



## 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

AMQH 112M BA2 - 4 kW - 2 poles - 460V - 60Hz / 575V - 60Hz

## PERFORMANCE DATA

| Type                | AMQH 112M BA |
|---------------------|--------------|
| Poles               | 2            |
| kW                  | 4            |
| HP                  | 5.5          |
| rpm                 | 3550         |
| Mn Nm               | 10.8         |
| $\eta$ 50%          | 86.7         |
| $\eta$ 75%          | 89.3         |
| $\eta$ 100%         | 89.5         |
| cos Phi             | 0.81         |
| I <sub>N</sub> 400V | -            |
| I <sub>N</sub> 460V | 6.9          |
| I <sub>N</sub> 575V | 5.5          |

|                                 |      |
|---------------------------------|------|
| $I_A/I_N$                       | 12.2 |
| $M_A/M_N$                       | 4.8  |
| $M_S/M_N$                       | 4.2  |
| $M_K/M_N$                       | 5.2  |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 8.6  |
| kg                              | 33.6 |

## Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | Aluminium                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6306/2Z                       |
| 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)              | 68                            |

## Electrical Data

|                       |                           |
|-----------------------|---------------------------|
| Voltage               | 460V - 60Hz / 575V - 60Hz |
| Connection            |                           |
| 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.             |