



### Brake Motors - IE3/IE2/IE1

### HIGH EFFICIENCY MOTORS - IE2

- 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

IE2

UL

SE

CCC

## TECHNICAL DATA

Motor Type

AMHES 63Z BA4 - 0.18 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

|             |              |
|-------------|--------------|
| Type        | AMHES 63Z BA |
| Poles       | 4            |
| kW          | 0.18         |
| HP          | 0.25         |
| rpm         | 1345         |
| Mn Nm       | 1.3          |
| $\eta$ 50%  | 61.9         |
| $\eta$ 75%  | 66.7         |
| $\eta$ 100% | 64.7         |
| cos Phi     | 0.66         |
| $I_N$       | 0.6          |
| $I_A/I_N$   | 2.3          |
| $M_A/M_N$   | 1.9          |
| $M_K/M_N$   | 1.9          |

|                                          |      |
|------------------------------------------|------|
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 0.59 |
| <b>Mb max Nm</b>                         | 3    |
| <b>zL <sup>1)</sup> c/h</b>              | 7500 |
| <b>kg</b>                                | 5.6  |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | Aluminium                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6202/2Z                       |
| <b>Lubrication grease</b>           | low & high temperature grease |
| <b>Regreasing device horizontal</b> | permanent lubrication         |
| <b>Regreasing device vertical</b>   | permanent lubrication         |
| <b>Cooling</b>                      | IC 411                        |
| <b>Vibration Level</b>              | A (normal)                    |
| <b>Noise Lpa db(A)</b>              | 38                            |

## Electrical Data

|                              |                |
|------------------------------|----------------|
| <b>Voltage</b>               | 400V - 50Hz    |
| <b>Connection</b>            | ?/Y 230/400V   |
| <b>Duty type</b>             | S1             |
| <b>Thermal protection</b>    | na             |
| <b>Insulation class</b>      | F              |
| <b>Direction of rotation</b> | bidirectional  |
| <b>Ambient temperature</b>   | -20°C / +40 °C |
| <b>Altitude</b>              | 1000 m.a.s.l.  |