



## Brake Motors - IE3/IE2/IE1

### PREMIUM EFFICIENCY MOTORS - IE3

- 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

IE3

UL

SE

CCC

## TECHNICAL DATA

Motor Type

AMPES 112M AA4 - 4 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

| Type        | AMPES 112M AA |
|-------------|---------------|
| Poles       | 4             |
| kW          | 4             |
| HP          | 5.5           |
| rpm         | 1450          |
| Mn Nm       | 26.4          |
| $\eta$ 50%  | 87.2          |
| $\eta$ 75%  | 88.3          |
| $\eta$ 100% | 88.6          |
| cos Phi     | 0.80          |
| $I_N$       | 8.2           |
| $I_A/I_N$   | 8.5           |
| $M_A/M_N$   | 2.7           |
| $M_K/M_N$   | 3.5           |

|                                          |      |
|------------------------------------------|------|
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 15.1 |
| <b>Mb max Nm</b>                         | 13   |
| <b>zL <sup>1)</sup> c/h</b>              | 1410 |
| <b>kg</b>                                | 36.5 |

## 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.                |