



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 80Z CA2 - 1.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 80Z CA
Poles	2
kW	1.5
HP	2
rpm	2825
Mn Nm	5.1
η 50%	74.7
η 75%	77.5
η 100%	77.8
cos Phi	0.83
I_N 400V	3.3
I_N 380-420V	3.4
I_A/I_N	5.0
M_A/M_N	2.9

M_S/M_N	3.0
M_K/M_N	3.3
$J \cdot 10^{-3} \text{ kgm}^2$	0.92
kg	11.1

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6204/2Z
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)	60

Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 230/400V
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.