

## Help with selection



### ► The configurator



The numerous combinations offered by the **COMPABLOC**, **ORTHOLOC** and **MANUBLOC** series are covered in detail in the technical catalogues. The configurator can be used to choose the most suitable product and provides the technical specifications and corresponding drawings.

- Help with product selection
- Print-outs of technical specifications
- Print-outs of 2D and 3D CAD files
- The equivalent of 300 catalogues in 10 languages

### ► Product availability



In order to be able both to respond to urgent requests and adhere to promised customer lead times, LEROY-SOMER has put in place a powerful logistics system covering the whole of Europe.

The availability of products in the 3000 range is ensured by the network of European subsidiaries, assembly centres and LEROY-SOMER central services all working together.

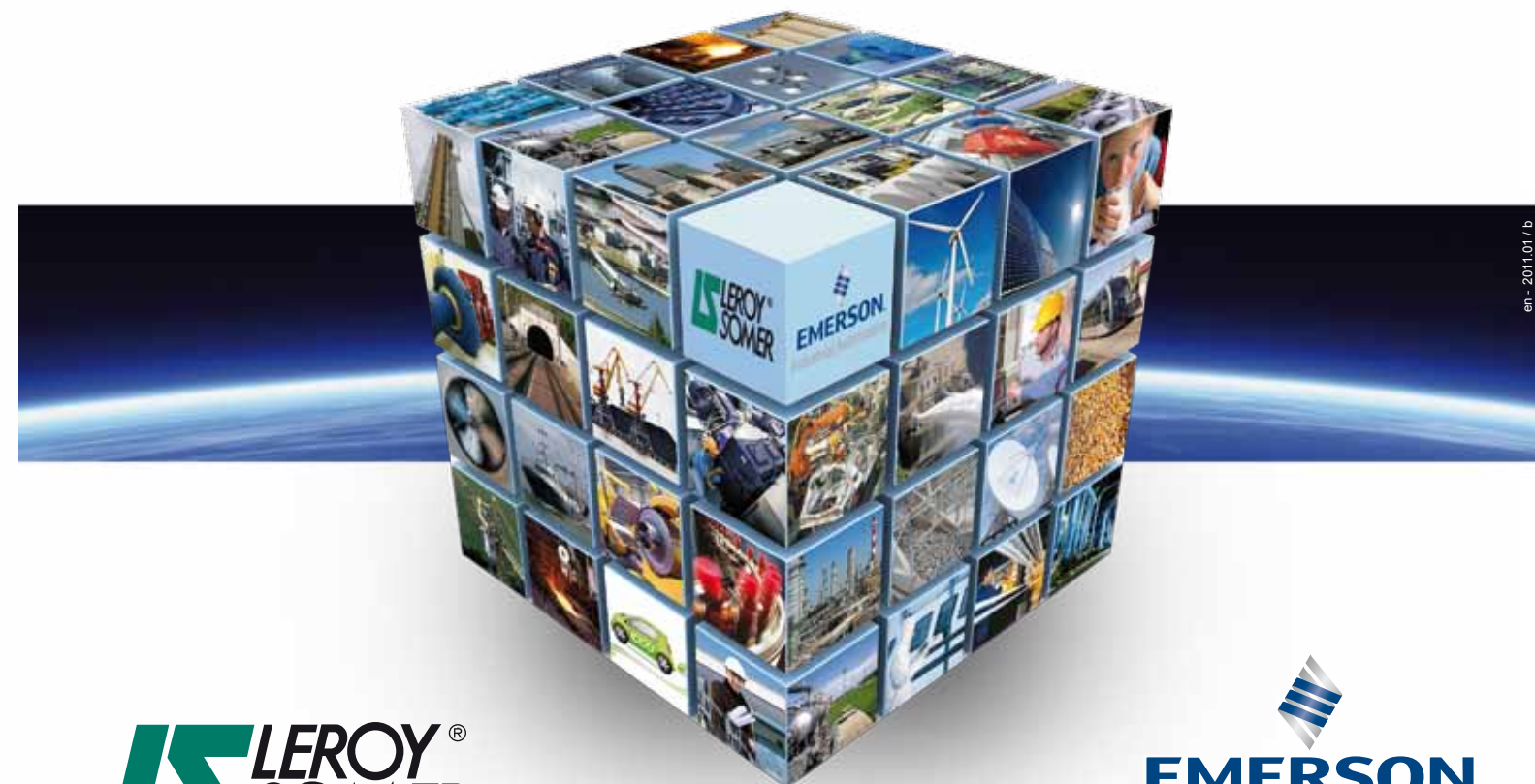
This unique organization enables us to adapt quickly to variations in lead times requested by customers.



