



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

AMQH 112M AA2 - 3.7 kW - 2 poles - 460V - 60Hz / 575V - 60Hz

PERFORMANCE DATA

Type	AMQH 112M AA
Poles	2
kW	3.7
HP	5
rpm	3555
Mn Nm	10.0
η 50%	85.4
η 75%	89.0
η 100%	89.5
cos Phi	0.81
I_N 400V	-
I_N 460V	6.5
I_N 575V	5.2

I_A/I_N	12.2
M_A/M_N	4.8
M_S/M_N	4.2
M_K/M_N	5.2
$J \cdot 10^{-3} \text{ kgm}^2$	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	460V - 60Hz / 575V - 60Hz
Connection	
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.