



## 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 160M ZA8 - 5.5 kW - 8 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type            | AMS 160M ZA |
|-----------------|-------------|
| Poles           | 8           |
| kW              | 5.5         |
| HP              | 7.5         |
| rpm             | 720         |
| Mn Nm           | 73          |
| $\eta$ 50%      | 85.6        |
| $\eta$ 75%      | 85.2        |
| $\eta$ 100%     | 85.0        |
| cos Phi         | 0.73        |
| $I_N$ 400 V     | 12.8        |
| $I_N$ 380-400 V | 13.3        |
| $I_A/I_N$       | 4           |
| $M_A/M_N$       | 1.8         |

|                                     |     |
|-------------------------------------|-----|
| $M_K/M_N$                           | 2.3 |
| J 10 <sup>-3</sup> kgm <sup>2</sup> | 108 |
| Mb max Nm                           | 30  |
| zL <sup>1)</sup> c/h                | 900 |
| kg                                  | 102 |

## 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         |
| Cooling                      | IC 411                        |
| Vibration Level              | A (normal)                    |
| Noise Lpa db(A)              | 56                            |

## 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.                |