TOTALINE

ENERGY SAVING MOTORS

Our contribution to energy saving and CO2 emissions reduction

ELCO®

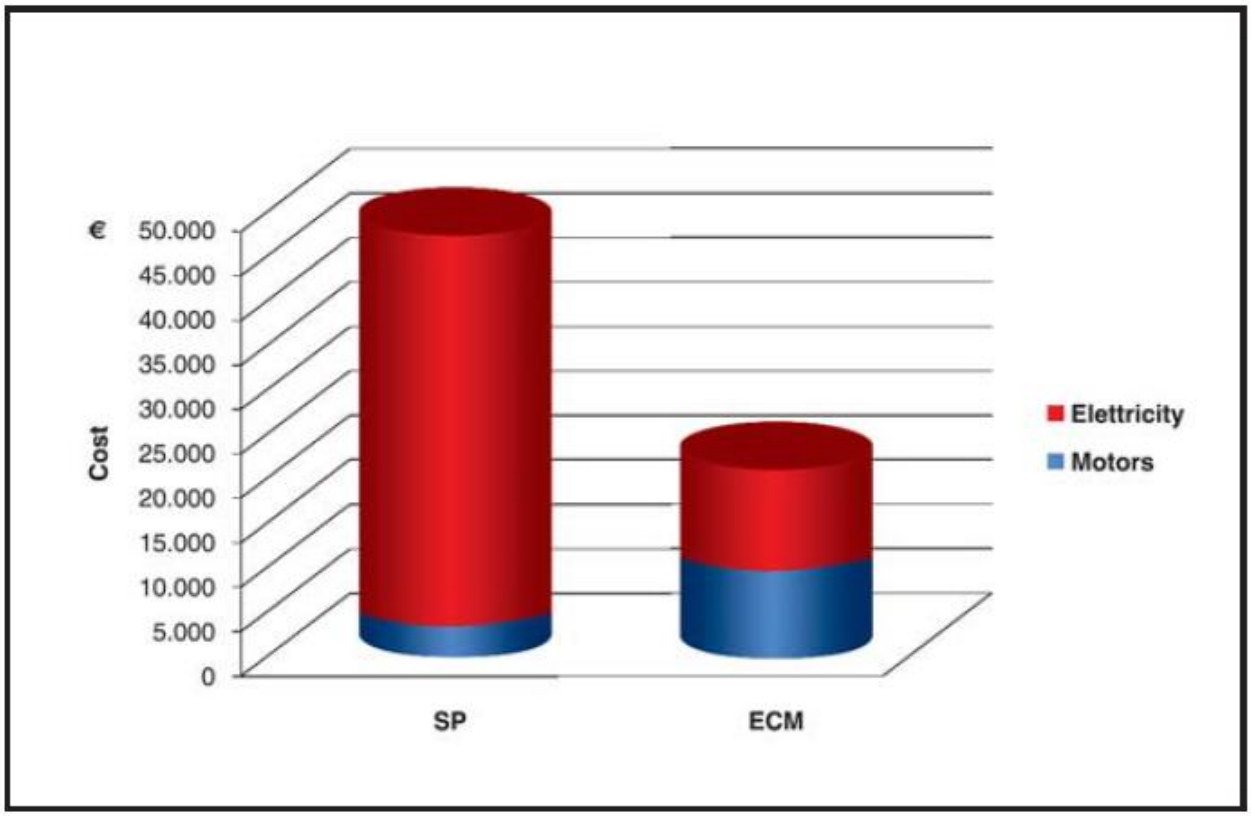
Nowadays, the need to adopt effective actions to promote energy saving, as well as a drastic reduction in CO2 emissions into the atmosphere, is universally recognized.

In Europe, there are in fact several million of sub-fractional horsepower electric motors used both in domestic appliances, or in air-conditioning and refrigerators. For the latter, especially for the ventilation of refrigerated display cases, sub-fractional HP motors with extremely low efficiency have always been used.

The importance of choosing a high-efficiency motor is evident from considering
a single supermarket with approximately 200 m of refrigerated display units installed, for an estimated total of 200 fan motors.

Considering an average energy cost of 0.11 Euro per kWh and CO2 emissions of 0.6 kg per kWh consumed, we can calculate that if the same supermarket used “electronic control” motors instead of the equivalent “shaded pole” models, 68,500 kWh could be saved in one year, equivalent to approximately 7.500 Euro and a reduction in CO2 emissions of **41 tons.**

Elettricity cost vs purchase motors cost in 2 years of use



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ECM Series - Totaline E.C. motors

EC High efficiency motors.
- 12W - 20W single speed motors
- Thermoplastic housing.
- Insulation class: B
- Protection rating: IP65
- Supports: Ball bearings .
- 230 Volt - 50/60 Hz.1500 R.P.M.
- suitable for horizontal and vertical applications
- Working temperature -40°C ÷ +55°C

The advantages with towards the “shaded pole” solution are:

- **High efficiency 63÷68%**
- **Maximum moisture protection with the new IP65 version**
- **Reduced depth compared to the standard N series Shaded Pole motors**
- **Drop in replacement with the standard N series and possibility to use all standard accessories**

The sensible energy saving widely compensates the greater cost of high-efficiency motors, with payback in just few months: in fact, in the lifetime overall cost of a shaded-polemotor, energy consumption represents almost 97-98%, while its purchase costs only 2-3%.

Models

The ECM series is currently available in two single-speed versions, to be selected according to power requirements.

Code	Model	Power Input	Power Output	Current (A)	rpm	cable lenght
DATT8012A	12-15	14	12	0,11	1500	1000
DATT8020A	20-25	25	20	0,18	1500	1000

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