# International network

www.leroy-somer.com

<b>ALGERIA</b> LEROY-SOMER International Division	<b>GREECE</b> LEROY-SOMER Ltd	<b>SOUTH AFRICA</b> LEROY-SOMER PTY LTD
<b>AUSTRALIA</b> LEROY-SOMER PTY LTD	<b>HUNGARY</b> LEROY-SOMER I.M.I.	<b>SPAIN</b> LEROY-SOMER IBERICA S.A.
<b>AUSTRIA</b> LEROY-SOMER ELEKTROMOTOREN	<b>INDIA</b> LEROY-SOMER C/O EMERSON ELECTRIC CO.	<b>SWEDEN</b> LEROY-SOMER NORDEN AB
<b>BELGIUM</b> LEROY-SOMER BELGIUM	<b>ITALIA</b> LEROY-SOMER SPA	<b>SWITZERLAND</b> LEROY-SOMER SA
<b>BRAZIL</b> LEROY-SOMER DIVISION EMERSON ELECTRIC DO BRASIL Ltda.	<b>JAPAN</b> LEROY-SOMER DIVISION EMERSON Japan Ltd.	<b>TAIWAN</b> LEROY-SOMER LIAISON OFFICE
<b>CANADA</b> LEROY-SOMER / EMC	<b>KOREA</b> EMERSON ELECTRIC KOREA	<b>THAILAND</b> LEROY-SOMER THAILAND
<b>CHINA</b> LEROY-SOMER Division	<b>MOROCCO</b> CARREFOUR INDUSTRIEL ET TECHNOLOGIQUE	<b>TUNISIA</b> ULYSSE SPARE PARTS
<b>CROATIA</b> Emerson Network Power Ltd	<b>NETHERLANDS</b> LEROY-SOMER NEDERLAND B.V	<b>TURKEY</b> ELEKTROMEKANIK SISTEMLER
<b>CZECH REPUBLIC</b> M.L.S. HOLICE S.R.O.	<b>POLAND</b> FZN MARBAISE LS	<b>U.A.E.</b> LEROY-SOMER DIVISION EMERSON FZE
<b>DENMARK</b> LEROY-SOMER DENMARK A/S	<b>ROMANIA</b> LEROY-SOMER REPRESENTATIVE OFFICE	<b>UNITED KINGDOM</b> LEROY-SOMER LTD
<b>EGYPT</b> MOTEURS LEROY-SOMER	<b>RUSSIA</b> LEROY-SOMER DIVISION	<b>USA</b> LEROY-SOMER POWER AND DRIVES
<b>FRANCE</b> MOTEURS LEROY-SOMER	<b>SAUDI ARABIA</b> ABUNAYYAN TRADING CORPORATION	<b>VENEZUELA</b> LEROY SOMER C/O EMERSON ELECTRIC CA
<b>GERMANY</b> LEROY-SOMER Marbaise GmbH	<b>SINGAPORE</b> LEROY-SOMER SOUTHEAST ASIA Pte Ltd	



Leroy-Somer reserves the right to modify the characteristics of its products at any time in order to incorporate the latest technological developments. The information contained in this document may therefore be changed without prior notice.



