



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 90S AA6 - 0.75 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 90S AA
Poles	6
kW	0.75
HP	1
rpm	910
Mn Nm	7.9
η 50%	70.5
η 75%	72.5
η 100%	71.5
cos Phi	0.63
I _N 400V	2.4
I _N 380-420V	2.5
I _A /I _N	2.9
M _A /M _N	1.7

M_S/M_N	1.5
M_K/M_N	1.7
$J \cdot 10^{-3} \text{ kgm}^2$	2.9
kg	11.6

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6205/2Z
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)	46

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.