



**LSM 4"**

**DEEP WELL 4" SUBMERSIBLE MOTORS**

**OIL FILLED**



**PRODUCT CATALOGUE**



## About Letra Co.

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

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**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

**Today, the importance of energy consumption is increasing day by day. It is now much more important to consider the operating costs, investment costs and evaluate the lifetime cost of the pump plants.**

Our 4-inch submersible motors are of superior quality and meet global standards. The motors have NEMA-standard connections and are composed of AISI 304 stainless steel, which ensures durability and longevity. Additionally, our motors are oil-lubricated and cooled, which further enhances their performance and ensuring that they are durable and long-lasting without the need for regular maintenance.

The perfect remedy for water supply is offered by this solution.

**For users seeking an efficient and economical water supply solution, our 4" submersible motors offer trouble-free installation, long-lasting operation, and minimal maintenance requirements.**



### APPLICATIONS:

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

### GENERAL FEATURES:

- High efficiency, long life
- Low operating cost
- Oil cooled system
- NEMA standards
- Stainless body and shaft
- Allowable Maximum Sand Content 50g / m<sup>3</sup>
- Ready to use with solar systems
- Easy installation and service

### TECHNICAL FEATURES:

Dimensions	4"
Voltage	220/380/460V (±%10)
Frequency	50 / 60Hz
Power	0.37kW - 7.5kW
Max. Water Temperature	30°C
Working Position	Vertical / Horizontal
Direction of Rotation	CW / CCW
Protection/Insulation Class	IP68 / F

### MATERIALS

Motor external casing	AISI 304
Top chock	Cast-Cu / Cast Iron / AISI304
Bottom support	AISI 304
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 - ASTM 5140

## PRODUCT CODE SYSTEM

**LSM 4 / 2 T**

Letra Submersible Motor

Nominal Diameter (inch)

Phase Type (M:1ph, T:3ph )

Motor Power (HP)

**SINGLE PHASE (1PH) - 4" SUBMERSIBLE MOTOR**

Type	Power		n ≈ 2850 r/min				Dimensions	
			Voltage	Phase	In	COSØ	Length	Weight
	kW	HP			A		mm	Kg
LSM4/0,33M	0,25	0,33	220-240V	1 Ph	3	0,86	403	7,5
LSM4/0,5M	0,37	0,5			3,6	0,88	415	8,0
LSM4/0,75M	0,55	0,75			4,8	0,89	425	8,5
LSM4/1M	0,75	1			6,3	0,9	445	9,4
LSM4/1,25M	0,92	1,25			6,6	0,93	465	10,3
LSM4/1,5M	1,1	1,5			8,6	0,9	485	11,2
LSM4/1,75M	1,3	1,75			9	0,93	495	11,6
LSM4/2M	1,5	2			10,6	0,94	505	12,2
LSM4/2,5M	1,8	2,5			13	0,93	535	14,3
LSM4/3M	2,2	3			14	0,96	550	15,4
LSM4/3,5M	2,6	3,5			11,3	0,93	585	17,8


**PARTS & MATERIALS**

Components	Material
Motor External Casing	AISI 304 SS
Top Chock	1- Cast-Cu ASTM C85500 2- Cast-Iron ASTM No.30 3- AISI 304 SS
Bottom Support	AISI 304 SS
Mechanical Seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal Lubricant Oil	Oil for food machinery and pharmaceutical use.

**OPERATING CONDITIONS**

**Speed** : 2850 rpm  
**Insulation class** : F  
**Protection grade** : IP 68  
**Max. fluid temp** : up to +30°C  
**Min. well diameter** : 4"  
**All. Sand Content** : 50g /m³

**FEATURES:**

- \* Oil cooled system
- \* NEMA connection standards
- \* Single-phase: 220-240V/50Hz (Optional 60 hz)
- \* Equip with start control box or digital auto-control box
- \* Ready to use with solar systems
- \* High efficiency, low operating cost, long life

**THREE PHASE (3PH) - 4" SUBMERSIBLE MOTOR**

Type	Power		n ≈ 2850 r/min				Dimensions	
			Voltage	Phase	In	COSØ	Length	Weight
	kW	HP	V (Volt)		A		mm	Kg
LSM4/0,33T	0,25	0,33	380-415V	3 Ph	1	0,75	395	7,2
LSM4/0,5T	0,37	0,5			1,4	0,75	415	8,1
LSM4/0,75T	0,55	0,75			1,7	0,8	425	8,6
LSM4/1T	0,75	1			2,2	0,81	445	9,3
LSM4/1,5T	1,1	1,5			3	0,82	485	11,1
LSM4/2T	1,5	2			3,9	0,82	505	11,5
LSM4/3T	2,2	3			5,6	0,83	590	14,9
LSM4/4T	3	4			7,3	0,83	615	16,0
LSM4/5,5T	4	5,5			10,3	0,83	705	21,4
LSM4/7,5T	5,5	7,5			13	0,85	750	24,1
LSM4/10T	7,5	10			17,6	0,85	800	25,9


**PARTS & MATERIALS**

Components	Material
Motor External Casing	AISI 304 SS
Top Chock	1- Cast-Cu ASTM C85500
	2- Cast-Iron ASTM No.30
	3- AISI 304 SS
Bottom Support	AISI 304 SS
Mechanical Seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal Lubricant Oil	Oil for food machinery and pharmaceutical use.

**OPERATING CONDITIONS**

**Speed** : 2850 rpm  
**Insulation class** : F  
**Protection grade** : IP 68  
**Max. fluid temp** : up to +30°C  
**Min. well diameter** : 4"  
**All. Sand Content** : 50g /m³

**FEATURES:**

- \* Oil cooled system
- \* NEMA connection standards
- \* Three-phase: 380-415V/50Hz (Optional 60 hz )
- \* Equip with start control box or digital auto-control box
- \* Ready to use with solar systems
- \* High efficiency, low operating cost, long life

## 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](http://www.letrawater.com)**



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