



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 90S AA2 - 1.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMQE 90S AA
Poles	2
kW	1.5
HP	2
rpm	2910
Mn Nm	4.9
η 50%	85.6
η 75%	87.2
η 100%	86.5
cos Phi	0.81
I_N 400V	3.1
I_N 460V	-
I_N 575V	-
I_A/I_N	9.0

M_A/M_N	4.8
M_S/M_N	4.2
M_K/M_N	5.1
$J \cdot 10^{-3} \text{ kgm}^2$	1.6
kg	16.4

Mechanical Data

Design	Aluminium
Degree of protection	IP 55
Bearings DE/NDE	6205/2Z
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)	62

Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 230/400V
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.