



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 90L DA2 - 3 kW - 2 poles - 400V - 50Hz / 460V - 60Hz

PERFORMANCE DATA

| | |
|------------------------------------|-------------|
| Type | AMHE 90L DA |
| Poles | 2 |
| kW | 3 |
| HP | 4 |
| rpm | 2880 |
| Mn Nm | 9.9 |
| η 50% | 85.0 |
| η 75% | 86.0 |
| η 100% | 85.6 |
| cos Phi | 0.82 |
| I_N | 6.1 |
| I_A/I_N | 9.9 |
| M_A/M_N | 3.5 |

| | |
|--|------|
| M_S/M_N | 3.3 |
| M_K/M_N | 3.8 |
| J 10⁻³ kgm² | 2.0 |
| kg | 18.0 |

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 / 460V - 60Hz |
| 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. |