



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 ZA6 - 7.5 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 160M ZA
Poles	6
kW	7.5
HP	10
rpm	970
Mn Nm	73.8
η 50%	84.4
η 75%	86.5
η 100%	86.3
cos Phi	0.78
I_N 400V	16.0
I_N 380-420V	16.3
I_A/I_N	6.2
M_A/M_N	2.8

M_S/M_N	2.7
M_K/M_N	3.2
J 10⁻³ kgm²	103
kg	96.6

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)	58

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.