



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 90S AA2 - 1.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMBZ 90S AA
Poles	2
kW	1.5
HP	2
rpm	2830
Mn Nm	5.06
η 50%	75.6
η 75%	78.7
η 100%	78.6
cos Phi	0.82
I_N 400 V	3.4
I_N 380-400 V	3.5
I_A/I_N	5
M_A/M_N	3.1

M_K/M_N	3
J 10 ⁻³ kgm ²	1.39
Mb max Nm	15(40) ²)
zL ¹) c/h	3550
kg	18.6

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.