



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 BA2 - 4 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 100L BA
Poles	2
kW	4
HP	5.5
rpm	2835
Mn Nm	13.5
η 50%	81.1
η 75%	82.5
η 100%	81.7
cos Phi	0.88
I_N 400V	8.0
I_N 380-420V	8.1
I_A/I_N	6.2
M_A/M_N	2.9

M_S/M_N	2.5
M_K/M_N	2.9
J 10⁻³ kgm²	2.9
kg	19.7

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.