



## 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 4500 23 1.1 kW - 4500 rpm | Drive three-phase - 380-480V

## PERFORMANCE DATA

Package Type	HPI 71 4500 23
Rated Speed rpm	4500
Rated Power kW	1.1
Rated Power HP	1.5
Rated Torque Nm	2.3
Peak Torque Nm	7.0
Rated Current Arms	2.3
Peak Current Arms	3.50
Rated input current 380Vac Arms	2.4
Rated input current 480Vac Arms	1.9
Torque Constant Nm/A	1.0
HPI Weight kg	7.3
Motor Efficiency IE code	IE5

<b>Drive Type</b>	Integral
<b>Drive Efficiency IE code</b>	IE2
<b>HPI Efficiency IE code</b>	IES2
<b>HPI Efficiency ? %</b>	86.4

## Mechanical Data

<b>Design</b>	ALUMINIUM
<b>Degree of protection</b>	IP 55
<b>Bearings DE</b>	6205 2Z
<b>Bearings NDE</b>	6303 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>	Integral
<b>Supply Voltage</b>	three-phase
<b>Drive Voltage</b>	380-480V
<b>Safety Function</b>	-
<b>Drive Torque</b>	variable
<b>Fieldbus</b>	Modbus RTU
<b>Inputs</b>	2 Analog; 2 Digital
<b>Outputs</b>	2 Analog; 2 Digital; 2 Relays

