



## 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 90 3600 84\_Flow 4 kW - 3600 rpm | Drive three-phase - 500-600V

## PERFORMANCE DATA

Package Type	HPI 90 3600 84_Flow
Rated Speed rpm	3600
Rated Power kW	4
Rated Power HP	5.5
Rated Torque Nm	10.6
Peak Torque Nm	15.9
Rated Current Arms	8.4
Peak Current Arms	12.7
Rated input current 380Vac Arms	8.5
Rated input current 480Vac Arms	6.8
Torque Constant Nm/A	1.26
HPI Weight kg	17.5
Motor Efficiency IE code	IE5

<b>Drive Type</b>	Flow
<b>Drive Efficiency IE code</b>	IE2
<b>HPI Efficiency IE code</b>	IES2
<b>HPI Efficiency ? %</b>	89.7

## 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>	1001 m.a.s.l.

## Drive Data

<b>Drive Type</b>	Flow
<b>Supply Voltage</b>	three-phase
<b>Drive Voltage</b>	500-600V
<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)

