



Brake Motors - IE3/IE2/IE1

HIGH EFFICIENCY MOTORS - IE2

- Options make motors suitable for either onshore or offshore duties
- Engineered to give high performance with maximum efficiency
- Reliability & durability ensured through total control over component supply chains



TECHNICAL DATA

Motor Type

AMHES 160L ZA2 - 18.5 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMHES 160L ZA
Poles	2
kW	18.5
HP	25
rpm	2935
Mn Nm	60
η 50%	90.3
η 75%	91.6
η 100%	91.2
cos Phi	0.88
I_N	33.3
I_A/I_N	7.9
M_A/M_N	2.8
M_K/M_N	3.4

J 10⁻³ kgm²	62
Mb max Nm	30
zL ¹⁾ c/h	280
kg	118

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.