



## 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 47 2.2 kW - 4500 rpm | Drive three-phase - 380-480V

## PERFORMANCE DATA

Package Type	HPI 71 4500 47
Rated Speed rpm	4500
Rated Power kW	2.2
Rated Power HP	3
Rated Torque Nm	5
Peak Torque Nm	6.8
Rated Current Arms	4.7
Peak Current Arms	7.00
Rated input current 380Vac Arms	4.8
Rated input current 480Vac Arms	3.8
Torque Constant Nm/A	1.0
HPI Weight kg	8.7
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>	88.1

## 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

