



## 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 90S AA44 - 0.75 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type                           | AMQE 90S AA4 |
|--------------------------------|--------------|
| Poles                          | 4            |
| kW                             | 0.75         |
| HP                             | 1            |
| rpm                            | 1445         |
| Mn Nm                          | 5.0          |
| $\eta$ 50%                     | 83.0         |
| $\eta$ 75%                     | 85.0         |
| $\eta$ 100%                    | 85.7         |
| cos Phi                        | 0.76         |
| I <sub>N</sub> 400V            | 1.7          |
| I <sub>N</sub> 460V            | -            |
| I <sub>N</sub> 575V            | -            |
| I <sub>A</sub> /I <sub>N</sub> | 8.4          |

|                                 |      |
|---------------------------------|------|
| $M_A/M_N$                       | 4.7  |
| $M_S/M_N$                       | 2.8  |
| $M_K/M_N$                       | 4.3  |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 3.7  |
| kg                              | 16.4 |

## Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | Aluminium                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6205/2Z                       |
| 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)              | 49                            |

## Electrical Data

|                       |                |
|-----------------------|----------------|
| Voltage               | 400V - 50Hz    |
| Connection            | ?/Y 230/400V   |
| 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.  |