



## 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 132 3600\_Smart\_IP20 30 kW - 3600 rpm | Drive three-phase - 380-480V

## PERFORMANCE DATA

| Package Type               | HPC 132 3600_Smart_IP20 |
|----------------------------|-------------------------|
| Rated Speed rpm            | 3600                    |
| Rated Power kW             | 30                      |
| Rated Power HP             | 40                      |
| Rated Torque Nm            | 79.6                    |
| Peak Torque Nm             | 238.7                   |
| Voltage Constant Vs        | 0.73                    |
| Torque Constant Nm/A       | 1.26                    |
| B.E.M.F. @ rated speed Vrs | 272                     |
| Rated Current Arms         | 63.4                    |
| Motor Efficiency IE code   | IE5                     |
| Motor Efficiency $\eta$ %  | 94.9                    |
| Motor Weight Kg            | 72                      |

|                                 |       |
|---------------------------------|-------|
| <b>Drive Type</b>               | Smart |
| <b>Drive Size</b>               | 5     |
| <b>Drive Efficiency IE code</b> | IE2   |
| <b>HPC Efficiency IE code</b>   | IES2  |
| <b>HPC Efficiency ? %</b>       | 93.4  |

## Electrical Data

|                              |                |
|------------------------------|----------------|
| <b>Motor 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>              | 1000 m.a.s.l.  |

## Drive Data

|                             |                                          |
|-----------------------------|------------------------------------------|
| <b>Drive Type</b>           | Smart                                    |
| <b>Drive Size</b>           | 5                                        |
| <b>Supply Voltage</b>       | three-phase                              |
| <b>Drive Voltage</b>        | 380-480V                                 |
| <b>Safety Function</b>      | -                                        |
| <b>Drive Torque</b>         | constant/variable                        |
| <b>Fieldbus</b>             | CANopen; Modbus RTU                      |
| <b>Inputs</b>               | 2 Digital; 2 Analog / Digital selectable |
| <b>Outputs</b>              | 1 Analog/Digital; 1 Relay                |
| <b>Degree of Protection</b> | IP 20                                    |