



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

### STANDARD EFFICIENCY MOTORS - IE1

- Reliability and efficiency in a well-designed robust package
- Extensive customization options ensure motors match application needs



## TECHNICAL DATA

### Motor Type

AM 90L CA2 - 2.2 kW - 2 poles - 400V - 50Hz

## PERFORMANCE DATA

|                                |           |
|--------------------------------|-----------|
| Type                           | AM 90L CA |
| Poles                          | 2         |
| kW                             | 2.2       |
| HP                             | 3         |
| rpm                            | 2860      |
| Mn Nm                          | 7.3       |
| $\eta$ 50%                     | 81.5      |
| $\eta$ 75%                     | 82.0      |
| $\eta$ 100%                    | 81.8      |
| cos Phi                        | 0.81      |
| I <sub>N</sub> 400V            | 4.9       |
| I <sub>N</sub> 380-420V        | 4.9       |
| I <sub>A</sub> /I <sub>N</sub> | 7.1       |
| M <sub>A</sub> /M <sub>N</sub> | 4.1       |

|                                 |      |
|---------------------------------|------|
| $M_S/M_N$                       | 3.6  |
| $M_K/M_N$                       | 4.0  |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 1.68 |
| kg                              | 16.0 |

## 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         |
| Cooling                      | IC 411                        |
| Vibration Level              | A (normal)                    |
| Noise Lpa db(A)              | 62                            |

## 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.  |