



### 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 90L CA4 - 1.8 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

Type	AMBZ 90L CA
Poles	4
kW	1.8
HP	2.5
rpm	1380
Mn Nm	12.5
$\eta$ 50%	76.3
$\eta$ 75%	76.5
$\eta$ 100%	75.9
cos Phi	0.81
$I_N$ 400 V	4.2
$I_N$ 380-400 V	4.3
$I_A/I_N$	5.5
$M_A/M_N$	2.7

<b><math>M_K/M_N</math></b>	2.9
<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	3.69
<b>Mb max Nm</b>	40
<b>zL 1) c/h</b>	5150
<b>kg</b>	23

## Mechanical Data

<b>Design</b>	ALUMINIUM
<b>Degree of protection</b>	IP 55
<b>Bearings DE/NDE</b>	6205/2Z
<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>	49

## 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.