LAFERTGROUP
Member of Sumitomo Drive Technologies



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

SUPER PREMIUM EFFICIENCY MOTORS - IE4/CURUS

- Wide range from 0.75 to 200kW
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs

IE4

TECHNICAL DATA

Motor Type	AMQE 180M ZG4 - 18.5 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMQE 180M ZG
Poles	4
kW	18.5
HP	25
rpm	1480
Mn Nm	119.4
η 50%	92.3
η 75%	94.2
η 100%	94.2
cos Phi	0.86
I_N 400V	33.0
I_N 460V	-
I_N 575V	-
I_A/I_N	7.8

M_A/M_N	2.0
M_S/M_N	1.9
M_K/M_N	2.3
J 10^{-3} kgm²	139
kg	181

Mechanical Data

Design	Cast iron
Degree of protection	IP 55
Bearings DE/NDE	6311 C3
Lubrication grease	low & high temperature grease
Regreasing device horizontal	5.000 hours
Regreasing device vertical	5.000 hours
Grease Quantity	20 gr
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	66

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.