



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

**SUPER PREMIUM EFFICIENCY MOTORS - IE4/CURUS**

- Wide range from 0.75 to 200kW
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



## TECHNICAL DATA

**Motor Type**

AMQE 160M AA2 - 9.2 kW - 2 poles - 400V - 50Hz

## PERFORMANCE DATA

|                                    |              |
|------------------------------------|--------------|
| <b>Type</b>                        | AMQE 160M AA |
| <b>Poles</b>                       | 2            |
| <b>kW</b>                          | 9.2          |
| <b>HP</b>                          | 12.4         |
| <b>rpm</b>                         | 2970         |
| <b>Mn Nm</b>                       | 29.9         |
| $\eta$ 50%                         | 88.3         |
| $\eta$ 75%                         | 91.0         |
| $\eta$ 100%                        | 92.2         |
| <b>cos Phi</b>                     | 0.85         |
| <b>I<sub>N</sub> 400V</b>          | 16.9         |
| <b>I<sub>N</sub> 460V</b>          | -            |
| <b>I<sub>N</sub> 575V</b>          | -            |
| <b>I<sub>A</sub>/I<sub>N</sub></b> | 14.0         |

|                                 |      |
|---------------------------------|------|
| $M_A/M_N$                       | 5.0  |
| $M_S/M_N$                       | 4.3  |
| $M_K/M_N$                       | 5.2  |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 53.4 |
| kg                              | 88.9 |

## Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | Aluminium                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6309/2Z                       |
| Lubrication grease           | low & high temperature grease |
| Regreasing device horizontal | permanent lubrication         |
| Regreasing device vertical   | permanent lubrication         |
| Grease Quantity              | -                             |
| Cooling                      | IC 411                        |
| Vibration Level              | A (normal)                    |
| Noise Lpa db(A)              | 74                            |

## Electrical Data

|                       |                |
|-----------------------|----------------|
| Voltage               | 400V - 50Hz    |
| Connection            | ?/Y 400/690V   |
| Duty type             | S1             |
| Thermal protection    | na             |
| Insulation class      | F              |
| Direction of rotation | bidirectional  |
| Ambient temperature   | -20°C / +40 °C |
| Altitude              | 1000 m.a.s.l.  |