



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 CA6 - 3 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 112M CA
Poles	6
kW	3
HP	4
rpm	940
Mn Nm	30.5
η 50%	81.8
η 75%	82.8
η 100%	82.8
cos Phi	0.74
I _N 400V	7.0
I _N 380-420V	7.2
I _A /I _N	5.3
M _A /M _N	2.9

M_S/M_N	2.9
M_K/M_N	2.9
$J \cdot 10^{-3} \text{ kgm}^2$	17.9
kg	39.0

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
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.