



### 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



## TECHNICAL DATA

Motor Type

AMPES 112M BA2 - 5.5 kW - 2 poles - 400V - 50Hz

## PERFORMANCE DATA

Type	AMPES 112M BA
Poles	2
kW	5.5
HP	7.5
rpm	2935
Mn Nm	17.9
$\eta$ 50%	85.6
$\eta$ 75%	88.3
$\eta$ 100%	89.2
cos Phi	0.87
$I_N$	10.2
$I_A/I_N$	11.2
$M_A/M_N$	4.2
$M_K/M_N$	4.3

<b>J</b> 10 <sup>-3</sup> kgm <sup>2</sup>	8.3
<b>Mb max</b> Nm	40(75) <sup>2</sup>
<b>zL 1)</b> c/h	1000
<b>kg</b>	46.5

## 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.