



## 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

IE1

UL

CE

CCC

## TECHNICAL DATA

### Motor Type

AMS 71Z BA6 - 0.25 kW - 6 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type            | AMS 71Z BA |
|-----------------|------------|
| Poles           | 6          |
| kW              | 0.25       |
| HP              | 0.33       |
| rpm             | 880        |
| Mn Nm           | 2.71       |
| $\eta$ 50%      | 46         |
| $\eta$ 75%      | 50         |
| $\eta$ 100%     | 54         |
| cos Phi         | 0.62       |
| $I_N$ 400 V     | 1.1        |
| $I_N$ 380-400 V | 1.2        |
| $I_A/I_N$       | 2.5        |
| $M_A/M_N$       | 1.7        |

|                                     |      |
|-------------------------------------|------|
| $M_K/M_N$                           | 1.7  |
| J 10 <sup>-3</sup> kgm <sup>2</sup> | 1.68 |
| Mb max Nm                           | 4    |
| zL <sup>1)</sup> c/h                | 9500 |
| kg                                  | 8.4  |

## Mechanical Data

|                              |                               |
|------------------------------|-------------------------------|
| Design                       | ALUMINIUM                     |
| Degree of protection         | IP 55                         |
| Bearings DE/NDE              | 6203/2Z                       |
| 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)              | 40                            |

## 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.  |