



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 80Z BA2 - 1.1 kW - 2 poles - 400V - 50Hz

PERFORMANCE DATA

Type	AMHES 80Z BA
Poles	2
kW	1.1
HP	1.5
rpm	2880
Mn Nm	3.6
η 50%	79.5
η 75%	81.2
η 100%	81.5
cos Phi	0.78
I_N	2.5
I_A/I_N	6.8
M_A/M_N	3.6
M_K/M_N	3.6

J 10⁻³ kgm²	2.12
Mb max Nm	7
zL ¹⁾ c/h	1300
kg	16

Mechanical Data

Design	Aluminium
Degree of protection	IP 55
Bearings DE/NDE	6204/2Z
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)	60

Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 230/400V
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.