

Synchronous PM Motor and Drive Packages - IES2

PM MOTOR AND COMBINED DRIVE - IES2



- Plug & Play solution
- Total speed control
- IP20 or IP66 / NEMA 4X outdoor
- Three package configurations

HP Combi
Smart Flow Plus
solutions to meet your needs

IES2 

TECHNICAL DATA

Motor Type

HPC 90 4500_Flow_IP20 4 kW - 4500 rpm | Drive three-phase - 380-480V

PERFORMANCE DATA

| | |
|----------------------------|-----------------------|
| Package Type | HPC 90 4500_Flow_IP20 |
| Rated Speed rpm | 4500 |
| Rated Power kW | 4 |
| Rated Power HP | 5.5 |
| Rated Torque Nm | 8.5 |
| Peak Torque Nm | 25.5 |
| Voltage Constant Vs | 0.58 |
| Torque Constant Nm/A | 1.00 |
| B.E.M.F. @ rated speed Vrs | 272 |
| Rated Current Arms | 8.5 |
| Motor Efficiency IE code | IE5 |
| Motor Efficiency η % | 90.7 |
| Motor Weight Kg | 14 |

| | |
|---------------------------------|------|
| Drive Type | Flow |
| Drive Size | 2 |
| Drive Efficiency IE code | IE2 |
| HPC Efficiency IE code | IES2 |
| HPC Efficiency ? % | 88.9 |

Mechanical Data

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|-----------------------------|-------------------------------|
| 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

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|------------------------------|----------------|
| Motor Supply Voltage | 400V - 50Hz |
| Duty type | S1 |
| Insulation class | F |
| Direction of rotation | bidirectional |
| Ambient temperature | -15°C / +40 °C |
| Altitude | 1000 m.a.s.l. |

Drive Data

| | |
|------------------------|--------------------------|
| Drive Type | Flow |
| Drive Size | 2 |
| Supply Voltage | three-phase |
| Drive Voltage | 380-480V |
| Safety Function | STO/PLC |
| Drive Torque | variable |
| Fieldbus | BACnet MS/TP; Modbus RTU |

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|-----------------------------|--|
| Inputs | 3 Digital (+3 optional); 2 Analog / Digital selectable |
| Outputs | 2 Analog / Digital; 2 Relays (+3 optional) |
| Degree of Protection | IP 20 |