



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 112M AA2 - 4 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMBY 112M AA
Poles	2
kW	4
HP	5.5
rpm	2880
Mn Nm	13.26
η 50%	81.9
η 75%	84
η 100%	83.5
cos Phi	0.82
I _N 400 V	8.4
I _N 380-400 V	8.7
I _A /I _N	8
M _A /M _N	3.4

M_K/M_N	3.6
J 10 ⁻³ kgm ²	5
Mb max Nm	40(75) ²)
zL ¹) c/h	1120
kg	33.8

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6306/2Z
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)	68

Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 230/400V or ?/Y 400/690V
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.