



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

IE4

ENERGY
CLASS

US

US

SP

TECHNICAL DATA

Motor Type

AMQH 90S BA44 - 1.1 kW - 4 poles - 460V - 60Hz / 575V - 60Hz

PERFORMANCE DATA

Type	AMQH 90S BA4
Poles	4
kW	1.1
HP	1.5
rpm	1755
Mn Nm	6.0
η 50%	83.7
η 75%	86.7
η 100%	87.5
cos Phi	0.69
I _N 400V	-
I _N 460V	2.3
I _N 575V	1.8

I_A/I_N	9.9
M_A/M_N	5.6
M_S/M_N	5.2
M_K/M_N	6.2
$J \cdot 10^{-3} \text{ kgm}^2$	3.9
kg	20.0

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)	49

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.