

DYNABLOC

***Servo gear motors
with low backlash***



GENERAL CHARACTERISTICS

LEROY-SOMER has extended its range of gears, and now offers them **with low backlash, equipped with servo motors**. This new range of gear motors is ideal for applications that require :

- High energy
- Extremely precise positioning
- Quiet operation

● The gears

There are already two gear ranges with output torque up to 3100 Nm and reduction ratios from 3 to 1000, depending on the type :

- Planetary gears with axial output (Series LP, SP, NR)
- Worm gears with right-angle output (Series DN)

There are low backlash options : 1' – 3' – 6' – 12'...

● The motors

Servo motors in the **SMV UM** series that are assembled on gears benefit from the latest technological advances. These motors provide a particularly innovative solution as regards the aluminium housing whose fins are at 45° because it allows a thermal capacity increase of 100% compared to a normal housing in cast aluminium.

The **SMV-UM** are self-synchronising servo motors with speeds of 2000 or 3000 rpm. They have a maximum torque up to 200 Nm and a permanent torque up to 66 Nm before stalling.

LEROY-SOMER's DYNABLOC servo gear motors with low backlash have been designed to operate with **LEROY-SOMER's** range of electronic inverters. This is an additional guarantee of high performance for the customer, and facilitates maintenance and after-sales service.

Special program cards developed by **LEROY-SOMER** can be integrated in the inverters, which make complex positioning movements, synchronisation, electronic cams, and winding / unwinding easy to achieve and manage.

LEROY-SOMER's DYNABLOC servo gear motors with low backlash associated to electronic inverters are particularly well adapted for packaging, robotics, machine tools, textile machinery, printing, overhead cranes, etc.