



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 32 1.5 kW - 4500 rpm | Drive three-phase - 380-480V

PERFORMANCE DATA

| | |
|---------------------------------|----------------|
| Package Type | HPI 71 4500 32 |
| Rated Speed rpm | 4500 |
| Rated Power kW | 1.5 |
| Rated Power HP | 2 |
| Rated Torque Nm | 3.2 |
| Peak Torque Nm | 3.5 |
| Rated Current Arms | 3.2 |
| Peak Current Arms | 4.80 |
| Rated input current 380Vac Arms | 3.3 |
| Rated input current 480Vac Arms | 2.6 |
| Torque Constant Nm/A | 1.0 |
| HPI Weight kg | 7.9 |
| Motor Efficiency IE code | IE5 |

| | |
|---------------------------------|----------|
| Drive Type | Integral |
| Drive Efficiency IE code | IE2 |
| HPI Efficiency IE code | IES2 |
| HPI Efficiency ? % | 87.3 |

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 |

