



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

HIGH EFFICIENCY MOTORS - IE2/CURUS

- Total reliability and longevity in a well-engineered package
- Extensive customization options ensure motors match application needs



TECHNICAL DATA

Motor Type

AMHE 160M AA4 - 11 kW - 4 poles - 400V - 50Hz / 460V - 60Hz

PERFORMANCE DATA

| | |
|------------------------------------|--------------|
| Type | AMHE 160M AA |
| Poles | 4 |
| kW | 11 |
| HP | 15 |
| rpm | 1470 |
| Mn Nm | 71.3 |
| η 50% | 91.4 |
| η 75% | 92.0 |
| η 100% | 91.3 |
| cos Phi | 0.81 |
| I_N | 22.0 |
| I_A/I_N | 8.2 |
| M_A/M_N | 2.1 |

| | |
|--|------|
| M_S/M_N | 1.7 |
| M_K/M_N | 2.8 |
| J 10⁻³ kgm² | 69.0 |
| kg | 90.0 |

Mechanical Data

| | |
|-------------------------------------|-------------------------------|
| Design | ALUMINIUM |
| Degree of protection | IP 55 |
| Bearings DE/NDE | 6309/2Z |
| 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 / 460V - 60Hz |
| Connection | ?/Y 400/690V |
| 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. |