

# PRODUCT RANGE

*All Industrial Applications*  
Screw, Reciprocating, Scroll, Centrifugal



## HIGH LEVELS OF EFFICIENCY, POWER FACTOR AND SPEED

- ▶ Compatible with various refrigerants and oils (R22, R134a, R407c, R410a, ...)
- ▶ Starting modes: Star-Delta, Part Winding Start, Double Delta, ...
- ▶ Voltage and frequency range: 200 to 690 V, 50 or 60 Hz
- ▶ Special wire types: Daglass, Kapton, Peek, ...
- ▶ Variable Speed Design available

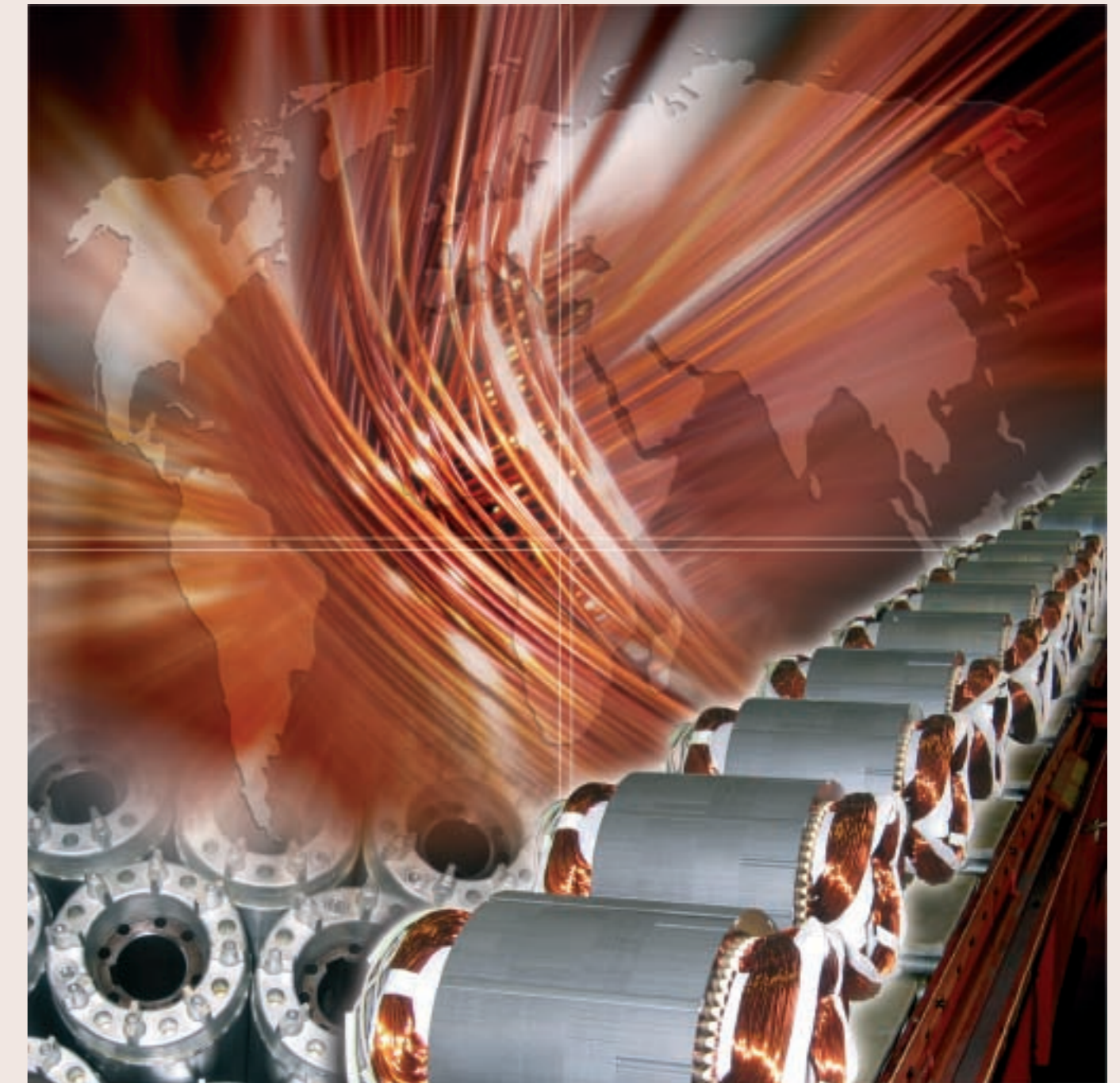
### 4-Pole stator/rotor range Reciprocating compressors

