

New!



ORTHOBLOC 36 and 37
MANUBLOC 36 and 37

The 3000 range of energy-saving geared motors

Always ahead of the game in the energy efficiency field, **LEROY-SOMER** has supplemented its range of energy-saving drive solutions with new **ORTHOBLOC and MANUBLOC helical geared motors**, from the **3000 Range**, whose performance and reliability can be taken as read:

◆ **Orthobloc 3000, geared motors with helical bevel gears,**

2 additional sizes:

- **Ot 3633: 4600 Nm** capacity, gearbox ratios extended from 5 to 157
- **Ot 3733: 8000 Nm** capacity, gearbox ratios extended from 5.17 to 152

◆ **Manubloc 3000, geared motors with parallel output,**

2 additional sizes:

- **Mub 3632 and 3633: 5000 Nm** capacity, gearbox ratios extended from 3.25 to 252
- **Mub 3732 and 3733: 8000 Nm** capacity, gearbox ratios extended from 3.08 to 244

◆ More energy savings!

Since energy savings are now on everyone's mind, both from the economic and environmental standpoints, **LEROY-SOMER** has optimised the design of these new gearboxes, ensuring **a very high level of mechanical efficiency, up to 95%**, and generating a significant reduction in electricity consumption.

Equipped with a hollow shaft, all these models can be installed right next to the drive shaft. By eliminating intermediate transmissions such as pinions, chains or belts and pulleys, **the efficiency of the operating mechanism is improved by 15 to 20%**.

Moreover, they can be combined with **drives with high energy efficiency**, such as **high-efficiency Eff1 motors** in the **LSES** series, or even the brand-new **DYNEO® synchronous motors with permanent magnets** in the **LSRPM** series, to reduce energy bills for motorised applications even further.

◆ Increased torque available!

Like previous geared motors in the **3000 Range**, these new series are characterised by their excellent performance, such as **up to 30% more torque for a given size**, allowing **even more savings to be made after purchase**.

◆ Integrated backstop!

For handling or conveying applications, the innovative **backstop** integrated on standard motors offers a useful alternative to the mechanical brake, given how little space it occupies, its reliability and ease of use.

This **compact low-cost solution** provides the user with **the position control function at minimum cost**.

Hence, **LEROY-SOMER** has employed a multitude of drive options in order to propose solutions offering significant energy savings to applications involving heavy-duty use:

handling (conveyors, travelling cranes, etc), hoisting (cranes, bucket elevators, winches, etc), stirring, mixing, in industries as varied as quarries, cement works, sugar factories, food and beverage industries, chemical and pharmaceutical industries, etc.