



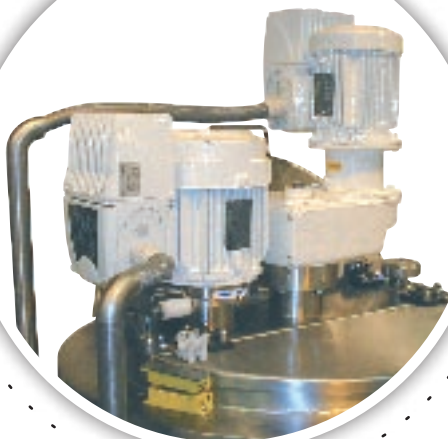
VARMECA 30

**Variable speed motors
and geared motors**

Fluid management on demand



Drive accuracy



Flexibility of movement



Energy savings



Compact solution



Integration at the core of the system



EASE OF USE



Optimised factory settings
Supplied ready to use!

One specific preset per application

- fluid management on demand for pumps or fans
- sequential control of conveyors

Pre-installed functions to make control of the machine easier:
faster/slower, multi-speed

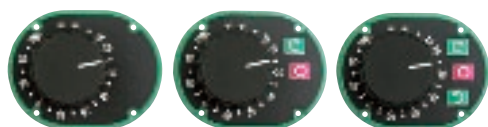
► **XPress Key**
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Display of motor or application parameters and a log of operating events



► **Simple-to-use options**

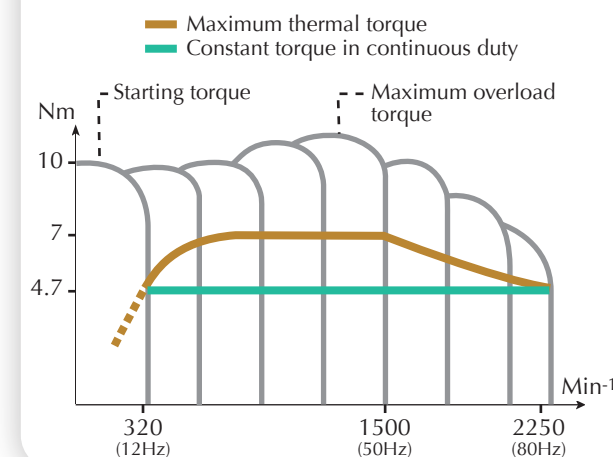


Local controls

PERFORMANCE

- All the functions of a variable speed drive without the drawbacks of a complex installation
- Guaranteed motor performance with autocalibration of parameters carried out in the factory:
 - Operation at constant torque using flux vector control across the entire speed range
 - Optimised starting torque
 - High dynamics on sudden load variations
- Power consumption optimised in centrifugal applications by control of the active current
- Accurate speed regulation with the encoder option (VMA 33/34)

Torque/speed characteristics
1.1 kW/4-pole VARMECA motor



ALL-PURPOSE

- Power supplies: 3-phase, 200 to 480 V \pm 10%; single-phase 110 to 240 V, 50 to 60 Hz, \pm 5%
- Operating temperature: -20°C to +40°C with no derating
- Motor, brake motor and geared motor ranges from 0.25 to 11 kW with 2, 4, 6 and 8 poles
- Can be fitted to all types of gearbox in the 3000 range: Compabloc, Orthobloc, Manubloc, Multibloc, Planibloc
- Conform to the standards for electromagnetic compatibility (EMC) with built-in filter



*"From the most simple variable speed solution...
...to integration in the most complex systems"*



