



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 132S YA2 - 5.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 132S YA
Poles	2
kW	5.5
HP	7.5
rpm	2890
Mn Nm	18.2
η 50%	83.2
η 75%	84.7
η 100%	85.0
cos Phi	0.83
I _N 400V	11.3
I _N 380-420V	11.4
I _A /I _N	6.0
M _A /M _N	2.2

M_S/M_N	2.1
M_K/M_N	2.3
$J \cdot 10^{-3} \text{ kgm}^2$	9.5
kg	37.0

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)	72

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.