



## AC Three-phase Motors - IE4/IE3/IE2/IE1

### PREMIUM EFFICIENCY MOTORS - IE3/CURUS

- IE3 Premium Efficiency compliant since 2010
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



## TECHNICAL DATA

Motor Type

AMPH 112M BA6 - 1.5 kW - 6 poles - 460V - 60Hz

## PERFORMANCE DATA

| Type        | AMPH 112M BA |
|-------------|--------------|
| Poles       | 6            |
| kW          | 1.5          |
| HP          | 2            |
| rpm         | 1180         |
| Mn Nm       | 12.1         |
| $\eta$ 50%  | 85.6         |
| $\eta$ 75%  | 88.1         |
| $\eta$ 100% | 88.5         |
| cos Phi     | 0.63         |
| $I_N$       | 3.5          |
| $I_A/I_N$   | 6.2          |
| $M_A/M_N$   | 2.9          |
| $M_S/M_N$   | 2.5          |

|                                          |      |
|------------------------------------------|------|
| <b>M<sub>K</sub>/M<sub>N</sub></b>       | 3.1  |
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 23.1 |
| <b>kg</b>                                | 36.5 |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | Aluminium                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6306/2Z                       |
| <b>Lubrication grease</b>           | low & high temperature grease |
| <b>Regreasing device horizontal</b> | permanent lubrication         |
| <b>Regreasing device vertical</b>   | permanent lubrication         |
| <b>Grease Quantity</b>              | -                             |
| <b>Cooling</b>                      | IC 411                        |
| <b>Vibration Level</b>              | A (normal)                    |
| <b>Noise Lpa db(A)</b>              | 53                            |

## Electrical Data

|                              |                        |
|------------------------------|------------------------|
| <b>Voltage</b>               | 460V - 60Hz            |
| <b>Connection</b>            | YY/Y 230/460V - ? 460V |
| <b>Duty type</b>             | S1                     |
| <b>Thermal protection</b>    | na                     |
| <b>Insulation class</b>      | F                      |
| <b>Direction of rotation</b> | bidirectional          |
| <b>Ambient temperature</b>   | -20°C / +40 °C         |
| <b>Altitude</b>              | 1000 m.a.s.l.          |