



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

Drive Type	Integral
Drive Efficiency IE code	IE2
HPI Efficiency IE code	IES2
HPI Efficiency ? %	88.1

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	three-phase
Drive Voltage	380-480V
Safety Function	-
Drive Torque	variable
Fieldbus	Modbus RTU
Inputs	2 Analog; 2 Digital
Outputs	2 Analog; 2 Digital; 2 Relays

