



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 63Z AA4 - 0.12 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 63Z AA
Poles	4
kW	0.12
HP	0.16
rpm	1350
Mn Nm	0.8
η 50%	46.0
η 75%	50.0
η 100%	57.0
cos Phi	0.65
I _N 400V	0.50
I _N 380-420V	0.55
I _A /I _N	2.4
M _A /M _N	2.0

M_S/M_N	1.9
M_K/M_N	2.0
$J \cdot 10^{-3} \text{ kgm}^2$	0.25
kg	3.3

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6202/2Z
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)	38

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.