ETHERNET



DeviceNet

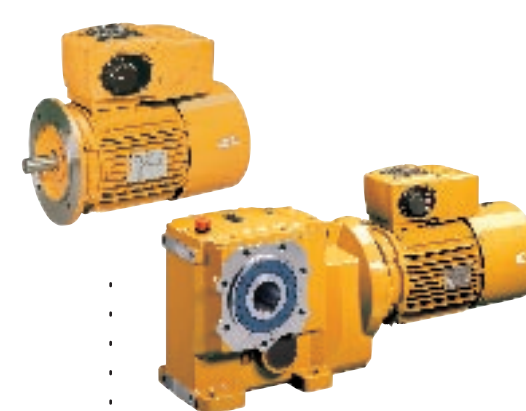
► Control via
Fieldbus



► **Normal environments**



► **Harsh environments**



► **Dusty explosive atmospheres**

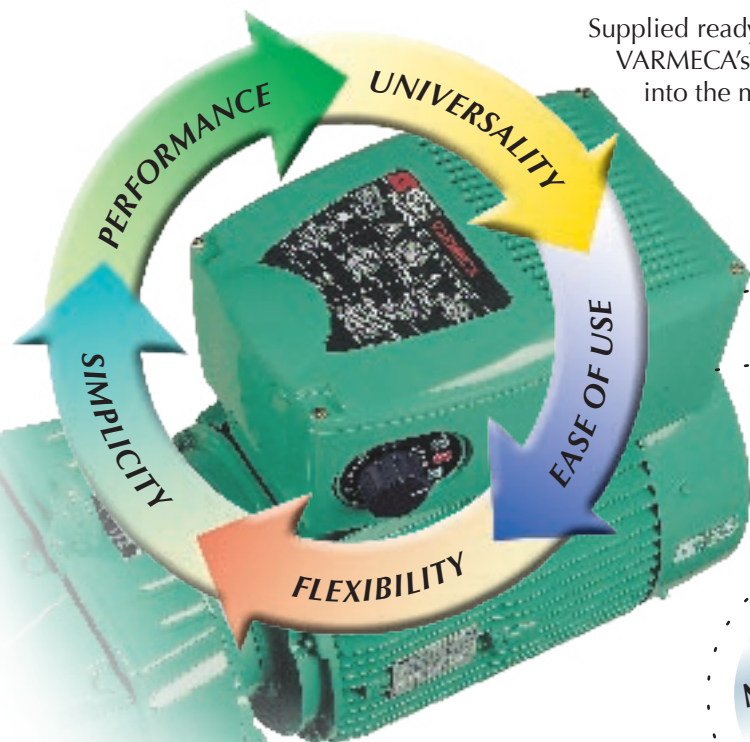
...FOR ALL VARIABLE SPEED APPLICATIONS



FLEXIBILITY

Speed control is a means of saving energy which VARMECA makes accessible to all applications through its enclosure-free installation.

Supplied ready to use in a configuration optimised for simple applications, VARMECA's programmable functions allow it to evolve for integration into the most complex systems.



MANY FUNCTIONS
EASY INTEGRATION

SIMPLE TO USE

Maintenance-free system

"VARMECA is a major asset for mechanical protection of applications"

"By having control over the acceleration and deceleration phases and the cycle times, VARMECA controls both the motor and the associated process"

- Optimised for simple applications, open for complex systems
- Everything provided by speed control:
 - control of cycle times
 - soft starts and stops (protection of the mechanical parts and the driven system)
 - local and remote process control
- Internal or external braking resistor

