



**LEROY[®]
SOMER**

www.leroy-somer.com

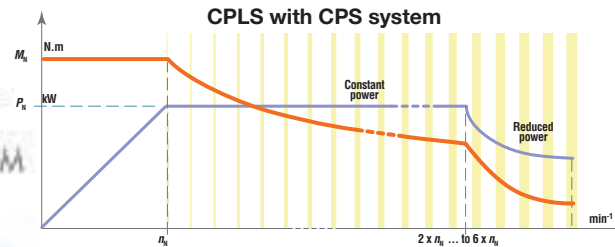
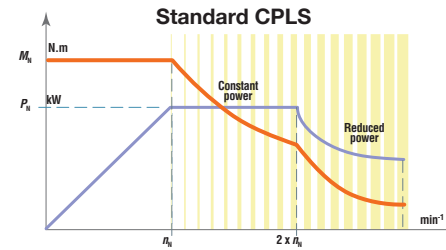


CPLS

*compact,
powerful, asynchronous
power at your service!*

VARIABLE SPEED SOLUTION

Machine tools, processing metal, plastic and rubber, cardboard mills, cable makers, handling, etc all require variable speed drive systems which can fit in small spaces but still have high levels of resistance to dynamic stress. Benefiting from the latest technology, the combination of a square CPLS induction motor and DIGIDRIVE SK, UNIDRIVE SP or POWERDRIVE electronic drives is a perfect solution to the demands of the process.



PERFORMANCE

- Guaranteed performance: optimisation and testing of the LEROY-SOMER motor-drive solution
- Dynamics: hard acceleration (motor with low inertia)
- Increased productivity: operation at constant power over an extended speed range:
 - 1 to 2 as standard
 - 1 to 6 with **Constant Power System** (exclusive patented process)
- Compact design: high specific output power
- Improved accuracy: speed detection by encoder

FLEXIBILITY

- Adaptation to the machine:
 - high-capacity bearings, roller bearings
 - multi-position
 - foot, flange, or foot and flange mounted
 - forced ventilation unit with 4 possible positions
 - axial forced ventilation
 - terminal box with 4 possible positions
- Adaptation to the application:
 - encoder
 - mechanical brake
- Adaptation to difficult environments:
 - filter on forced ventilation unit
 - air intake and outlet ducts



SAVINGS

- Reduction in maintenance costs
- Competitiveness of induction motor and drive assembly

RANGE

CPLS	Torque range N.m
112 M	95 - 110
112 L	105 - 145
132 S	145 - 170
132 M	175 - 220
132 L	220 - 250
160 S	300 - 350
160 M	380 - 440
160 L	540 - 620

- 7.5 to 132 kW
- IC 06 ventilation
- Class F insulation
- Degree of protection
 - IP 23
 - IK 08

