



**Single-phase Motors - IE2**

**STANDARD MOTORS**

- Customisation at all levels



**TECHNICAL DATA**

**Motor Type**

AMME 90L CA2 - 1.8 kW - 2 poles - 230V - 50Hz

**PERFORMANCE DATA**

<b>Type</b>	AMME 90L CA
<b>Poles</b>	2
<b>kW</b>	1.8
<b>HP</b>	2.5
<b>rpm</b>	2790
$\eta$ 100%	73
<b>cos Phi</b>	0.99
<b>I<sub>N</sub> 230V</b>	10.8
<b>I<sub>N</sub> 220-240V</b>	11.2
<b>I<sub>A</sub>/I<sub>N</sub></b>	3.7
<b>M<sub>A</sub>/M<sub>N</sub></b>	1.6
<b>M<sub>K</sub>/M<sub>N</sub></b>	2.0
<b>J 10<sup>-3</sup> kgm<sup>2</sup></b>	2.09
<b>kg</b>	18.7

## 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>	62

## Electrical Data

<b>Voltage</b>	230V - 50Hz
<b>Connection</b>	230V
<b>Running Capacitor Microf</b>	40
<b>Starting Capacitor Microf</b>	108 - 130
<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.