



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

PREMIUM EFFICIENCY MOTORS - IE3/CURUS

- IE3 Premium Efficiency compliant since 2010
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



TECHNICAL DATA

Motor Type

AMPE 180M BB4 - 22 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

| | |
|------------------------------------|--------------|
| Type | AMPE 180M BB |
| Poles | 4 |
| kW | 22 |
| HP | 30 |
| rpm | 1470 |
| Mn Nm | 143.9 |
| η 50% | 92.4 |
| η 75% | 93.1 |
| η 100% | 93.0 |
| cos Phi | 0.81 |
| I_N | 41.0 |
| I_A/I_N | 8.0 |
| M_A/M_N | 2.2 |
| M_S/M_N | 1.9 |

| | |
|--|-------|
| M_K/M_N | 3.0 |
| J 10⁻³ kgm² | 128.1 |
| kg | 127 |

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 |
| Grease Quantity | - |
| Cooling | IC 411 |
| Vibration Level | A (normal) |
| Noise Lpa db(A) | 58 |

Electrical Data

| | |
|------------------------------|----------------|
| Voltage | 400V - 50Hz |
| 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. |