



AC Three-phase Motors - IE4/IE3/IE2/IE1

STANDARD EFFICIENCY MOTORS - IE1

- Reliability and efficiency in a well-designed robust package
- Extensive customization options ensure motors match application needs



TECHNICAL DATA

Motor Type

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

PERFORMANCE DATA

Type	AM 112M AA
Poles	2
kW	4
HP	5.5
rpm	2880
Mn Nm	13.3
η 50%	81.9
η 75%	84.0
η 100%	83.5
cos Phi	0.82
I_N 400V	8.4
I_N 380-420V	8.7
I_A/I_N	8.0
M_A/M_N	3.4

M_S/M_N	3.5
M_K/M_N	3.6
J 10⁻³ kgm²	4.65
kg	24.3

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 - ?/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.