



## 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 112 1800 232\_Flow 11 kW - 1800 rpm | Drive three-phase - 500-600V

## PERFORMANCE DATA

Package Type	HPI 112 1800 232_Flow
Rated Speed rpm	1800
Rated Power kW	11
Rated Power HP	15
Rated Torque Nm	58.4
Peak Torque Nm	87.5
Rated Current Arms	23.2
Peak Current Arms	34.9
Rated input current 380Vac Arms	23.6
Rated input current 480Vac Arms	18.7
Torque Constant Nm/A	2.5
HPI Weight kg	38.5
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>	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>	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)

