



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 BA2 - 1.1 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 80Z BA
Poles	2
kW	1.1
HP	1.5
rpm	2810
Mn Nm	3.7
η 50%	72.1
η 75%	75.0
η 100%	75.3
cos Phi	0.82
I_N 400V	2.5
I_N 380-420V	2.6
I_A/I_N	4.6
M_A/M_N	2.4

M_S/M_N	2.8
M_K/M_N	2.9
$J \cdot 10^{-3} \text{ kgm}^2$	0.75
kg	9.5

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.