



**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** AMBZ 80Z CA2 - 1.5 kW - 2 poles - 400V - 50Hz

**PERFORMANCE DATA**

<b>Type</b>	AMBZ 80Z CA
<b>Poles</b>	2
<b>kW</b>	1.5
<b>HP</b>	2
<b>rpm</b>	2825
<b>Mn Nm</b>	5.07
$\eta$ 50%	74.7
$\eta$ 75%	77.5
$\eta$ 100%	77.8
<b>cos Phi</b>	0.83
<b>I<sub>N</sub> 400 V</b>	3.3
<b>I<sub>N</sub> 380-400 V</b>	3.4
<b>I<sub>A</sub>/I<sub>N</sub></b>	5
<b>M<sub>A</sub>/M<sub>N</sub></b>	2.9

<b><math>M_K/M_N</math></b>	3.3
<b>J <math>10^{-3}</math> kgm<sup>2</sup></b>	1.07
<b>Mb max Nm</b>	15
<b>zL <sup>1)</sup> c/h</b>	3000
<b>kg</b>	16.1

## Electrical Data

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