



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

AMEE 160M YA6 - 5.5 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMEE 160M YA
Poles	6
kW	5.5
HP	7.5
rpm	975
Mn Nm	53.9
η 50%	84.7
η 75%	85.6
η 100%	86.1
cos Phi	0.78
I_N	11.7
I_A/I_N	7.4
M_A/M_N	2.3
M_S/M_N	2.3

M_K/M_N	3.0
J 10⁻³ kgm²	75.2
kg	70.5

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6309/2Z
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)	58

Electrical Data

Voltage	400V - 50Hz
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.