



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 BA4 - 5.5 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 112M BA
Poles	4
kW	5.5
HP	7.5
rpm	1430
Mn Nm	36.7
η 50%	84.1
η 75%	84.8
η 100%	84.0
cos Phi	0.83
I_N 400V	11.4
I_N 380-420V	11.7
I_A/I_N	6.5
M_A/M_N	2.2

M_S/M_N	2.0
M_K/M_N	2.9
$J \cdot 10^{-3} \text{ kgm}^2$	13.5
kg	34.0

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)	53

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.