



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

HIGH EFFICIENCY MOTORS - IE2/CURUS

- Total reliability and longevity in a well-engineered package
- Extensive customization options ensure motors match application needs



TECHNICAL DATA

Motor Type

AMHE 160L DA4 - 22 kW - 4 poles - 400V - 50Hz / 460V - 60Hz

PERFORMANCE DATA

Type	AMHE 160L DA
Poles	4
kW	22
HP	30
rpm	1460
Mn Nm	143.9
η 50%	92.4
η 75%	92.5
η 100%	91.9
cos Phi	0.80
I_N	43.5
I_A/I_N	8.3
M_A/M_N	2.2

M_S/M_N	1.6
M_K/M_N	3.0
$J \cdot 10^{-3} \text{ kgm}^2$	120.7
kg	110

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 / 460V - 60Hz
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.