



**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**

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

**PERFORMANCE DATA**

<b>Type</b>	AMHES 112M AA
<b>Poles</b>	4
<b>kW</b>	4
<b>HP</b>	5.5
<b>rpm</b>	1450
<b>Mn Nm</b>	26.3
$\eta$ 50%	86
$\eta$ 75%	87.3
$\eta$ 100%	87.1
<b>cos Phi</b>	0.78
<b>I<sub>N</sub></b>	8.5
<b>I<sub>A</sub>/I<sub>N</sub></b>	6.1
<b>M<sub>A</sub>/M<sub>N</sub></b>	3.1
<b>M<sub>K</sub>/M<sub>N</sub></b>	3.3

<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	15.1
<b>Mb max Nm</b>	13
<b>zL 1) 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.