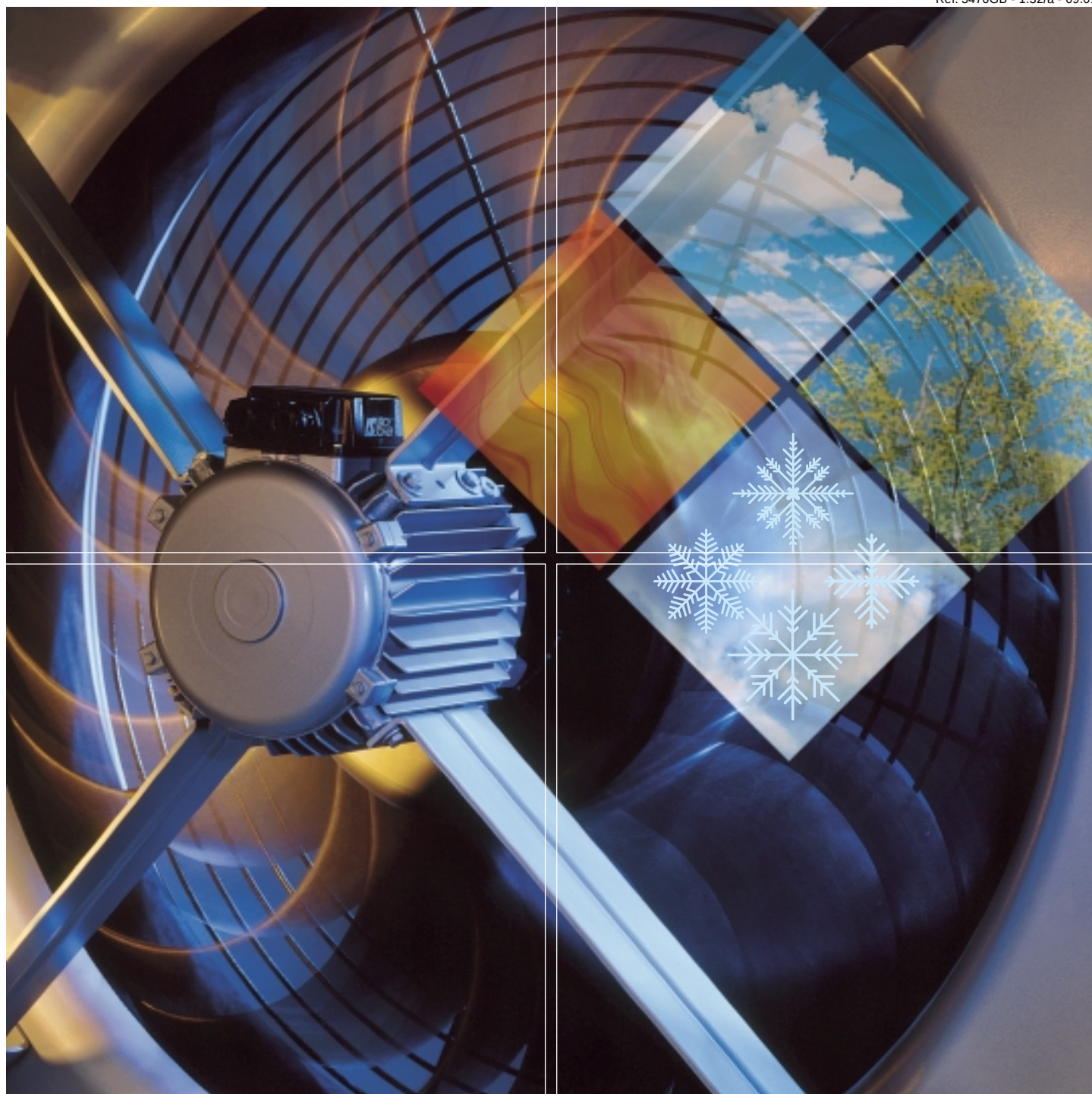




**Motors
for heating, ventilation, air conditioning**

A LEROY-SOMER SOLUTION....

HEATING

Air heaters, etc



- **HE** compact motors for axial fans
Ventilated by the air flow
0.06 to 0.75 kW
- **LS, FLS, LSES, FLSES** motors
Complying with standard IEC 34.1,
high-efficiency Eff2, Eff1
- **CF/CM** pad mounting motors

