



Brake Motors - IE3/IE2/IE1

STANDARD EFFICIENCY MOTORS - IE1

- Options make motors suitable for either onshore or offshore duties
- Engineered to give high performance with maximum efficiency
- Reliability & durability ensured through total control over component supply chains



TECHNICAL DATA

Motor Type AMS 112M AA2 - 4 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

| | |
|------------------------------------|-------------|
| Type | AMS 112M AA |
| Poles | 2 |
| kW | 4 |
| HP | 5.5 |
| rpm | 2880 |
| Mn Nm | 13.26 |
| η 50% | 81.9 |
| η 75% | 84 |
| η 100% | 83.5 |
| cos Phi | 0.82 |
| I_N 400 V | 8.4 |
| I_N 380-400 V | 8.7 |
| I_A/I_N | 8 |
| M_A/M_N | 3.4 |

| | |
|--|-----|
| M_K/M_N | 3.6 |
| J 10⁻³ kgm² | 7.6 |
| Mb max Nm | 13 |
| zL 1) c/h | 750 |
| kg | 29 |

Mechanical Data

| | |
|-------------------------------------|-------------------------------|
| Design | ALUMINIUM |
| Degree of protection | IP 55 |
| Bearings DE/NDE | 6306/2Z |
| 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) | 68 |

Electrical Data

| | |
|------------------------------|------------------------------|
| Voltage | 400V - 50Hz |
| Connection | ?/Y 230/400V or ?/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. |