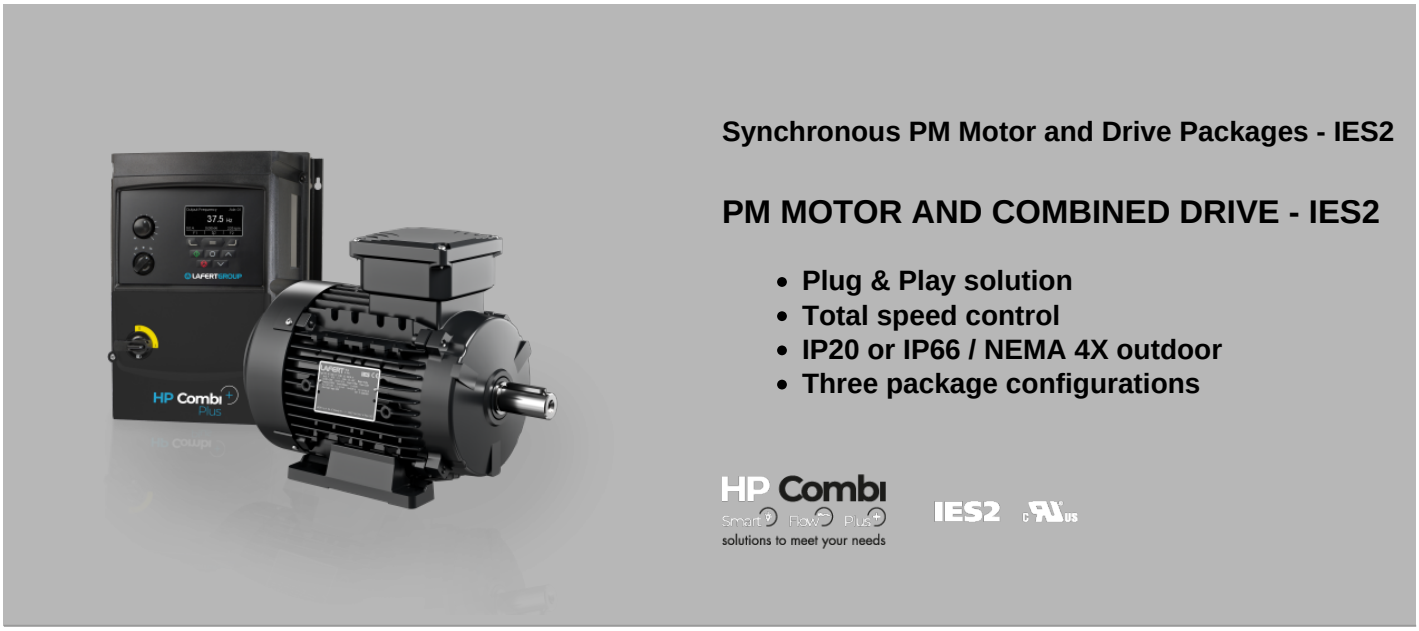
LAFERTGROUP
Member of Sumitomo Drive Technologies



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 160 1500_Flow_IP20 18.5 kW - 1500 rpm | Drive three-phase - 200-240V

PERFORMANCE DATA

Package Type	HPC 160 1500_Flow_IP20
Rated Speed rpm	1500
Rated Power kW	18.5
Rated Power HP	25
Rated Torque Nm	118
Peak Torque Nm	294
Voltage Constant Vs	1.73
Torque Constant Nm/A	3.0
B.E.M.F. @ rated speed Vrs	272
Rated Current Arms	39.3
Motor Efficiency IE code	IE5
Motor Efficiency η %	94.6
Motor Weight Kg	85

Drive Type	Flow
Drive Size	4
Drive Efficiency IE code	IE2
HPC Efficiency IE code	IES2
HPC Efficiency ? %	92.7

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE	6310 2Z
Bearings NDE	6310 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	Flow
Drive Size	4
Supply Voltage	three-phase
Drive Voltage	200-240V
Safety Function	STO/PLC
Drive Torque	variable
Fieldbus	BACnet MS/TP; Modbus RTU

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