



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 112M AA4 - 4 kW - 4 poles - 400V - 50Hz / 460V - 60Hz

PERFORMANCE DATA

Type	AMHE 112M AA
Poles	4
kW	4
HP	5.5
rpm	1450
Mn Nm	26.3
η 50%	86.0
η 75%	87.3
η 100%	87.1
cos Phi	0.78
I_N	8.5
I_A/I_N	6.1
M_A/M_N	3.1

M_S/M_N	2.8
M_K/M_N	3.3
$J \cdot 10^{-3} \text{ kgm}^2$	13.3
kg	30.4

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6306/2Z
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)	53

Electrical Data

Voltage	400V - 50Hz / 460V - 60Hz
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.