



### 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
$\eta$ 50%	90.3
$\eta$ 75%	91.6
$\eta$ 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

<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	62
<b>Mb max Nm</b>	30
<b>zL 1) c/h</b>	280
<b>kg</b>	118

## Mechanical Data

<b>Design</b>	Aluminium
<b>Degree of protection</b>	IP 55
<b>Bearings DE/NDE</b>	6309/2Z
<b>Lubrication grease</b>	low & high temperature grease
<b>Regreasing device horizontal</b>	permanent lubrication
<b>Regreasing device vertical</b>	permanent lubrication
<b>Cooling</b>	IC 411
<b>Vibration Level</b>	A (normal)
<b>Noise Lpa db(A)</b>	74

## Electrical Data

<b>Voltage</b>	400V - 50Hz
<b>Connection</b>	?/Y 400/690V
<b>Duty type</b>	S1
<b>Thermal protection</b>	na
<b>Insulation class</b>	F
<b>Direction of rotation</b>	bidirectional
<b>Ambient temperature</b>	-20°C / +40 °C
<b>Altitude</b>	1000 m.a.s.l.