



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

STANDARD EFFICIENCY MOTORS - IE1

- Reliability and efficiency in a well-designed robust package
- Extensive customization options ensure motors match application needs



TECHNICAL DATA

Motor Type

AM 160L CA4 - 18.5 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 160L CA
Poles	4
kW	18.5
HP	25
rpm	1460
Mn Nm	121.8
η 50%	88.9
η 75%	90.1
η 100%	89.3
cos Phi	0.84
I_N 400V	35.5
I_N 380-420V	36.0
I_A/I_N	8.2
M_A/M_N	2.1

M_S/M_N	1.7
M_K/M_N	2.8
J 10⁻³ kgm²	105.0
kg	105.0

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE/NDE	6309/2Z
Lubrication grease	low & high temperature grease
Regreasing device horizontal	permanent lubrication
Regreasing device vertical	permanent lubrication
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	62

Electrical Data

Voltage	400V - 50Hz
Connection	?/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.