



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

AMPE 180M AB4 - 18.5 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMPE 180M AB
Poles	4
kW	18.5
HP	25
rpm	1470
Mn Nm	122
η 50%	92.0
η 75%	92.8
η 100%	92.6
cos Phi	0.78
I_N	37.0
I_A/I_N	7.1
M_A/M_N	2.1
M_S/M_N	1.9

M_K/M_N	2.6
J 10⁻³ kgm²	120.7
kg	127

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)	58

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.