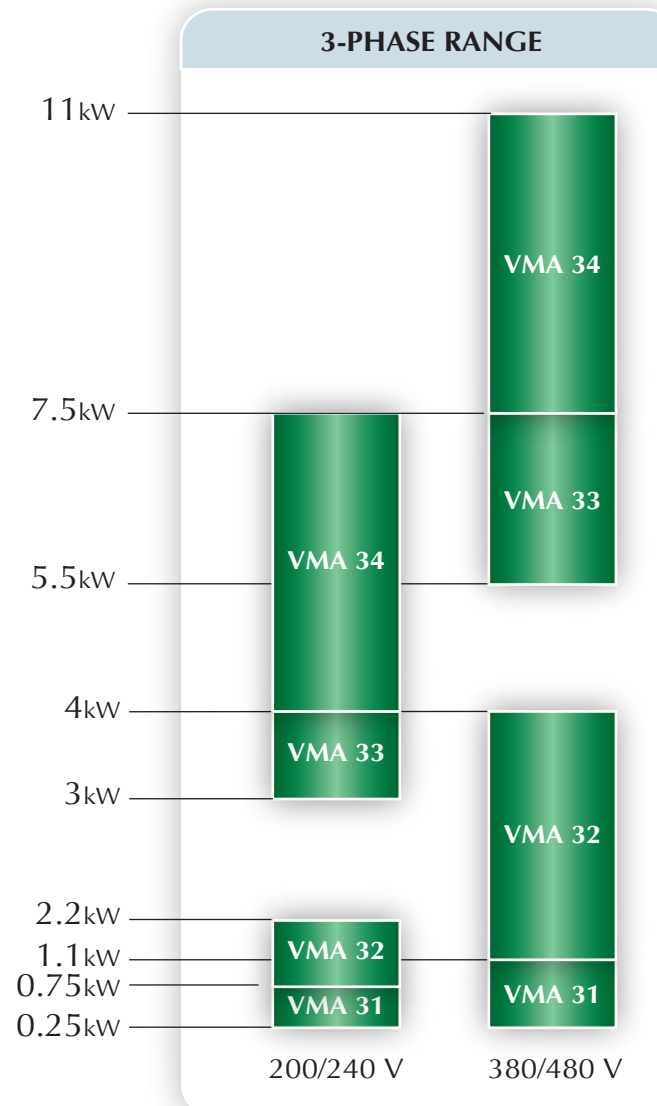
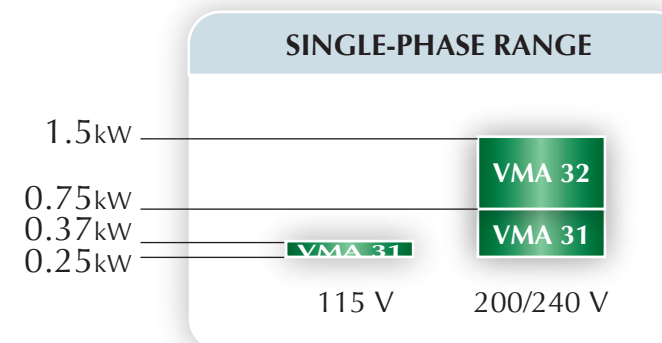
- Control and management of brake motors
- Programmable I/O for producing a control system for application management
- Increased reliability through the use of integrated protective devices
- Designed to be the application supervisor
- Increases application reliability by integrating multiple protective devices



RANGES

0.25 to 11 kW

The VARMECA range can be fitted to all Leroy-Somer motors and geared motors, and is designed for all single-phase and 3-phase voltages.



SERVICE GUARANTEE

GUARANTEED AVAILABILITY

The industrial and logistic organisation that has been set up guarantees very short delivery times for 500,000 part numbers in the catalogue.

Without consultation

TECHNICAL AND COMMERCIAL SUPPORT

The experts in our sales network have the skills to provide you with the best solutions in integrated variable speed.



... FOR EACH ENVIRONMENT



For over 15 years, the satisfaction of VARMECA users has been an indication of the many benefits of integrated variable speed: guaranteed performance in severe environments, energy savings, reduction in installation costs, ease of commissioning, flexibility and safety in use.

