



### 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 71Z AA2 - 0.37 kW - 2 poles - 400V - 50Hz

## PERFORMANCE DATA

|                |           |
|----------------|-----------|
| Type           | AM 71Z AA |
| Poles          | 2         |
| kW             | 0.37      |
| HP             | 0.5       |
| rpm            | 2820      |
| Mn Nm          | 1.3       |
| $\eta$ 50%     | 58.0      |
| $\eta$ 75%     | 64.0      |
| $\eta$ 100%    | 70.0      |
| cos Phi        | 0.78      |
| $I_N$ 400V     | 1.0       |
| $I_N$ 380-420V | 1.2       |
| $I_A/I_N$      | 4.7       |
| $M_A/M_N$      | 3.6       |

|                                 |      |
|---------------------------------|------|
| $M_S/M_N$                       | 3.4  |
| $M_K/M_N$                       | 3.6  |
| $J \cdot 10^{-3} \text{ kgm}^2$ | 0.32 |
| kg                              | 5.8  |

## Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | ALUMINIUM                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6203/2Z                       |
| 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)              | 52                            |

## 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.  |