



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 132M YA6 - 4 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 132M YA
Poles	6
kW	4
HP	5.5
rpm	950
Mn Nm	40.2
η 50%	81.4
η 75%	83.1
η 100%	82.7
cos Phi	0.71
I _N 400V	9.9
I _N 380-420V	10.5
I _A /I _N	4.5
M _A /M _N	2.2

M_S/M_N	2.0
M_K/M_N	2.5
$J \cdot 10^{-3} \text{ kgm}^2$	28.9
kg	42.5

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6208/2Z
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)	57

Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 230/400V - ?/Y 400/690V
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.