



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 BA4 - 0.75 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 80Z BA
Poles	4
kW	0.75
HP	1
rpm	1410
Mn Nm	5.1
η 50%	68.7
η 75%	70.8
η 100%	72.4
cos Phi	0.72
I_N 400V	2.1
I_N 380-420V	2.2
I_A/I_N	4.4
M_A/M_N	2.8

M_S/M_N	2.3
M_K/M_N	2.8
$J \cdot 10^{-3} \text{ kgm}^2$	1.78
kg	9.3

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)	48

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.