



**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 90 1500 32 1.5 kW - 1500 rpm | Drive three-phase - 200-240V

**PERFORMANCE DATA**

|                           |                 |
|---------------------------|-----------------|
| Package Type              | HPAX 90 1500 32 |
| Rated Speed rpm           | 1500            |
| Rated Power kW            | 1.5             |
| Rated Power HP            | 2               |
| Rated Torque Nm           | 9.5             |
| Peak Torque Nm            | 14.3            |
| Rated Current Arms        | 3.2             |
| Voltage Constant Vs       | 1.73            |
| Torque Constant Nm/A      | 3.00            |
| Motor Efficiency IE code  | IE5             |
| Motor Efficiency $\eta$ % | 89.1            |
| Drive Efficiency IE code  | IE2             |
| HPI Efficiency IE code    | IES2            |

|                                           |      |
|-------------------------------------------|------|
| <b>HPI Efficiency <math>\eta</math> %</b> | 88.0 |
|-------------------------------------------|------|

## Mechanical Data

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Design</b>               | ALUMINIUM                     |
| <b>Degree of protection</b> | IP 55                         |
| <b>Bearings DE</b>          | 6206 2Z                       |
| <b>Bearings NDE</b>         | 6304 2Z                       |
| <b>Lubrication grease</b>   | low & high temperature grease |
| <b>Regreasing device</b>    | permanent lubrication         |
| <b>Cooling</b>              | IC 411                        |
| <b>Vibration Level</b>      | A (normal)                    |

## Electrical Data

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

## Drive Data

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