



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

PREMIUM EFFICIENCY MOTORS - IE3/CURUS

- IE3 Premium Efficiency compliant since 2010
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



TECHNICAL DATA

Motor Type AMPH 90L CA4 - 1.8 kW - 4 poles - 460V - 60Hz

PERFORMANCE DATA

Type	AMPH 90L CA
Poles	4
kW	1.8
HP	2.4
rpm	1730
Mn Nm	9.9
η 50%	85.2
η 75%	86.7
η 100%	86.5
cos Phi	0.68
I_N	3.8
I_A/I_N	7.8
M_A/M_N	3.9
M_S/M_N	3.8

M_K/M_N	4.1
J 10⁻³ kgm²	3.7
kg	18.8

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
Connection	YY/Y 230/460V - ? 460V
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.