



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 63Z CA2 - 0.37 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

| | |
|------------------------------------|-----------|
| Type | AM 63Z CA |
| Poles | 2 |
| kW | 0.37 |
| HP | 0.5 |
| rpm | 2800 |
| Mn Nm | 1.3 |
| η 50% | 54.0 |
| η 75% | 58.0 |
| η 100% | 65.0 |
| cos Phi | 0.70 |
| I_N 400V | 1.20 |
| I_N 380-420V | 1.25 |
| I_A/I_N | 4.6 |
| M_A/M_N | 3.4 |

| | |
|--|-----|
| M_S/M_N | 3.3 |
| M_K/M_N | 3.4 |
| J 10⁻³ kgm² | 0.2 |
| kg | 4.4 |

Mechanical Data

| | |
|-------------------------------------|-------------------------------|
| Design | ALUMINIUM |
| Degree of protection | IP 55 |
| Bearings DE/NDE | 6202/2Z |
| 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) | 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. |