Frame size	External diameter in mm	Power in HP at 50 Hz
102	260	40 - 70
105	268	40 - 80
124	314	60 - 140
156	395	80 - 240

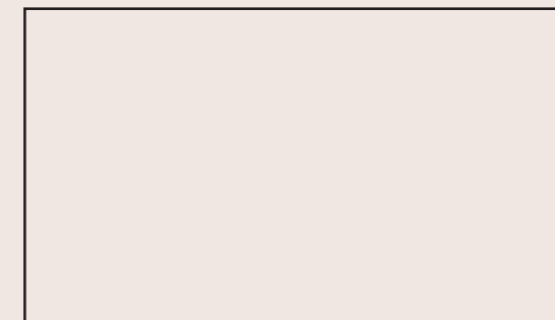
HIGH EFFICIENCY DESIGN

### 2-Pole stator/rotor range Scroll, screw and centrifugal compressors

Frame size	External diameter in mm	Power in HP at 50 Hz
88	223	20 - 60
101	257	40 - 120
108	273	40 - 160
124	314	70 - 210
140	355	130 - 350
156	395	250 - 450



**MOTORS FOR HERMETIC  
& SEMI-HERMETIC  
COMPRESSORS**



MOTEURS LEROY-SOMER 16015 ANGOULÊME CEDEX - FRANCE

338 567 258 RCS ANGOULÊME  
S.A. au capital de 62 779 000 €

[www.leroy-somer.com](http://www.leroy-somer.com)



# EXPERTISE IN MOTORS FOR COMPRESSORS

## ■ A global organisation

With almost a century's experience in the design and manufacture of rotating machines, Leroy-Somer, with its 8000 employees, has become one of the main companies in the production of electric motors suitable for the requirements of the world's industrial markets.

The company has a strong commercial presence worldwide, with 470 sales and service points.

To be ready to respond to the demands of its customers throughout the world, and provide solutions under the best technical and economic conditions, Leroy-Somer's industrial organisation covers all 5 continents.



## ■ Recognised expertise

With 40 years' experience in the manufacture of motors for hermetic and semi-hermetic compressors, Leroy-Somer has established itself as a world leader. Its recognised expertise and numerous success stories make Leroy-Somer a reference on this market.

Our skills in motors and the expertise acquired through partnerships enable us to provide solutions adapted to HVAC & R world.



## ■ Technical solutions for your application



Leroy-Somer range is totally dedicated to Screw, Scroll, Reciprocating and Centrifugal compressors.

Our knowledge in various applications and our ability to design customised products enables us to provide a complete answer to customer requirements.

As a result of continuous close collaboration, the dedicated technical departments take each customer specific requirements into account to provide a one to one solution.



## ■ Optimised processes

Every year, Leroy-Somer invests in key steps production tools, such as lamination stamping, winding and foundry.

The company bases its approach on a constant development of its industrial facilities, and structures all the production management around innovative methods as LEAN MANUFACTURING, VSM, HOSHIN, ...

Thanks to this impressive industrial organisation, Leroy-Somer ensures its customers have high quality and reliable products.



## ■ A high performance, reliable product

The choice of highly reliable copper wires, low magnetic losses laminations and optimised design ensures Leroy-Somer products provide high levels in terms of speed, power factor and efficiency. Result is a compressor with increased performance levels and improved cooling capacity.

Product certification, granted by independent professional bodies, recognizes the high standards of the company's quality assurance procedures.

The entire range has been approved by Underwriters Laboratories Inc.

Every component or process modification is qualified by a Plug Reversal Test from 350,000 cycles up to 500,000 cycles.