AIR TREATMENT

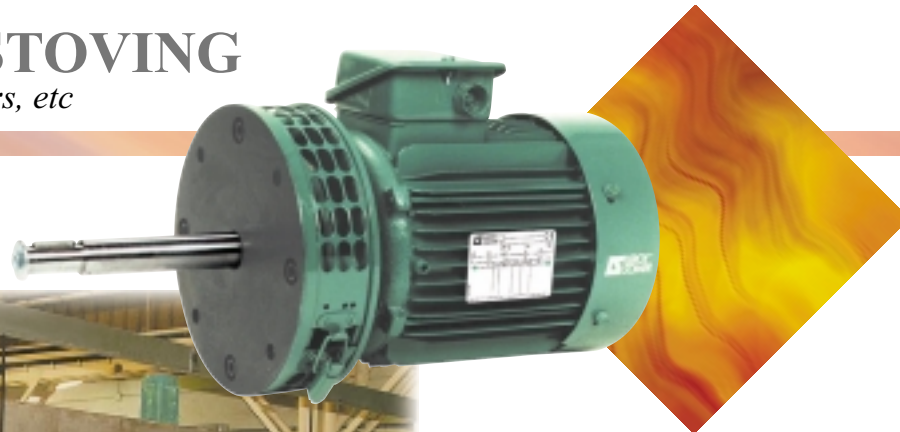
Chambers, Extraction towers, etc



- **LS, FLS, LSES, FLSES** motors
Complying with standard IEC 34.1,
high-efficiency Eff2, Eff1
Aluminium or cast iron frame
Ventilated or non-ventilated
Single-speed or multi-speed
Optional thermal protections
0.09 to 750 kW

DRYING and STOVING

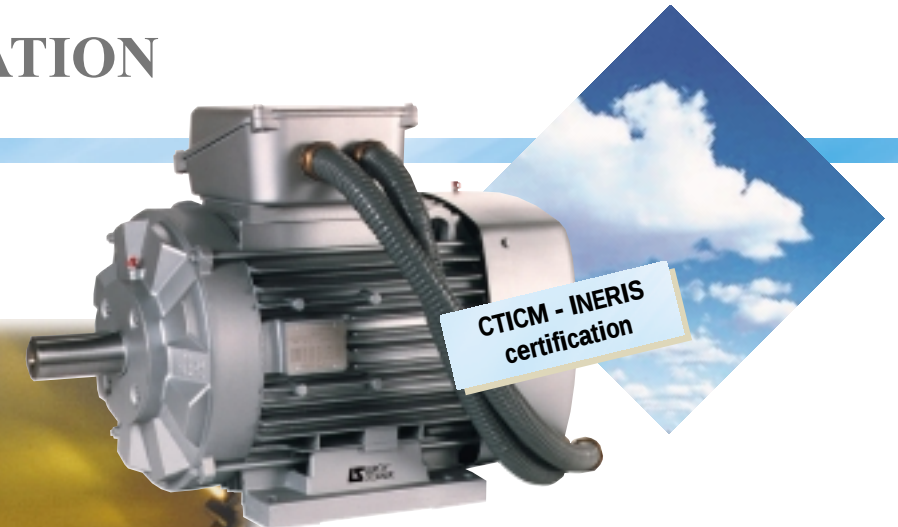
Ovens, Drying ovens, Dryers, etc



- **LS** high-temperature motors for ovens
Fitted with heat shields
Mounted outside the oven
0.12 to 15 kW
- **LS** high-temperature motors for dryers or drying ovens
Mounted inside the oven
Aluminium or cast iron frame
Ambient temperature from 85 to 150°C

