



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 BA6 - 1.1 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 90L BA
Poles	6
kW	1.1
HP	1.5
rpm	920
Mn Nm	11.4
η 50%	72.0
η 75%	73.5
η 100%	73.0
cos Phi	0.66
I_N 400V	3.3
I_N 380-420V	3.4
I_A/I_N	3.0
M_A/M_N	1.7

M_S/M_N	1.5
M_K/M_N	1.7
$J \cdot 10^{-3} \text{ kgm}^2$	4.38
kg	15.0

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.