



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 160M YA8 - 4 kW - 8 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMBY 160M YA
Poles	8
kW	4
HP	5.5
rpm	700
Mn Nm	55
η 50%	84.9
η 75%	84.5
η 100%	84.4
cos Phi	0.72
I_N 400 V	9.5
I_N 380-400 V	9.7
I_A/I_N	4.5
M_A/M_N	1.8

M_K/M_N	2.2
J 10 ⁻³ kgm ²	79
Mb max Nm	150(250) ²)
zL ¹) c/h	1320
kg	102

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6309/2Z
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)	56

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.