## 3000 RANGE

# Customised modular solutions : 3000 RANGE



## ▶ DRIVES

### ■ Asynchronous



VARMECA



PROXIDRIVE



DIGIDRIVE



UNIDRIVE SP

### ■ Synchron



UNIDRIVE SP



DIGITAX ST

## ▶ MOTORS

### ■ Asynchronous

With or without brake

#### ▶ GENERAL PURPOSE

- LSES, LSES FCR,
- FLSES,
- LS FCR,
- FLS FCR

#### ▶ ATEX DUST

- LSPX,
- LSPX FCR,
- LS, - LS FCR

#### ▶ ATEX GAS

- LSE, - FLSE,
- LSN, - FLSN,
- FLSD

#### ▶ VARIABLE SPEED

- LSMV,
- LSMV FCR

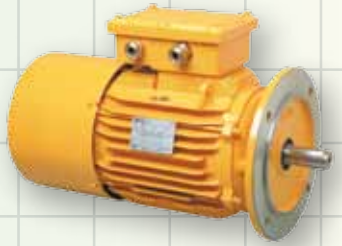
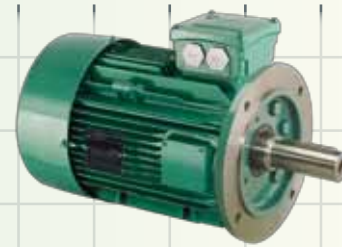
#### ▶ FOOD PROCESSING

- LSIA, LSIWA
- LSIA FCR,
- FLSIA, FLSIWA
- FLSIA FCR

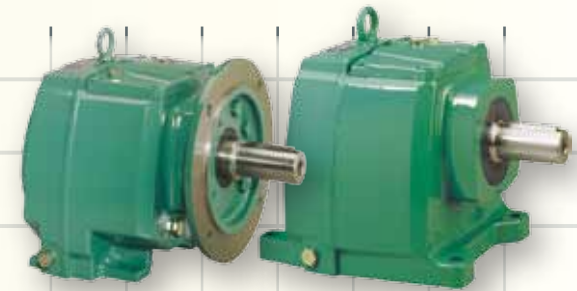
### ■ Synchronous

- LSRPM

- UNIMOTOR



## ▶ GEARBOXES



### COMPABLOC

- Helical gears
- Axial output
- Foot or flange mounting



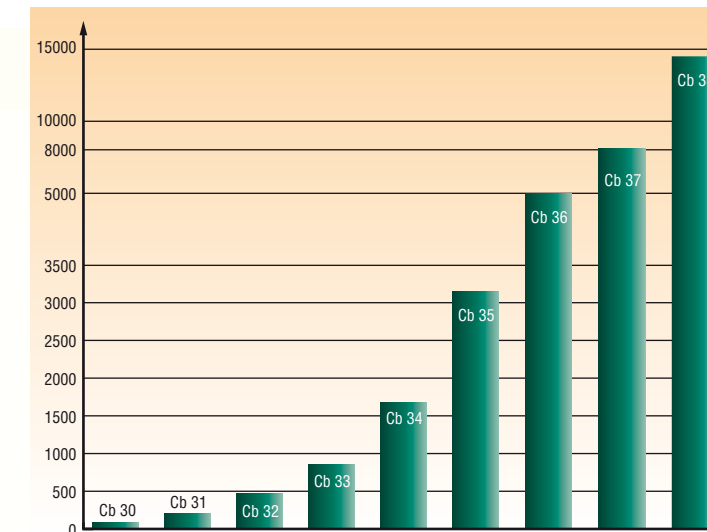
### ORTHOBLOC

- Helical bevel gears
- Orthogonal output with solid shaft, hollow shaft or hollow shaft with shrink disc
- Foot or flange mounting, or with torque arm

