



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

SUPER PREMIUM EFFICIENCY MOTORS - IE4/CURUS

- Wide range from 0.75 to 200kW
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



TECHNICAL DATA

Motor Type

AMQE 160M AA6 - 5.5 kW - 6 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMQE 160M AA
Poles	6
kW	5.5
HP	7.5
rpm	981
Mn Nm	53.6
η 50%	88.2
η 75%	90.2
η 100%	90.5
cos Phi	0.78
I_N 400V	10.3
I_N 460V	-
I_N 575V	-
I_A/I_N	7.9

M_A/M_N	1.7
M_S/M_N	1.0
M_K/M_N	3.1
$J \cdot 10^{-3} \text{ kgm}^2$	130.0
kg	105.0

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
Grease Quantity	-
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.