

LSFA FAN MOTORS FOR FURNACES AND OVENS

The construction of **LEROY-SOMER LSFA** fan motors has been designed to ensure an increased service life in extreme operating conditions :

- **Internal oven temperatures up to 750°C**
- **Heat conducted to the motor and components through the shaft, particularly bearings and windings**
- **High ambient temperature depending on application**



RELIABILITY

Using **LSFA** motors fitted with a heat sink considerably reduces machine down time, improving manufacturing productivity and reducing maintenance costs.

ECONOMICAL INSTALLATION

Due to their design, **LSFA** customised motors can be fitted directly to the wall of the furnace. This technology removes the constraints of an external ventilation system : couplings, air vents, belts, mountings, ...

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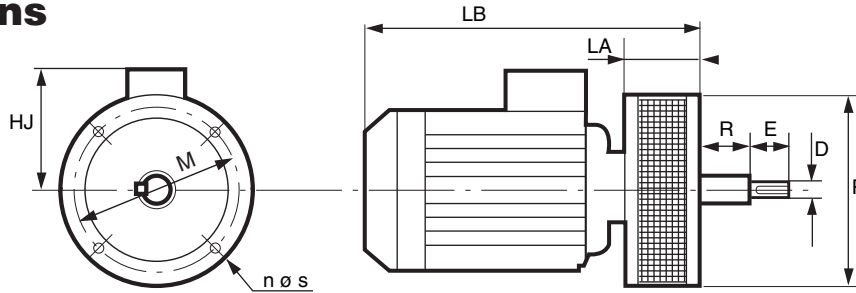
• Technical characteristics

Asynchronous three phase motors - S1 Service Duty - IP 55 *

Power : 0.55 kW to 15 kW - **Frame size** : 80 to 160 mm

Polarity : 2, 4, 6 and 8 poles - 2 speeds

• Dimensions

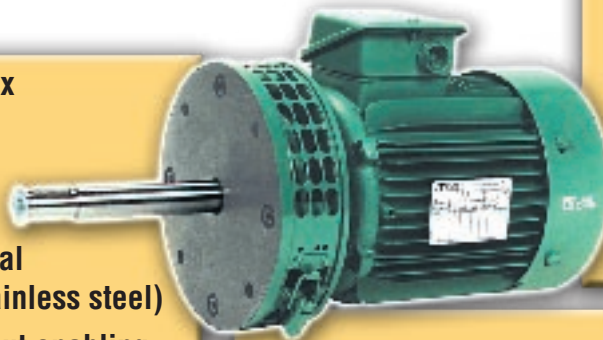


TYPE	Dimensions (in millimeters)									
	M	P	n ø	s	LA	LB	HJ	E**	D**	R
LS 80 L	165	200	4	12	80	295	127	40	19 j6	On customer request
LS 80 LU	165	200	4	12	80	347	127	40	19 j6	
LS 90 S	165	200	4	12	80	303	137	50	24 j6	
LS 90 L/SL	165	200	4	12	80	330	137	50	24 j6	
LS 90 LU	165	200	4	12	80	350	137	50	24 j6	
LS 100L	215	250	4	15	82	372	142	60	28 j6	
LS 112 M	215	250	4	15	82	372	142	60	28 j6	
LS 112 MG	215	250	4	15	82	397	151	60	28 j6	
LS 132 S	265	300	4	15	84	434	151	80	38 k6	
LS 132 SM/M	265	300	4	15	84	471	175	80	38 k6	
LS 132 MU	265	300	4	15	84	494	175	80	38 k6	
LS 160 MP	300	350	4	19	85	553	208	110	42 k6	
LS 160 LR	300	350	4	19	85	580	208	110	42 k6	

* 1Ph and 3Ph motors from 0.16 to 0.9 kW - IP 00 : on request

** Other dimensions on request

- Metallic terminal box
- Special motor shaft dimensions on customer request
- Special shaft material (steel, refractory stainless steel)
- Special flange without enabling direct fitting to the wall of the furnace



- Aluminium heat sink
- Protection grill

- Special winding depending on operating conditions (ambient temperature, temperature at the motor shaft...)
- Special high temperature bearings