LAFERTGROUP
Member of Sumitomo Drive Technologies



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 112M AA2 - 4 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMQE 112M AA
Poles	2
kW	4
HP	5.5
rpm	2950
Mn Nm	13
η 50%	87.9
η 75%	89.7
η 100%	90.0
cos Phi	0.83
I_N 400V	7.8
I_N 460V	-
I_N 575V	-
I_A/I_N	16.0

M_A/M_N	5.3
M_S/M_N	4.2
M_K/M_N	5.7
J 10^{-3} kgm²	8.6
kg	33.6

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
Grease Quantity	-
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	68

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.