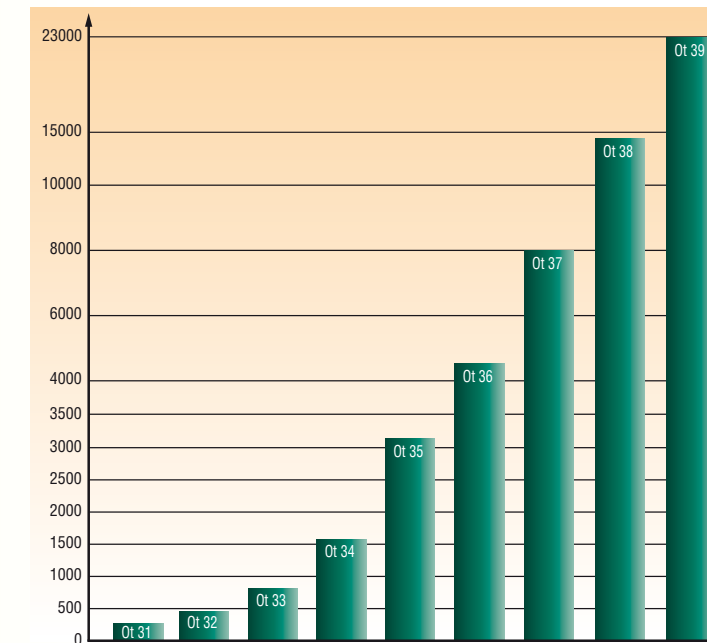


### MANUBLOC

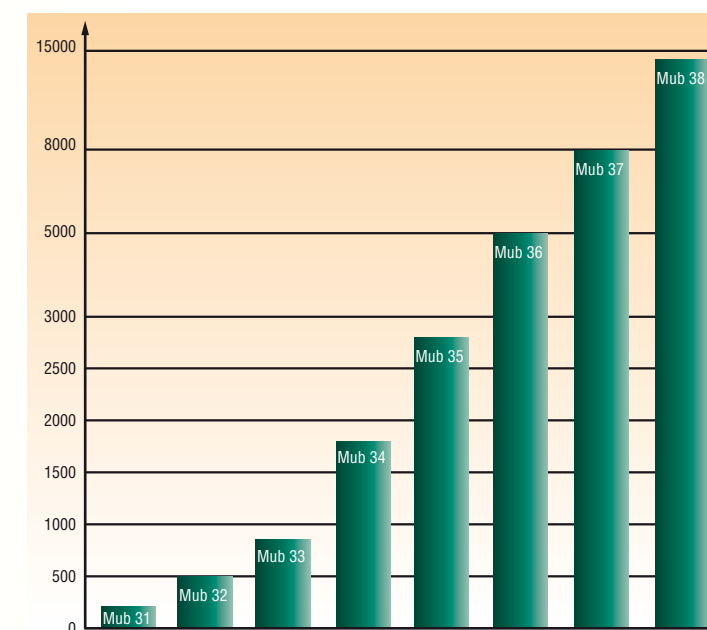
- Helical gears
- Parallel output with solid shaft, hollow shaft or hollow shaft with shrink disc
- Flange mounting or with torque arm



COMPABLOC: 9 sizes up to 14,500 N.m



ORTHOBLOC: 9 sizes up to 23,000 N.m



MANUBLOC: 8 sizes up to 14,500 N.m

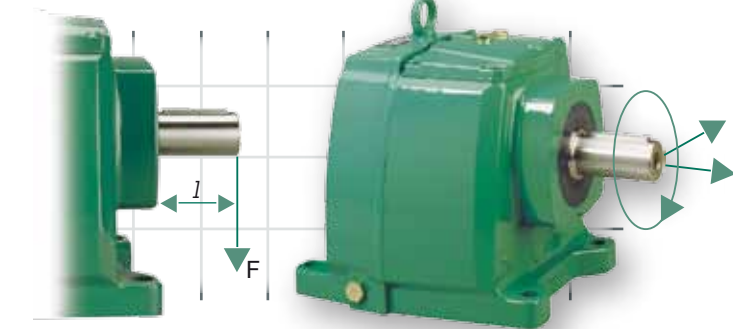
## ▶ Studier housing



Optimised by CAD modelling and calculations using finite elements, housings in the 3000 range can easily withstand the stresses involved in the most demanding applications. The integral feet have excellent tensile strength and the ribbed casting prevents any deformation.

## ▶ Taking account of radial stress

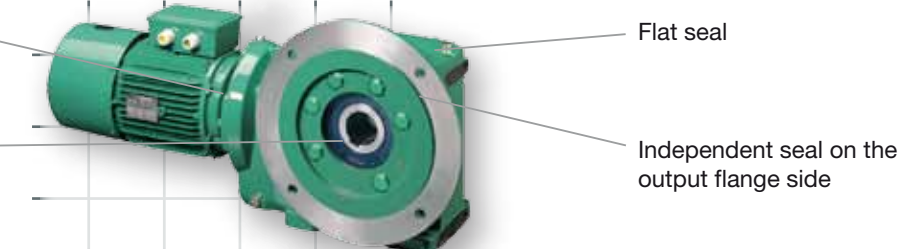
The optimised mechanical design of the 3000 range ensures that these products can cope with the stresses involved in the most demanding applications.



