



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 4500 64_Plus 3 kW - 4500 rpm | Drive three-phase - 500-600V

PERFORMANCE DATA

| | |
|---------------------------------|---------------------|
| Package Type | HPI 90 4500 64_Plus |
| Rated Speed rpm | 4500 |
| Rated Power kW | 3 |
| Rated Power HP | 4 |
| Rated Torque Nm | 6.4 |
| Peak Torque Nm | 9.6 |
| Rated Current Arms | 6.4 |
| Peak Current Arms | 9.6 |
| Rated input current 380Vac Arms | 6.4 |
| Rated input current 480Vac Arms | 5.1 |
| Torque Constant Nm/A | 1.0 |
| HPI Weight kg | 13.5 |
| Motor Efficiency IE code | IE5 |

| | |
|---------------------------------|-------|
| Drive Type | Smart |
| Drive Efficiency IE code | IE2 |
| HPI Efficiency IE code | IES2 |
| HPI Efficiency ? % | 88.0 |

Mechanical Data

| | |
|-----------------------------|-------------------------------|
| Design | ALUMINIUM |
| Degree of protection | IP 55 |
| Bearings DE | 6206 2Z |
| Bearings NDE | 6304 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 | Plus |
| Supply Voltage | three-phase |
| Drive Voltage | 500-600V |
| Safety Function | STO/PLC |
| Drive Torque | constant/variable |
| Fieldbus | CANopen; Modbus RTU |
| Inputs | 3 Digital (+3 optional); 2 Analog / Digital selectable |
| Outputs | 2 Analog / Digital; 2 Relays (+3 optional) |

