



**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** AMBY 90L CA2 - 2.2 kW - 2 poles - 400V - 50Hz

**PERFORMANCE DATA**

<b>Type</b>	AMBY 90L CA
<b>Poles</b>	2
<b>kW</b>	2.2
<b>HP</b>	3
<b>rpm</b>	2860
<b>Mn Nm</b>	7.35
$\eta$ 50%	81.5
$\eta$ 75%	82.8
$\eta$ 100%	81.8
<b>cos Phi</b>	0.81
<b>I<sub>N</sub> 400 V</b>	4.9
<b>I<sub>N</sub> 380-400 V</b>	4.9
<b>I<sub>A</sub>/I<sub>N</sub></b>	7.1
<b>M<sub>A</sub>/M<sub>N</sub></b>	4.1

$M_K/M_N$	4
$J \cdot 10^{-3} \text{ kgm}^2$	1.84
Mb max Nm	15(40) <sup>2</sup>
zL 1) c/h	2500
kg	22

## Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6205/2Z
Lubrication grease	low & high temperature grease
Regreasing device horizontal	permanent lubrication
Regreasing device vertical	permanent lubrication
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	62

## Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 230/400V
Duty type	S1
Thermal protection	na
Insulation class	F
Direction of rotation	bidirectional
Ambient temperature	-20°C / +40 °C
Altitude	1000 m.a.s.l.