► Suitable for very damp environments

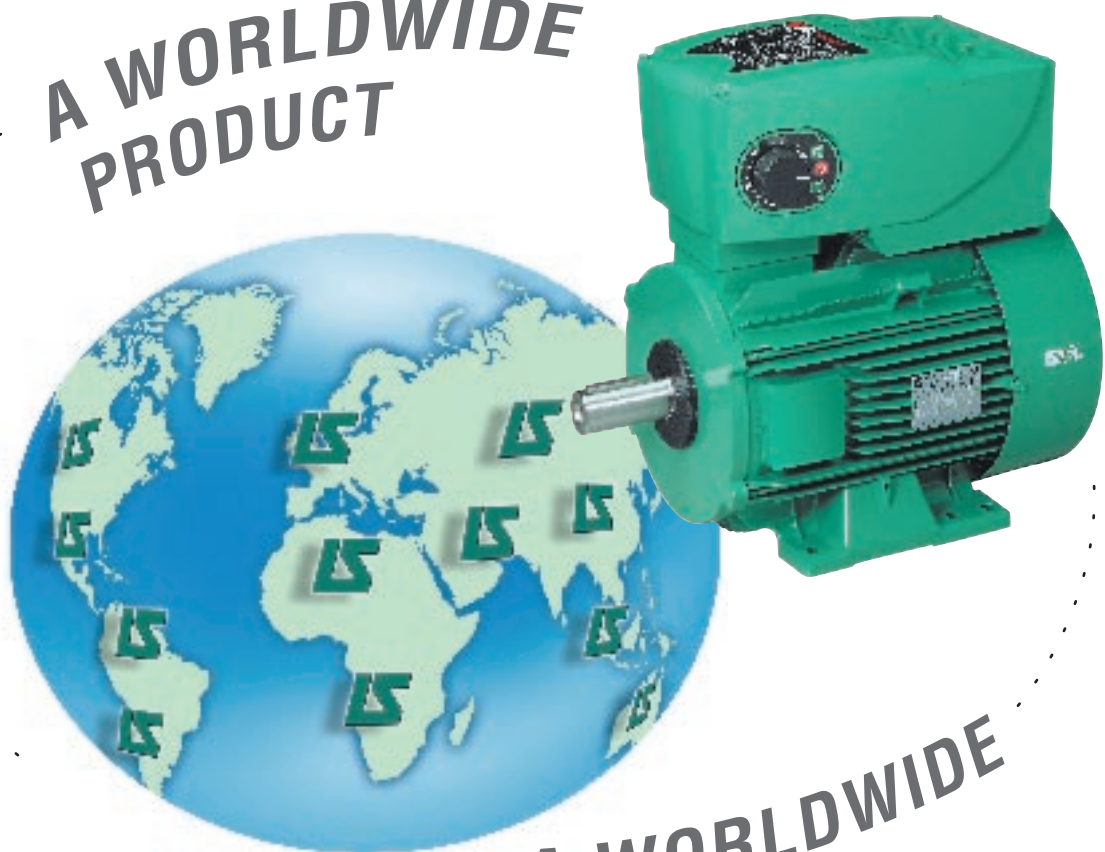
- IP 65 protection
- Aluminium housing for optimum cooling
- Construction with no water retention areas
- Electronics moulded in resin
- Paint system suitable for harsh environments
- ATEX certified by INERIS: atmospheres containing explosive dust, zones 21 and 22



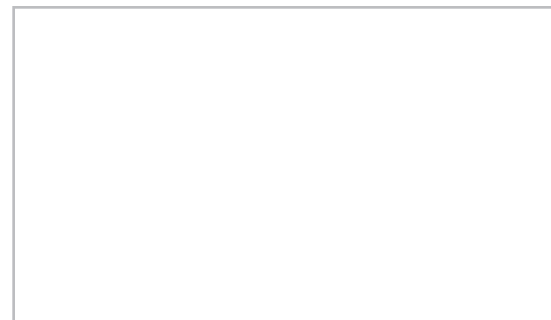
► Suitable for dusty atmospheres



**A WORLDWIDE
PRODUCT**



**A WORLDWIDE
SERVICE**



MOTEURS LEROY-SOMER 16015 ANGOULÊME CEDEX - FRANCE

338 567 258 RCS ANGOULÊME
S.A. au capital de 62 779 000 €

www.leroy-somer.com