



## Motors & Drives for Industrial Refrigeration

High efficiency solutions improving your COP

**LEROY-SOMER**<sup>™</sup>

***Nidec***  
— All for dreams

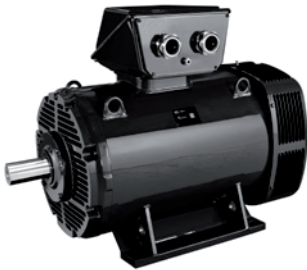
Industrial refrigeration is a key element in numerous sectors such as food processing, chemicals, pharmaceuticals and superconducting magnets. Nidec Leroy-Somer offers environmentally-friendly solutions which can significantly reduce energy consumption, with high-efficiency motors combining reluctance and permanent magnets and **IMfinity**® IE2/IE3/IE4 induction motor solutions using variable speed drives. Our technological expertise and experience working with equipment manufacturers (compressors, condensers, evaporators, etc.) has led to significant improvements in the COP\* (typically 15 %), seasonal performance (SEER) and reduction in energy bills (up to 35 %).

\* Coefficient of Performance

### Motors & Drives for compressors

0.75 to 500 kW

#### Dyneco+



Synchronous motors combining reluctance and permanent magnets

LSHRM / IP55  
FLSHRM / IP55  
PLSHRM / IP23



#### Powerdrive MD2

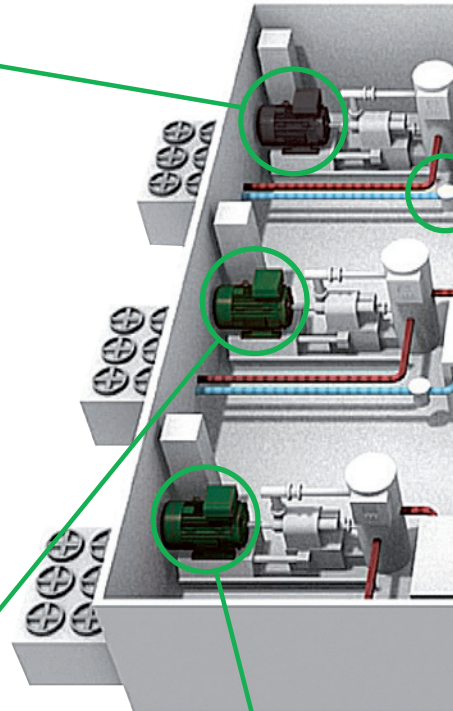


Wall mount or free standing variable speed drive

IP21 - IP54

**Sensorless**

Permanent Magnet Motor Control



### Motors & Drives, Soft-starters for compressors

150 to 1500 kW

#### IMfinity®



High & Premium Efficiency AC induction motors

PLSES / IP23  
LSES - FLSES / IP55



\*\* must be used with variable speed drive in EU

#### IMfinity®



Premium Efficiency liquid cooled AC induction motors

LC / IP55 - IP56



#### Powerdrive

Free standing variable speed drive

IP21 - IP54





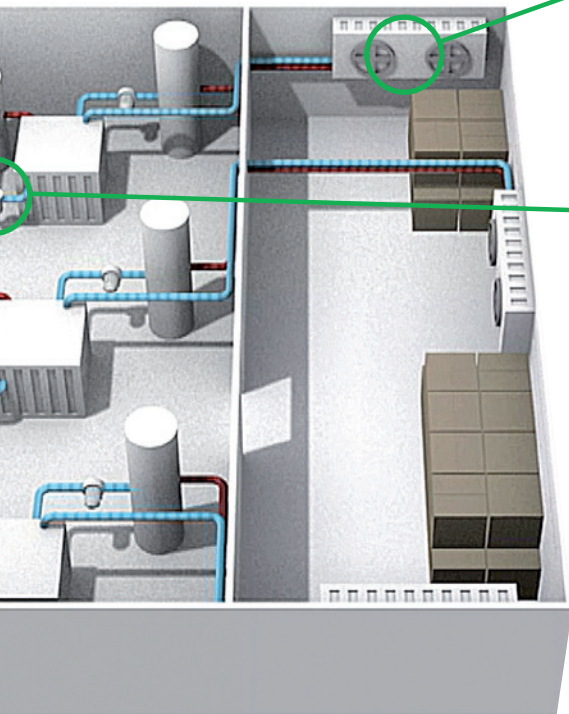
# Industrial refrigeration solutions that improve your COP

LEROY-SOMER™

market distribution.

efficiency **Dyneo+ IE5** synchronous motors  
and energy optimization services.

), end user and system installers guarantees  
(%).



## Motors for evaporators and condensers 0.09 to 7.5 kW - up to 70°C



**HE 29**  
Motors IC418 for axial fan  
mounted on grid, cooled by  
the air flow  
IP55



**CM29 - CM34**  
PAD mounting motors  
for axial fans  
IP55

## Motors & Drives for pumps 0.75 to 85 kW

**Dyneo+**



Synchronous motors  
combining reluctance and  
permanent magnets  
LSHRM / IP55  
FLSHRM / IP55  
PLSHRM / IP23



**Powerdrive F300**



Variable speed drive

**Sensorless**  
Permanent Magnet  
Motor Control ✓

## Variable MD2 cabinet drive



**Digistart D3**  
Soft-starter with integrated  
bypass

## Motors & Drives for cooling towers up to 75 kW - up to 70°C

**IMfinity®**



PAD mounting motors  
(or foot & flange)  
non ventilated in air flow IC418  
LSES - FLSES / IP55



**Powerdrive F300**



Variable speed drive

\*\* must be used with variable speed drive in EU

**LEROY-SOMER**<sup>™</sup>

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

**Connect with us at:**

[twitter.com/Leroy\\_Somer\\_en](https://twitter.com/Leroy_Somer_en)

[facebook.com/leroy-somer.nidec.en](https://facebook.com/leroy-somer.nidec.en)

[youtube.com/user/LeroySomerOfficiel](https://youtube.com/user/LeroySomerOfficiel)

[linkedin.com/company/leroy-somer](https://linkedin.com/company/leroy-somer)



***Nidec***  
All for dreams

© 2020 Moteurs Leroy-Somer SAS. The information contained in this brochure is for guidance only and does not form part of any contract. The accuracy cannot be guaranteed as Moteurs Leroy-Somer SAS have an ongoing process of development and reserve the right to change the specification of their products without notice.

Moteurs Leroy-Somer SAS. Headquarters: Bd Marcellin Leroy, CS 10015, 16915 Angoulême Cedex 9, France. Share Capital: 38,679,664 €, RCS Angoulême 338 567 258.