



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 90L CA4 - 1.8 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 90L CA
Poles	4
kW	1.8
HP	2.5
rpm	1380
Mn Nm	12.5
η 50%	76.3
η 75%	76.5
η 100%	75.9
cos Phi	0.81
I _N 400V	4.2
I _N 380-420V	4.3
I _A /I _N	5.5
M _A /M _N	2.7

M_S/M_N	2.5
M_K/M_N	2.9
$J \cdot 10^{-3} \text{ kgm}^2$	3.35
kg	14.5

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)	49

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.