



## Synchronous PM Motor and Drive Packages - IES2

### PM MOTOR WITH INTEGRATED DRIVE - IES2

- Maximum integration for increasingly performance
- IE5 motor + IE2 VFD
- Combination of AC motor's reliability and Brushless Servomotor's performance

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

**IES2** 

## TECHNICAL DATA

### Motor Type

HPI 71 1800 12 0.55 kW - 1800 rpm | Drive single-phase - 200-240V

## PERFORMANCE DATA

|                                 |                |
|---------------------------------|----------------|
| Package Type                    | HPI 71 1800 12 |
| Rated Speed rpm                 | 1800           |
| Rated Power kW                  | 0.55           |
| Rated Power HP                  | 0.75           |
| Rated Torque Nm                 | 2.9            |
| Peak Torque Nm                  | 4.4            |
| Rated Current Arms              | 1.2            |
| Peak Current Arms               | 1.7            |
| Rated input current 380Vac Arms | 1.3            |
| Rated input current 480Vac Arms | 1.0            |
| Torque Constant Nm/A            | 2.5            |
| HPI Weight kg                   | 7.3            |
| Motor Efficiency IE code        | IE5            |

|                          |          |
|--------------------------|----------|
| Drive Type               | Integral |
| Drive Efficiency IE code | IE2      |
| HPI Efficiency IE code   | IES2     |
| HPI Efficiency ? %       | 83.3     |

## Mechanical Data

|                      |                               |
|----------------------|-------------------------------|
| Design               | ALUMINIUM                     |
| Degree of protection | IP 55                         |
| Bearings DE          | 6205 2Z                       |
| Bearings NDE         | 6303 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              | 1001 m.a.s.l.  |

## Drive Data

|                 |                               |
|-----------------|-------------------------------|
| Drive Type      | Integral                      |
| Supply Voltage  | single-phase                  |
| Drive Voltage   | 200-240V                      |
| Safety Function | -                             |
| Drive Torque    | variable                      |
| Fieldbus        | Modbus RTU                    |
| Inputs          | 2 Analog; 2 Digital           |
| Outputs         | 2 Analog; 2 Digital; 2 Relays |

