LAFERTGROUP
Member of Sumitomo Drive Technologies



Synchronous PM Motor and Drive Packages - IES2

PM MOTOR WITH INTEGRATED DRIVE - IES2

- Maximum integration for increasingly performance
- IE5 motor + IE2 VFD
- Combination of AC motor's reliability and Brushless Servomotor's performance

HP Integral
Smart Flow Plus
solutions to meet your needs

IES2

TECHNICAL DATA

Motor Type	HPI 90 3000 47_Smart 2.2 kW - 3000 rpm | Drive three-phase - 380-480V

PERFORMANCE DATA

Package Type	HPI 90 3000 47_Smart
Rated Speed rpm	3000
Rated Power kW	2.2
Rated Power HP	3
Rated Torque Nm	7.0
Peak Torque Nm	10.5
Rated Current Arms	4.7
Peak Current Arms	7.0
Rated input current 380Vac Arms	4.8
Rated input current 480Vac Arms	3.8
Torque Constant Nm/A	1.5
HPI Weight kg	13.5
Motor Efficiency IE code	IE5

Drive Type	Smart
Drive Efficiency IE code	IE2
HPI Efficiency IE code	IES2
HPI Efficiency ? %	88.7

Mechanical Data

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

Supply Voltage	400V - 50Hz
Duty type	S1
Insulation class	F
Direction of rotation	bidirectional
Ambient temperature	-15°C / +40 °C
Altitude	1001 m.a.s.l.

Drive Data

Drive Type	Smart
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