAGM COVER
3	CABLE CLAMPING RING	39	LOWER CONNECTION STUD
4	IMBUS BOLT	41	FLANGED NUT
5	VALVE	42	FEATHER KEY
6	CHECK VALVE	45	COPPER WASHER
7	COPPER WASHER	46	RADIAL BUSH
8	WASHER	48	ADJUSTMENT SCREW
9	NUT	49	ADJSUTMENT NUT
10	PUMP CONNECTION STUD	50	POWER CABLE
11	GROUNDING SCREW	51	THRUST BEARING
12	SAND GUARD RUBBER	64	WASHER
13	SAND GUARD PART	72	KLINGERIT GASKET
16	BUSHED UPPER COVER	73	IMBUS BOLT
17	KLINGERIT GASKET	74	KLINGERIT GASKET
19	STATOR	89	MECHANICAL SEAL
20	ROTOR	90	PLASTIC RING
22	BUSHED MIDDLE COVER	104	KLINGERIT GASKET
23	FIBER BEARING	160	ADJUSTMENT COVER
26	CIRCLIP		

LPM 7"
LPM 6" MOTOR SPARE PART LIST


Nr	Parts	Nr	Parts
1	CABLE CLAMPING SILICONE	28	CABLE CLAMPING PLASTIC
2	FILLED CABLE CLAMPING SILICONE	31	IMBUS BOLT
4	IMBUS BOLT	33	MAGNET
5	VALVE	35	MEMBRANE/DIAPHRAGM RUBBER
6	CHECK VALVE	36	LOWER/DIAPHRAGM COVER
7	COPPER WASHER	39	LOWER CONNECTION STUD
8	PUMP CONNECTION STUD	41	FLANGED NUT
9	WASHER	42	FEATHER KEY
10	NUT	45	COPPER WASHER
11	GROUNDING SCREW	46	RADIAL BUSH
12	SAND GUARD RUBBER	48	ADJUSTMENT SCREW
13	SAND GUARD PART	50	POWER CABLE
14	COLLECTOR BUSH	51	THRUST BEARING
16	BUSHED UPPER COVER	64	WASHER
17	KLINGERIT GASKET	72	KLINGERIT GASKET
18	COLLECTOR BUSH	89	MECHANICAL SEAL
19	STATOR	90	SPACER RING
20	ROTOR	104	O-RING
22	BUSHED MIDDLE COVER	160	ADJUSTMENT COVER
23	FIBER BEARING	290	UPPER CABLE GUARD PLASTIC
26	CIRCLIP	291	LOWER CABLE GUARD PLASTIC

LPM 8"
LPM 8" MOTOR SPARE PART LIST


Nr	Parts	Nr	Parts
1	CABLE CLAMPING SILICONE	28	CABLE CLAMPING PLASTIC
2	FILLED CABLE CLAMPING SILICONE	31	IMBUS BOLT
4	IMBUS BOLT	33	MAGNET
5	VALVE	35	MEMBRANE/DIAPHRAGM RUBBER
6	CHECK VALVE	36	LOWER/DIAPHRAGM COVER
7	COPPER WASHER	39	LOWER CONNECTION STUD
8	PUMP CONNECTION STUD	41	FLANGED NUT
9	WASHER	42	FEATHER KEY
10	NUT	45	COPPER WASHER
11	GROUNDING SCREW	46	RADIAL BUSH
12	SAND GUARD RUBBER	48	ADJUSTMENT SCREW
13	SAND GUARD PART	50	POWER CABLE
14	COLLECTOR BUSH	51	THRUST BEARING
16	BUSHED UPPER COVER	64	WASHER
17	KLINGERIT GASKET	72	KLINGERIT GASKET
18	COLLECTOR BUSH	73	IMBUS BOLT
19	STATOR	89	MECHANICAL SEAL
20	ROTOR	90	SPACER RING
22	BUSHED MIDDLE COVER	104	O-RING
23	FIBER BEARING	160	ADJUSTMENT COVER
26	CIRCLIP		

LPM 10"
LPM 8" MOTOR SPARE PART LIST


Nr	Parts	Nr	Parts
1	FILLED CABLE CLAMPING SILICONE	28	CABLE CLAMPING FLANGE
2	CABLE CLAMPING SILICONE	33	MAGNET
4	IMBUS BOLT	35	MEMBRANE/DIAPHRAGM RUBBER
5	VALVE	36	LOWER/DIAPHRAGM COVER
6	CHECK VALVE	37	SILICONE CLAMPING PLASTIC
7	COPPER WASHER	39	LOWER CONNECTION STUD
8	PUMP CONNECTION STUD	41	FLANGED NUT
9	WASHER	42	FEATHER KEY
10	NUT	45	COPPER WASHER
11	GROUNDING SCREW	46	RADIAL BUSH
12	SAND GUARD RUBBER	48	ADJUSTMENT SCREW
13	SAND GUARD PART	49	ADJUSTMENT NUT
14	COLLECTOR BUSH	50	POWER CABLE
15	CABLE CLAMPING WASHER	51	THRUST BEARING
16	BUSHED UPPER COVER	64	WASHER
17	KLINGERIT GASKET	65	SET SCREW
18	COLLECTOR BUSH	72	KLINGERIT GASKET
19	STATOR	73	IMBUS BOLT
20	ROTOR	89	MECHANICAL SEAL
22	BUSHED MIDDLE COVER	104	O-RING
23	FIBER BEARING	160	ADJUSTMENT COVER
26	CIRCLIP	209	UPPER CABLE GUARD PLASTIC
27	O-RING	210	LOWER CABLE GUARD RUBBER

Notes:

We Provide Pumps and Motors to the whole World...

With its wide product range in water technologies, especially submersible pumps and motors, Letra A.S. exports to every part of the world. We are always at your disposal with our experienced sales team and with our partnerships in many countries, especially the Middle East, North Africa and Europe.



Please Visit Our Website and Contact Us:
www.letrawater.com

**LETRA WATER TECHNOLOGIES & ENGINEERING CO.**

Mansuroglu Mahallesi 286/1 Sokak Ontan Plaza N:106
Bayrakli, Izmir / TURKEY

☎ +90 532 257 1448

✉ info@letrawater.com

www.letrawater.com

Pump Systems Project Engineering & Consulting
Water Technologies Product Supply
International Trading