SAFETY VENTILATION

Fires, Explosive atmospheres, etc

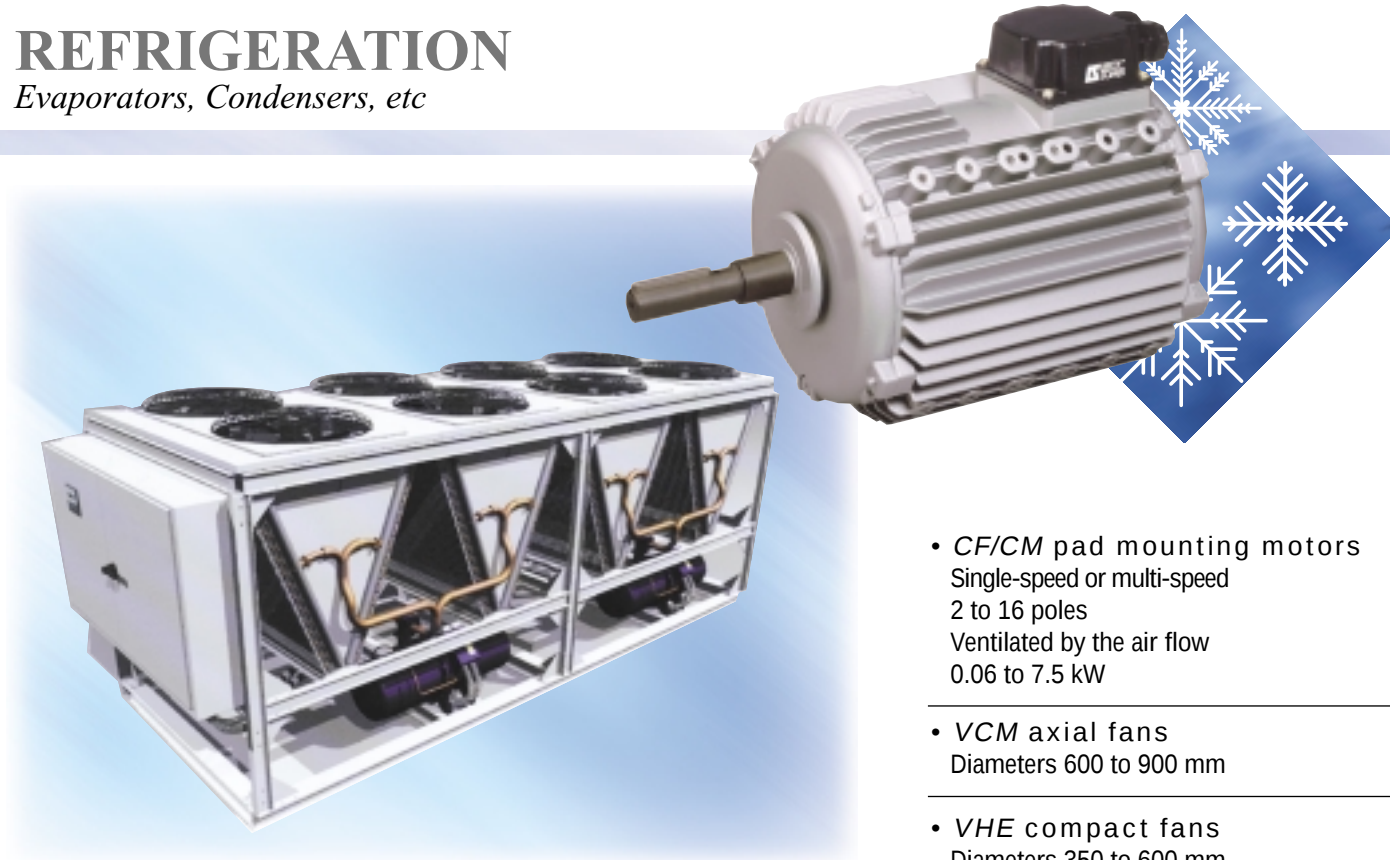


- **HTA / HTF** motors for smoke extraction
From 200 to 600 °C, 30 to 120 minutes
0.75 to 400 kW
- **LSPX, LSPX-FAP, FLSPX** motors for dusty explosive atmospheres
- **LSE, FLSD, FLSN** motors for gaseous explosive atmospheres

FOR EVERY APPLICATION

REFRIGERATION

Evaporators, Condensers, etc



- **CF/CM pad mounting motors**
Single-speed or multi-speed
2 to 16 poles
Ventilated by the air flow
0.06 to 7.5 kW
- **VCM axial fans**
Diameters 600 to 900 mm
- **VHE compact fans**
Diameters 350 to 600 mm

MOBILE REFRIGERATION UNITS

Buses, Trucks, Containers, Trains, etc



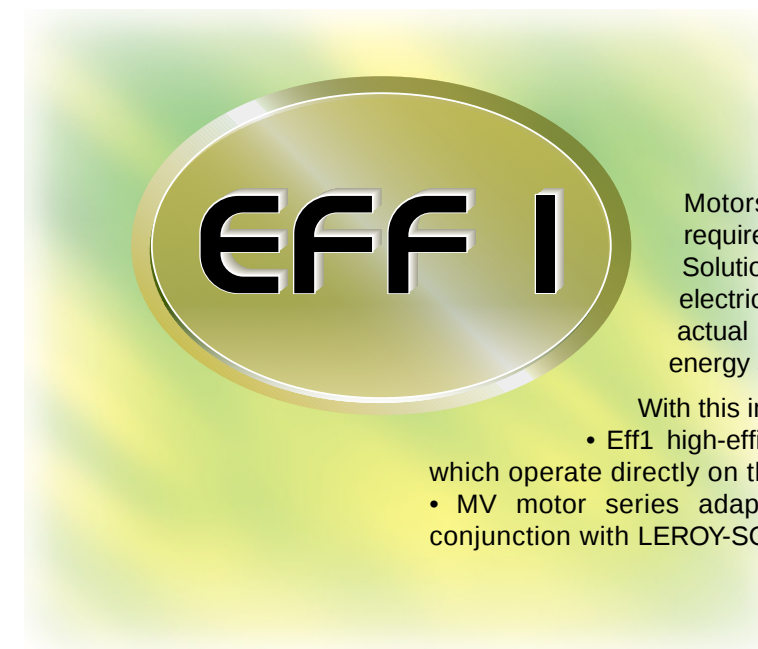
- **MBT D.C. motors**
for truck and bus refrigeration
12 or 24 V battery power supply
- **FE motors** with encapsulated winding
for rail applications
- **CF/CM pad mounting motors**
for condensers and evaporators

VARIABLE SPEED

LEROY-SOMER offers a complete range of frequency inverters for regulating flow, pressure or temperature, reducing operating costs, optimising processes, etc. These drives protect the system, control acceleration and deceleration phases, detect clogging and prevent mechanical breakdown, etc.



