



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

**MOTORE PM CON AZIONAMENTO INTEGRATO - IES2**

- Massima integrazione per performance sempre migliori
- Motore IE5 + VFD IE2
- L'affidabilità di un motore AC e le prestazioni di un Brushless

**HP Integral**  
Smart Flow Plus  
solutions to meet your needs

**IES2**

**TECHNICAL DATA**

**Motor Type**

HPI 112 3000 318\_Flow 15 kW - 3000 rpm | Drive three-phase - 380-480V

**PERFORMANCE DATA**

|  |                       |
|--|-----------------------|
| <b>Package Type</b>                    | HPI 112 3000 318_Flow |
| <b>Rated Speed rpm</b>                 | 3000                  |
| <b>Rated Power kW</b>                  | 15                    |
| <b>Rated Power HP</b>                  | 20                    |
| <b>Rated Torque Nm</b>                 | 47.8                  |
| <b>Peak Torque Nm</b>                  | 71.7                  |
| <b>Rated Current Arms</b>              | 31.8                  |
| <b>Peak Current Arms</b>               | 47.8                  |
| <b>Rated input current 380Vac Arms</b> | 31.5                  |
| <b>Rated input current 480Vac Arms</b> | 25.0                  |
| <b>Torque Constant Nm/A</b>            | 1.5                   |
| <b>HPI Weight kg</b>                   | 38.5                  |
| <b>Motor Efficiency IE code</b>        | IE5                   |

|                                 |      |
|---------------------------------|------|
| <b>Drive Type</b>               | Flow |
| <b>Drive Efficiency IE code</b> | IE2  |
| <b>HPI Efficiency IE code</b>   | IES2 |
| <b>HPI Efficiency ? %</b>       | 92.9 |

## Mechanical Data

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Design</b>               | ALUMINIUM                     |
| <b>Degree of protection</b> | IP 55                         |
| <b>Bearings DE</b>          | 6208 2Z                       |
| <b>Bearings NDE</b>         | 6306 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>              | 1001 m.a.s.l.  |

## Drive Data

|                        |  |
|------------------------|--|
| <b>Drive Type</b>      | Flow   |
| <b>Supply Voltage</b>  | three-phase  |
| <b>Drive Voltage</b>   | 380-480V   |
| <b>Safety Function</b> | STO/PLC  |
| <b>Drive Torque</b>    | variable   |
| <b>Fieldbus</b>        | BACnet MS/TP; Modbus RTU                               |
| <b>Inputs</b>          | 3 Digital (+3 optional); 2 Analog / Digital selectable |
| <b>Outputs</b>         | 2 Analog / Digital; 2 Relays (+3 optional)             |

