



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 160L ZA2 - 18.5 kW - 2 poles - 460V - 60Hz

PERFORMANCE DATA

Type	AMPH 160L ZA
Poles	2
kW	18.5
HP	25
rpm	3555
Mn Nm	49.7
η 50%	90.0
η 75%	92.2
η 100%	91.7
cos Phi	0.82
I_N	31.0
I_A/I_N	12.5
M_A/M_N	4.6
M_S/M_N	3.3

M_K/M_N	6.0
J 10⁻³ kgm²	64.0
kg	108

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
Grease Quantity	-
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	74

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.