



### 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



## TECHNICAL DATA

### Motor Type

AMHEBY 112M AA2 - 4 kW - 2 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type        | AMHEBY 112M AA |
|-------------|----------------|
| Poles       | 2              |
| kW          | 4              |
| HP          | 5.5            |
| rpm         | 2940           |
| Mn Nm       | 13             |
| $\eta$ 50%  | 85.5           |
| $\eta$ 75%  | 87             |
| $\eta$ 100% | 86.8           |
| cos Phi     | 0.88           |
| $I_N$       | 7.6            |
| $I_A/I_N$   | 8              |
| $M_A/M_N$   | 2.9            |
| $M_K/M_N$   | 3.3            |

|                                          |                     |
|------------------------------------------|---------------------|
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 7.2                 |
| <b>Mb max Nm</b>                         | 40(75) <sup>2</sup> |
| <b>zL <sup>1</sup>) c/h</b>              | 1065                |
| <b>kg</b>                                | 44                  |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | Aluminium                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6306/2Z                       |
| <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>              | 68                            |

## Electrical Data

|                              |                              |
|------------------------------|------------------------------|
| <b>Voltage</b>               | 400V - 50Hz                  |
| <b>Connection</b>            | ?/Y 230/400V or ?/Y 400/690V |
| <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.                |