

# FAN MOTORS FOR DRYERS

The construction of **LEROY-SOMER** induction motors for dryers has been designed to ensure an increased service life in difficult operating conditions:

- **High ambient temperatures up to 150°C**
- **Relative humidity of 100%**
- **Aggressive vapours.**



## **REDUCED, SIMPLIFIED MAINTENANCE:**

The choice of stainless components (shaft, screws) makes the motor quick and easy to dismantle

## **FAST CONNECTION TO THE MAINS:**

The brass cable gland, already fitted on the motor terminal box, ensures fast connection

## **ENERGY SAVING:**

The increased efficiency of this range of motors results in reduced electricity consumption.

Ref.: 3621GB - 1.33/a - 04.200

# FAN MOTORS FOR DRYERS

## Technical characteristics:

### General characteristics:

IP 55 construction – foot mounted motor\* – 50 Hz\* – 230/400 V\*

– S1 duty – class H winding

\* other fixing modes, voltages/frequencies available on request.

### 85°C - S1 range:

Aluminium alloy frame, cast iron endshields.

Permanently greased bearings using very high temperature grease

Non-ventilated motors mounted in the air flow.

### 135°C - S1 range:

Aluminium alloy frame, cast iron endshields.

Regreasable bearings, with high temperature grease.

Motors with aluminium fan and metal cover

Motors mounted in the air flow.

### 150°C - S1 range:

Housing and endshields in cast iron.

Regreasable or greased for life bearings with high temperature grease.

Ventilated motors (aluminium fan and metal fan cover) or non ventilated (TENV).

### Power range:

Speed Min <sup>-1</sup>	Rated power <sup>1</sup> kW	Type		
		85°C range	135°C range	150°C range
3000	1.1	-	-	FLSC 90 L
3000	1.5	-	-	FLSC 100 LK
3000	2.2	-	-	FLSC 100 LK
3000	3	-	-	FLSC 112 M
3000	4	-	-	FLSC 112 M
3000	5.5	-	-	FLSC 132 S
3000	7.5	-	-	FLSC 132 M
1500	0.55	-	-	FLSC 90 S
1500	0.75	LS 90 S	LS 90 S	FLSC 90 L
1500	1.1	LS 90 L	LS 90 L	FLSC 100 LK
1500	1.5	LS 90 L	LS 90 L	FLSC 100 LK
1500	2.2	LS 100 L	LS 100 L	FLSC 112 M
1500	3	LS 100 L	LS 100 L	FLSC 112 M
1500	4	LS 112 MG	LS 112 MG	FLSC 132 S
1500	5.5	LS 132 SM	LS 132 SM	FLSC 132 M
1500	7.5	LS 132 M	LS 132 M	-
1500	11	LS 160 MR	LS 160 MR	-
1000	1.5	LS 100 L	LS 100 L	FLSC 132 S
1000	2.2	LS 112 MG	LS 112 MG	FLSC 132 M
1000	3	LS 132 SM	LS 132 SM	FLSC 132 M
1000	4	LS 132 M	LS 132 M	-
1000	5.5	LS 160 LR	LS 160 LR	-

1 - ambient temperature for definition of the rated power ≤40°C - other speeds and powers on request.



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The descriptions cannot in any way be considered contractual.