



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 ZA8 - 5.5 kW - 8 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 160M ZA
Poles	8
kW	5.5
HP	7.5
rpm	720
Mn Nm	72.9
η 50%	85.6
η 75%	85.2
η 100%	85.0
cos Phi	0.73
I_N 400V	12.8
I_N 380-420V	13.3
I_A/I_N	4.0
M_A/M_N	1.8

M_S/M_N	1.6
M_K/M_N	2.3
$J \cdot 10^{-3} \text{ kgm}^2$	103.7
kg	92.0

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)	56

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.