



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 80Z AA - 0.55 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMBY 80Z AA
Poles	4
kW	0.55
HP	0.75
rpm	1400
Mn Nm	3.75
η 50%	67
η 75%	69
η 100%	70
cos Phi	0.72
I_N 400 V	1.6
I_N 380-400 V	1.7
I_A/I_N	3.6
M_A/M_N	2.6

M_K/M_N	2.6
J 10 ⁻³ kgm ²	1.49
Mb max Nm	7.5(15) ²)
zL ¹) c/h	6700
kg	12.4

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6204/2Z
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)	48

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.