



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 AA8 - 1.5 kW - 8 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 112M AA
Poles	8
kW	1.5
HP	2
rpm	696
Mn Nm	20.6
η 50%	66.0
η 75%	69.0
η 100%	70.0
cos Phi	0.66
I _N 400V	4.6
I _N 380-420V	4.8
I _A /I _N	4.0
M _A /M _N	1.8

M_S/M_N	2.0
M_K/M_N	2.4
J 10 ⁻³ kgm ²	15.35
kg	35.0

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)	46

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.