

# Motors for high ambient temperatures up to 90°C



## A motor that can be adapted to different needs

The M3BPV motor for demanding environments is available in a standard configuration, capable of operating in temperatures of up to 90°C. It is equipped with cooling fan, top-mounted terminal box, separate stainless steel lubrication information plate, high-temperature grease, class H insulation, thermistors, IP55 with drainage holes, rustproof stators and rotors, C4-clearance bearings, stainless steel nipples for re-greasing, and it is ready for frequency converter operation.

The motor can be ordered in a variety of configurations for easy adaptation to a range of conditions:

- with or without terminal box
- terminal box mounted on the right side, left side or on top
- with or without cooling fan
- with or without stainless steel nipples for re-greasing
- with or without standby heating system

## A high performance motor with off-the-shelf availability

The new motor is suitable for applications such as in the metallurgical, wood and food industries, in brick and glass manufacturing, or for drying sheds and bakeries, where high temperatures are crucial to many industrial processes. The guarantee covers two years of trouble-free operation in temperatures of up to 90°C.

ABB motors for demanding environments are made to an entirely new design based on research into today's production processes. The motors have lower bearing temperatures, longer lubrication intervals and improved greasing systems. Several key attributes have also been added to provide greater energy-efficiency, longer life-time and lower operating costs. It is a rugged and reliable motor that will work at a lower operating cost.

The new motors are designed for the conditions found in many processes – extreme temperatures, 100% relative humidity and highly corrosive environments. Motors are constructed entirely in cast iron and aluminum and coated with a tough multilayer epoxy surface treatment.

## Reliability and lower operating costs

Small energy losses, high efficiency and the use of C4-clearance bearings are some of the factors behind the reliability and low overall operating costs of the new motors. The motors are available from stock and delivery time varies from 24 to 72 hours for most sizes.

The high quality of the motors is preserved by professional maintenance. All cast iron motors are equipped with stainless steel adapters as standard for monitoring bearing condition in accordance with the SPM Method (shock pulse measurement).

