



**Motori Asincroni Trifase - IE4/IE3/IE2/IE1**

**MOTORI STANDARD EFFICIENCY - IE1**

- Affidabilità assoluta: solido, prestante, duraturo
- Infinite possibilità di personalizzazione per ogni esigenza applicativa



**TECHNICAL DATA**

**Motor Type** AM 90L CA4 - 1.8 kW - 4 poles - 400V - 50Hz

**PERFORMANCE DATA**

Type	AM 90L CA
Poles	4
kW	1.8
HP	2.5
rpm	1380
Mn Nm	12.5
$\eta$ 50%	76.3
$\eta$ 75%	76.5
$\eta$ 100%	75.9
cos Phi	0.81
I <sub>N</sub> 400V	4.2
I <sub>N</sub> 380-420V	4.3
I <sub>A</sub> /I <sub>N</sub>	5.5
M <sub>A</sub> /M <sub>N</sub>	2.7

<b>M<sub>S</sub>/M<sub>N</sub></b>	2.5
<b>M<sub>K</sub>/M<sub>N</sub></b>	2.9
<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	3.35
<b>kg</b>	14.5

## Mechanical Data

<b>Design</b>	ALUMINIUM
<b>Degree of protection</b>	IP 55
<b>Bearings DE/NDE</b>	6205/2Z
<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>	49

## 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.