



**Pacchetti Motore Sincrono PM e Azionamento - IES2**

**MOTORE PM CON AZIONAMENTO INTEGRATO NDE - IES2**

- Massima integrazione per ventilatori assiali
- Montaggio PAD per ottimizzare il flusso d'aria
- Efficienza Super Premium Efficiency IE5

**HP Axial**  **IES2**

## TECHNICAL DATA

**Motor Type**

HPAX 112 3000 82 4 kW - 3000 rpm | Drive three-phase - 200-240V

## PERFORMANCE DATA

<b>Package Type</b>	HPAX 112 3000 82
<b>Rated Speed rpm</b>	3000
<b>Rated Power kW</b>	4
<b>Rated Power HP</b>	5.5
<b>Rated Torque Nm</b>	12.7
<b>Peak Torque Nm</b>	19.1
<b>Rated Current Arms</b>	8.5
<b>Voltage Constant Vs</b>	0.9
<b>Torque Constant Nm/A</b>	1.56
<b>Motor Efficiency IE code</b>	IE5
<b>Motor Efficiency <math>\eta</math> %</b>	90.7
<b>Drive Efficiency IE code</b>	IE2
<b>HPI Efficiency IE code</b>	IES2

HPI Efficiency $\eta$ %	89.1
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## Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE	6208 2Z
Bearings NDE	6306 2Z
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Cooling	IC 411
Vibration Level	A (normal)

## Electrical Data

Supply Voltage	400V - 50Hz
Duty type	S1
Insulation class	F
Direction of rotation	bidirectional
Ambient temperature	-15°C / +40 °C
Altitude	1000 m.a.s.l.

## Drive Data

Supply Voltage	three-phase
Drive Voltage	200-240V
Safety Function	-
Drive Torque	variable
Fieldbus	CANopen; Modbus RTU
Inputs	2 Digital; 2 Analog
Outputs	2 Digital; 2 Analog
Degree of Protection	IP 55