



AC Three-phase Motors - IE4/IE3/IE2/IE1

HIGH EFFICIENCY MOTORS - IE2/CURUS

- Total reliability and longevity in a well-engineered package
- Extensive customization options ensure motors match application needs



TECHNICAL DATA

Motor Type

AMHE 90S AA4 - 1.1 kW - 4 poles - 400V - 50Hz / 460V - 60Hz

PERFORMANCE DATA

Type	AMHE 90S AA
Poles	4
kW	1.1
HP	1.5
rpm	1430
Mn Nm	7.3
η 50%	81.4
η 75%	82.7
η 100%	82.5
cos Phi	0.77
I_N	2.5
I_A/I_N	6.1
M_A/M_N	4.0

M_S/M_N	3.9
M_K/M_N	4.1
J 10⁻³ kgm²	3.73
kg	16.4

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 / 460V - 60Hz
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.