



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 100L CA2 - 5.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 100L CA
Poles	2
kW	5.5
HP	7.5
rpm	2865
Mn Nm	18.3
η 50%	83.7
η 75%	84.6
η 100%	83.3
cos Phi	0.86
I_N 400V	11.1
I_N 380-420V	11.3
I_A/I_N	7.2
M_A/M_N	3.5

M_S/M_N	3.4
M_K/M_N	4.1
J 10⁻³ kgm²	3.9
kg	25.9

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6206/2Z
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)	66

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.