



**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 - 380-480V

## 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 |
|-------------------------|------|

## 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        | 380-480V            |
| Safety Function      | -                   |
| Drive Torque         | variable            |
| Fieldbus             | CANopen; Modbus RTU |
| Inputs               | 2 Digital; 2 Analog |
| Outputs              | 2 Digital; 2 Analog |
| Degree of Protection | IP 55               |