



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

### TWO SPEED MOTORS

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



## TECHNICAL DATA

**Motor Type** AM 160M YA8/4 - 4/6.3 kW - 8/4 poles - 400V - 50Hz

## PERFORMANCE DATA

<b>Type</b>	AM 160M YA
<b>Poles</b>	8/4
<b>kW</b>	4/6.3
<b>HP</b>	5.5/8.6
<b>rpm</b>	710/1410
<b>Mn Nm</b>	53.8/42.7
<b><math>\eta</math> 100%</b>	80/81
<b>cos Phi</b>	0.64/0.88
<b><math>I_N</math> 400V</b>	11.3/12.8
<b><math>I_N</math> 380-420V</b>	12.3/13.5
<b><math>I_A/I_N</math></b>	4.6/6.5
<b><math>M_A/M_N</math></b>	1.8/1.7
<b>J <math>10^{-3}</math> kgm<sup>2</sup></b>	81.25
<b>kg</b>	88.5

## 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>	62

## Electrical Data

<b>Voltage</b>	400V - 50Hz
<b>Connection</b>	DAHLANDER - ?/YY