

New ranges!

LSHT - FLSHT



Asynchronous motors for smoke extraction fans

Several tragic accidents contributed to the creation of a new European standard EN 12 101-3 for smoke extraction systems. This applies to smoke extraction systems in different types of construction for example, underground car parks, road or rail tunnels, public buildings...

LERROY-SOMER, a pioneer in this field, designs, manufactures and sells motor ranges conforming to this new EN 12 101-3 standard.

These motors, which benefit from a very specific design, are able to withstand **temperatures up to 400 °C for a period of more than 2 hours**. The main characteristics are as follows:

◆ State-of-the-art LERROY-SOMER technology

These high-tech motors are able to withstand very high temperatures due to their customised windings, reinforced insulation, special bearings, lubricants, paints and finishes suitable for the harshest conditions of use.

◆ Safety

With its long experience in all areas of smoke extraction, **LEROY-SOMER** has obtained official approval from European notified Laboratories for all its ranges of motors, conforming to the European standards and regulations in force.

◆ Performance and adaptability

Installed either inside or outside the air flow, these special motors are used to drive all types of smoke extraction fans (helical, axial, centrifugal, radial, etc).

In the standard version, they are manufactured non-ventilated, with flying leads. However, numerous certified options are also possible: ventilated, terminal box, etc.

◆ Interchangeability

The installation dimensions for these ranges conform to IEC 60072-1 standard.

◆ Wide range

LEROY-SOMER smoke extraction motors range **from 0.25 to 500 kW** with single- or multi-speed versions, or with variable speed.

The 5 ranges :

**200 °C 120 min - 250 °C 120 min - 300 °C 60 min,
300 °C 120 min - 400 °C 120 min,**

are built with housings in aluminium alloy for **LSHT** ranges or cast iron for **FLSHT** ranges, perfectly meeting the market requirements.