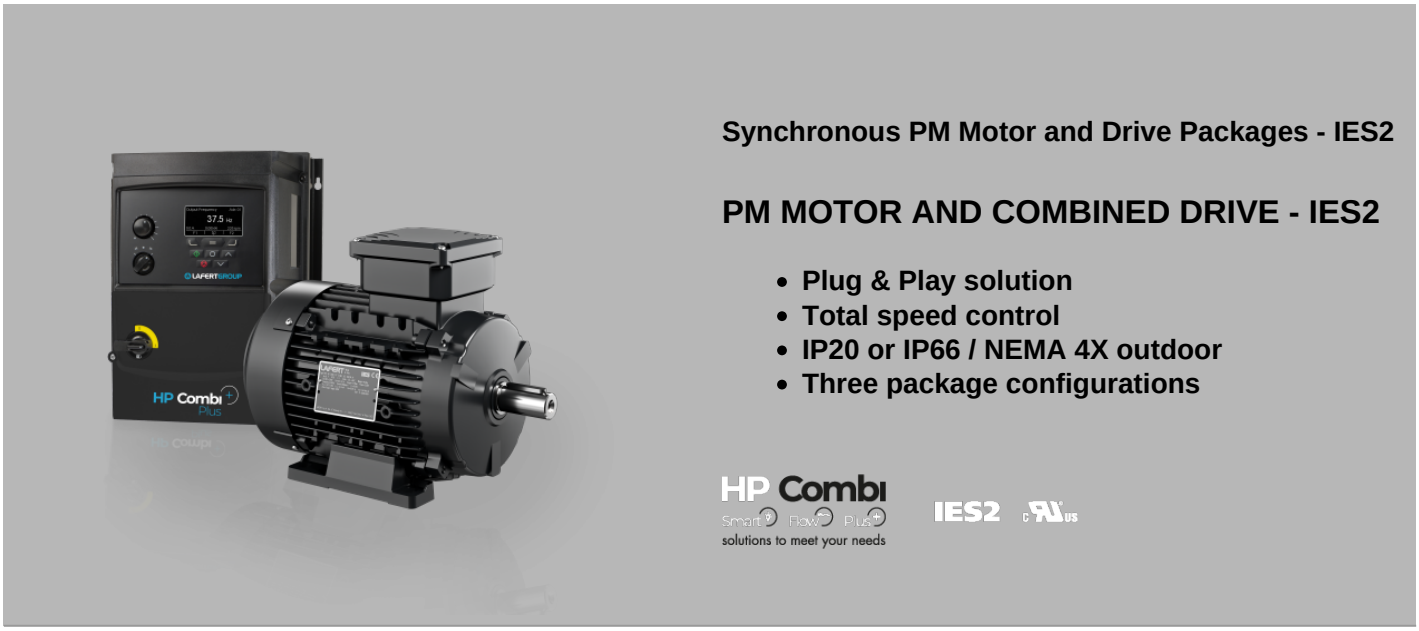
LAFERTGROUP
Member of Sumitomo Drive Technologies



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 112 3000_Smart_IP66 5.5 kW - 3000 rpm | Drive three-phase - 380-480V

PERFORMANCE DATA

Package Type	HPC 112 3000_Smart_IP66
Rated Speed rpm	3000
Rated Power kW	5.5
Rated Power HP	7.5
Rated Torque Nm	17.5
Peak Torque Nm	52.5
Voltage Constant Vs	0.87
Torque Constant Nm/A	1.50
B.E.M.F. @ rated speed Vrs	272
Rated Current Arms	11.7
Motor Efficiency IE code	IE5
Motor Efficiency η %	91.6
Motor Weight Kg	23

Drive Type	Smart
Drive Size	3
Drive Efficiency IE code	IE2
HPC Efficiency IE code	IES2
HPC Efficiency ? %	90.4

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE	6208 2Z
Bearings NDE	6306 2Z
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Cooling	IC 411
Vibration Level	A (normal)

Electrical Data

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	Smart
Drive Size	3
Supply Voltage	three-phase
Drive Voltage	380-480V
Safety Function	-
Drive Torque	constant/variable
Fieldbus	CANopen; Modbus RTU

Inputs	2 Digital; 2 Analog / Digital selectable
Outputs	1 Analog/Digital; 1 Relay
Degree of Protection	IP 66