



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 160M AA4 - 11 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 160M AA
Poles	4
kW	11
HP	15
rpm	1470
Mn Nm	71.9
η 50%	87.0
η 75%	88.9
η 100%	87.6
cos Phi	0.82
I _N 400V	22.0
I _N 380-420V	22.7
I _A /I _N	8.2
M _A /M _N	2.1

M_S/M_N	1.7
M_K/M_N	2.8
$J \cdot 10^{-3} \text{ kgm}^2$	69.0
kg	90.0

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6309/2Z
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)	62

Electrical Data

Voltage	400V - 50Hz
Connection	?/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.