



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

**PREMIUM EFFICIENCY MOTORS - IE3/CURUS**

- IE3 Premium Efficiency compliant since 2010
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



**TECHNICAL DATA**

**Motor Type**

AMPE 112M CA2 - 7.5 kW - 2 poles - 400V - 50Hz

**PERFORMANCE DATA**

<b>Type</b>	AMPE 112M CA
<b>Poles</b>	2
<b>kW</b>	7.5
<b>HP</b>	10
<b>rpm</b>	2930
<b>Mn Nm</b>	24.5
$\eta$ 50%	88.0
$\eta$ 75%	89.7
$\eta$ 100%	90.1
<b>cos Phi</b>	0.84
<b>I<sub>N</sub></b>	14.4
<b>I<sub>A</sub>/I<sub>N</sub></b>	10.4
<b>M<sub>A</sub>/M<sub>N</sub></b>	4.5
<b>M<sub>S</sub>/M<sub>N</sub></b>	3.5

<b>M<sub>K</sub>/M<sub>N</sub></b>	4.6
<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	10.5
<b>kg</b>	36

## Mechanical Data

<b>Design</b>	Aluminium
<b>Degree of protection</b>	IP 55
<b>Bearings DE/NDE</b>	6306/2Z
<b>Lubrication grease</b>	low & high temperature grease
<b>Regreasing device horizontal</b>	permanent lubrication
<b>Regreasing device vertical</b>	permanent lubrication
<b>Grease Quantity</b>	-
<b>Cooling</b>	IC 411
<b>Vibration Level</b>	A (normal)
<b>Noise Lpa db(A)</b>	68

## 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.