



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 XA2 - 18.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AM 160L XA
Poles	2
kW	18.5
HP	25
rpm	2950
Mn Nm	59.9
η 50%	88.2
η 75%	89.7
η 100%	89.6
cos Phi	0.87
I _N 400V	34.3
I _N 380-420V	34.8
I _A /I _N	8.5
M _A /M _N	3.6

M_S/M_N	3.0
M_K/M_N	4.2
J 10⁻³ kgm²	57.0
kg	107.8

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)	74

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.