



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 DA4 - 22 kW - 4 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMHES 160L DA
Poles	4
kW	22
HP	30
rpm	1460
Mn Nm	144.0
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_K/M_N	3

J 10 ⁻³ kgm ²	- ³⁾
Mb max Nm	- ³⁾
zL ¹⁾ c/h	- ³⁾
kg	- ³⁾

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
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.