ENERGY SAVING PROTECTING THE ENVIRONMENT



Motors consume nearly 70% of industry's requirement for electrical energy. Solutions which are able to reduce and adapt the electricity consumption of installations to users' actual needs are essential in order to make real energy savings.

With this in mind, LEROY-SOMER offers:

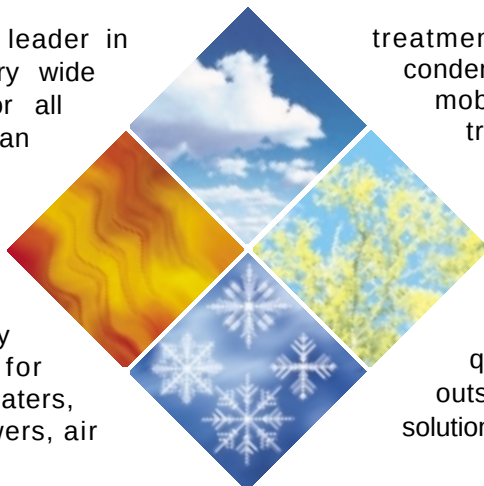
- Eff1 high-efficiency motors, in aluminium or cast iron, which operate directly on the mains.
- MV motor series adapted for variable speed applications, in conjunction with LEROY-SOMER frequency inverters.

STRENGTH OF OUR KNOW-HOW

Motors for centrifugal and axial fans

LEROY-SOMER, the world leader in drive systems, offers a very wide range of electric motors for all centrifugal and axial fan applications.

From standard motors to special motors with fixed or variable speeds, LEROY-SOMER designs solutions sought after by specialist manufacturers for applications such as air heaters, ovens, dryers, extraction towers, air



treatment chambers, evaporators and condensers for refrigeration (static and mobile), filters, pneumatic transports, etc.

Ventilation is no simple art, but LEROY-SOMER engineers are familiar with both the techniques and the language of this domain.

As a result, your needs are quickly understood from the outset of the project and optimised solutions are put forward.

LEROY-SOMER ventilation laboratory AMCA* chamber



LEROY-SOMER has worked in partnership with customers over a long period of time to optimise the combined motor and fan. In ventilation applications, the motor is actually cooled directly by the fan it is driving. The **AMCA** chamber is used to characterise the air movement

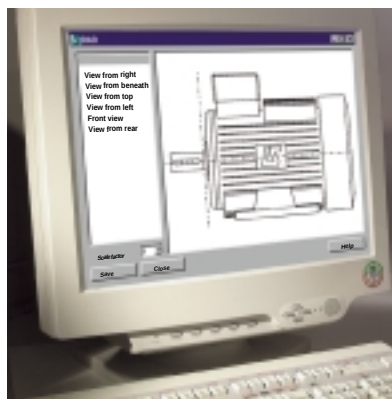
(flow/pressure curve) and acoustic performance for fans with flows of up to 30,000m³/hr, ie. equivalent to axial fans with a diameter of 900 mm.

It can also be used to simulate the actual motor load in order to optimise it.

* Air Movement and Control Association

STRENGTH OF OUR SERVICE

CHOICE OF SELECTION TOOLS



Technical catalogues

Detailed information on selection, construction, and operation

Catalogue for Industry

Selecting motors on short delivery: Guaranteed Availability



Internet site
www.leroy-somer.com

CD Rom Configurator

- Automatic product selection, in any of six European languages
- Printing of a technical specification with dimensional diagrams
- Automatic generation of a DXF file of the six view diagrams of the selected motor

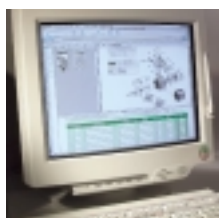


CHOICE OF DELIVERY TIMES

- For Guaranteed Availability products: 24 hours
- For products from Fast Assembly Centre: 48 hours
- For Rush products: 12 working days
- For other products: possibility of a customer-specific delivery charter



COMPREHENSIVE REPAIR SERVICE



Our Integrated Spares Service is a comprehensive system which can supply you with design office approved spare parts kits, or train your staff in repair techniques.

LEROY-SOMER helps you prepare for the unexpected, offering emergency repair kits so that repairs can be carried out 24 hours a day, 7 days a week.



WORLDWIDE PRESENCE

470 Sales and Service points

