



Single-phase Motors - IE2

**HIGH EFFICIENCY MOTORS - IE2**

- Customisation at all levels



## TECHNICAL DATA

Motor Type

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

## PERFORMANCE DATA

Type	AMMHE 90L CA
Poles	2
kW	1.8
HP	2.5
rpm	2840
Mn Nm	6.1
$\eta$ 100%	82.2
cos Phi	0.98
$I_N$ 230V	9.9
$I_A/I_N$	4.6
$M_A/M_N$	0.5
$M_K/M_N$	2.0
J $10^{-3}$ kgm <sup>2</sup>	2.11
kg	19.3

## 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>	50
<b>Starting Capacitor Microf</b>	-
<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.