

New!

REDUCING THE ENERGY BILL



A commitment from LEROY-SOMER !

The protection of our environment, one of the major challenges of our century, depends undoubtedly on the control of our energy consumption. Indeed, in view of the increasing global demand, the sole development of renewable energy sources will not be sufficient; therefore it is imperative to reduce our total energy consumption.

The whole industry is concerned by this issue: its consumption has a heavy effect on the global energy bill. For instance, electric motors account for almost 70 % of the power consumption in industry. Faced with such a situation, **LEROY-SOMER** has committed itself to an approach of durable development and **to reduce power consumption by offering a rational method for the selection of drive systems.**

Always in the forefront of this field, **LEROY-SOMER** has been working for many years to improve the efficiency level of electric motors and geared motors, thus offering more and more efficient machines. In variable speed, **LEROY-SOMER** has designed electronic speed drives allowing an appreciable reduction of the consumed electric power, with the assurance of overall performance of the motor/drive assembly.

Through its great experience in drive systems, **LEROY-SOMER** takes on an obligation today to reduce by up to 40% the energy consumption of an existing installation, by increasing the efficiency of a fixed- or variable speed motorized application. To reach this aim, **LEROY-SOMER** offers its customers an original approach:

- ◆ **Energy pre-diagnosis** for the motorized application concerned,
- ◆ Calculation of the **amount of savings** and **return on investment** by **on-site measurement exercises**,
- ◆ **Global offer of solutions unique** on the market,
- ◆ **Maintenance assured** through the **LEROY-SOMER** service: monitoring of the installations, approved repairs, preventive and predictive maintenance.

This is the LEROY-SOMER Commitment Charter as far as energy reduction is concerned, particularly suitable to the following applications:

- Centrifugal applications: pumping, ventilation
- Applications with mechanical regulation : dampers, sluice valves and slide valves for compressors
- Applications accumulating a high installed power
- Applications operating in continuous duty
- Applications restoring energy on braking resistors: centrifuges, lifting, winding / unwinding
- Applications whose mechanical design gives poor efficiency.

For each of these applications, **LEROY-SOMER** proposes a solution enabling significant energy savings, **by the choice of the motor technology** (high efficiency, permanent magnet...), **of the gearbox and transmission technology** (coaxial , parallel or orthogonal output) **in combination with electronic variable speed, be it integrated or not**. Thanks to this set of various solutions optimizing energy consumption, **LEROY-SOMER** takes on a commitment from now on to cut the total energy bill of any motorized application.