



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 80Z BA4 - 0.75 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

| | |
|------------------------------------|------------|
| Type | AMS 80Z BA |
| Poles | 4 |
| kW | 0.75 |
| HP | 1 |
| rpm | 1410 |
| Mn Nm | 5.1 |
| η 50% | 68.7 |
| η 75% | 70.8 |
| η 100% | 72 |
| cos Phi | 0.72 |
| I_N 400 V | 2.1 |
| I_N 380-400 V | 2.2 |
| I_A/I_N | 4.4 |
| M_A/M_N | 2.8 |

| | |
|--|------|
| M_K/M_N | 2.8 |
| J 10⁻³ kgm² | 2.77 |
| Mb max Nm | 7 |
| zL 1) c/h | 4000 |
| kg | 12.1 |

Mechanical Data

| | |
|-------------------------------------|-------------------------------|
| Design | ALUMINIUM |
| Degree of protection | IP 55 |
| Bearings DE/NDE | 6204/2Z |
| 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) | 48 |

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. |