



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

#### STANDARD EFFICIENCY MOTORS - IE1

- Reliability and efficiency in a well-designed robust package
- Extensive customization options ensure motors match application needs



## TECHNICAL DATA

Motor Type

AM 80Z BA6 - 0.55 kW - 6 poles - 400V - 50Hz

## PERFORMANCE DATA

Type	AM 80Z BA
Poles	6
kW	0.55
HP	0.75
rpm	920
Mn Nm	5.7
$\eta$ 50%	60.0
$\eta$ 75%	64.0
$\eta$ 100%	68.0
cos Phi	0.67
$I_N$ 400V	1.75
$I_N$ 380-420V	1.8
$I_A/I_N$	2.9
$M_A/M_N$	2.2

<b>M<sub>S</sub>/M<sub>N</sub></b>	2.1
<b>M<sub>K</sub>/M<sub>N</sub></b>	2.1
<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	2.36
<b>kg</b>	9.4

## Mechanical Data

<b>Design</b>	ALUMINIUM
<b>Degree of protection</b>	IP 55
<b>Bearings DE/NDE</b>	6204/2Z
<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>	40

## Electrical Data

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