



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 BA2 - 5.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMBY 112M BA
Poles	2
kW	5.5
HP	7.5
rpm	2900
Mn Nm	18.11
η 50%	83.6
η 75%	84.7
η 100%	85
cos Phi	0.86
I_N 400 V	10.9
I_N 380-400 V	11.2
I_A/I_N	7.8
M_A/M_N	3.5

M_K/M_N	3.6
J 10 ⁻³ kgm ²	6.1
Mb max Nm	40(75) ²)
zL ¹) c/h	1000
kg	36.9

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.