



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 XA2 - 15 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMBY 160M XA
Poles	2
kW	15
HP	20
rpm	2940
Mn Nm	48.72
η 50%	87.3
η 75%	88.9
η 100%	88.9
cos Phi	0.85
I_N 400 V	28.6
I_N 380-400 V	29.6
I_A/I_N	8.1
M_A/M_N	3.1

M_K/M_N	3.7
J 10⁻³ kgm²	46.1
Mb max Nm	150(250) ²
zL 1) c/h	350
kg	121

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)	74

Electrical Data

Voltage	400V - 50Hz
Connection	?/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.