



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 BA6 - 0.55 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 80Z BA
Poles	6
kW	0.55
HP	0.75
rpm	920
Mn Nm	5.7
η 50%	60.0
η 75%	64.0
η 100%	68.0
cos Phi	0.67
I _N 400V	1.75
I _N 380-420V	1.8
I _A /I _N	2.9
M _A /M _N	2.2

M_S/M_N	2.1
M_K/M_N	2.1
$J \cdot 10^{-3} \text{ kgm}^2$	2.36
kg	9.4

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)	40

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.