

EFFICIENCY THAT TURNS INTO GREAT SAVINGS



W22 SUPER PREMIUM

PRESENTING THE WORLD'S HIGHEST AND WIDEST EFFICIENCY LEVEL INDUCTION MOTOR RANGE

In the last two decades, global energy consumption has increased by 50% with forecast for that the next two decades will continue to see significant increases in this usage.

This increasing demand for electrical energy to sustain global development requires consistent heavy investments in power supply generation. However, in addition to complex medium and long term planning, these investments rely on natural resources, which are becoming depleted due to constant pressures upon the environment.

As a reflection of this scenario, electric energy costs are rising dramatically, and in comparison to other economic indicators, standing out negatively.

One of the main contributing factors to this increase in power consumption is in the industrial sector, which utilises around 30% of the electrical energy globally available. And, in industrial applications, electric motor driven systems represents around 68% of all energy consumption.

Furthermore, if we consider both industrial and domestic applications, including appliances in our analysis, electric motors account for more than 40% of the total energy consumed Globally. This serves to emphasize the scale of worldwide electrical energy consumption by electric motors and the importance placed upon development of

more and more efficient products, not only to fulfil but to reduce this increasing demand, and consequently achieve energy / financial savings and emissions reduction.

In response to this situation, several Government Authorities are implementing Minimum Energy Efficiency Performance Standards, in order to encourage greater utilization of high-efficient equipment.

In Europe it was no different, and motor systems were earmarked as a priority target in the Eco-Design Directive (2005), which has established requirements for Energy-using Products: "EuP Directive". As a result, EU Mandatory Minimum Energy-Efficiency Performance Standard (MEPS) for industrial electric motors entered into force from July 2009.

With this situation in mind WEG presents its W22 Super Premium efficiency motor line, exceeding the IE4 Efficiency Levels defined in the IEC Standard 60034-30-1 from March 2014.

The efficiency performance of these motors far exceed the IE2 or IE3 minimum efficiency levels required in Europe today. This enables customers to reduce their Total Cost of Ownership through the reduction in energy consumption and consequently their carbon footprint.

HIGH OVERALL PERFORMANCE WHICH IS TRANSLATED INTO A LOWER TOTAL COST OF OWNERSHIP, DUE TO ITS RELIABILITY, EASY MAINTENANCE AND **ENERGY SAVINGS!**