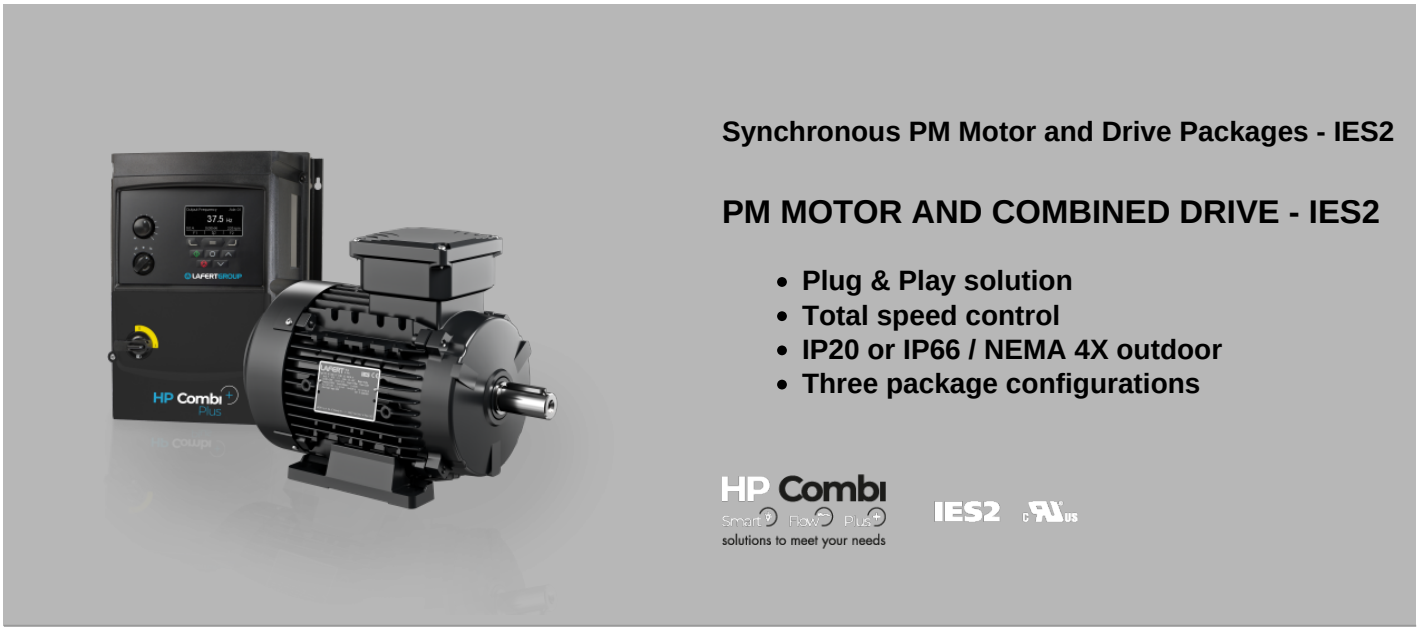
LAFERTGROUP
Member of Sumitomo Drive Technologies



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 71 1800_Smart_IP20 0.55 kW - 1800 rpm | Drive three-phase - 200-240V

PERFORMANCE DATA

Package Type	HPC 71 1800_Smart_IP20
Rated Speed rpm	1800
Rated Power kW	0.55
Rated Power HP	0.75
Rated Torque Nm	2.9
Peak Torque Nm	8.8
Voltage Constant Vs	1.45
Torque Constant Nm/A	2.5
B.E.M.F. @ rated speed Vrs	272
Rated Current Arms	1.2
Motor Efficiency IE code	IE5
Motor Efficiency η %	85.0
Motor Weight Kg	5

Drive Type	Smart
Drive Size	1
Drive Efficiency IE code	IE2
HPC Efficiency IE code	IES2
HPC Efficiency ? %	83.1

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

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	1
Supply Voltage	three-phase
Drive Voltage	200-240V
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 20