## ▶ Protection

Sealing ring on motor side

Monobloc housing and gasket with dustproof lipseals on the output shaft



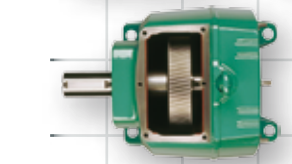
Flat seal

Independent seal on the output flange side

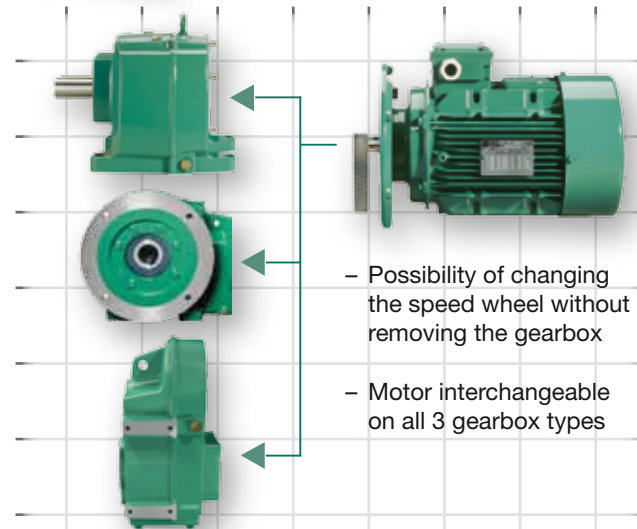
## ▶ Easier maintenance



Opening on top for :  
- quick, clean filling and draining  
- Inspection for preventive maintenance



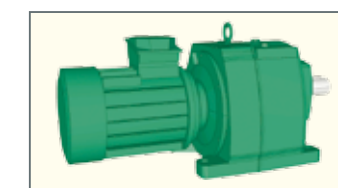
Installation made easier by generous through-holes for the screws fixing the feet



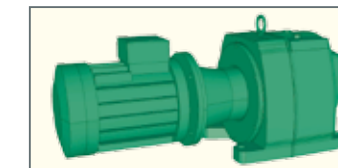
- Possibility of changing the speed wheel without removing the gearbox  
- Motor interchangeable on all 3 gearbox types

## ▶ Choice of mounting

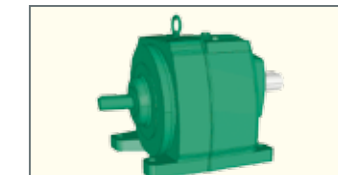
Backstop can be integrated in the MI, MU and AP on sizes 36 to 39



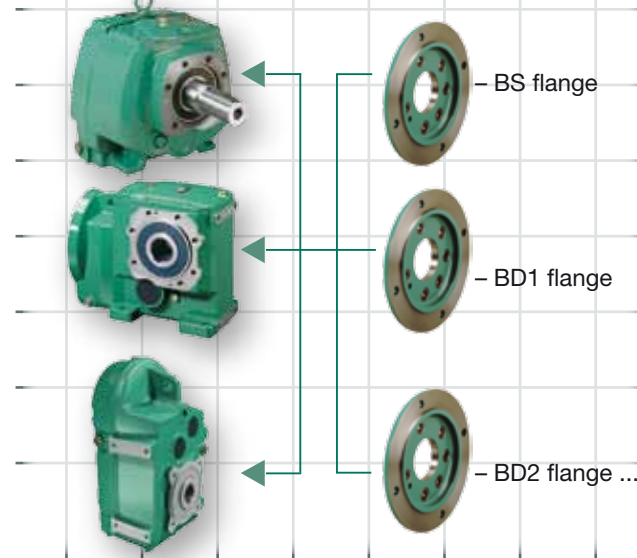
MI mounting with integrated electric motor



MU universal mounting with standard B5 IEC motor



Mounting with AP input shaft



- BS flange

- BD1 flange

- BD2 flange ...