



Synchronous PM Motor and Drive Packages - IES2

PM MOTOR WITH NDE INTEGRATED DRIVE - IES2

- Maximum integration for axial fans
- PAD mounting to optimize airflow
- Super Premium Efficiency IE5

HP Axial  IES2

TECHNICAL DATA

Motor Type

HPAX 90 3000 22 1.1 kW - 3000 rpm | Drive three-phase - 380-480V

PERFORMANCE DATA

Package Type	HPAX 90 3000 22
Rated Speed rpm	3000
Rated Power kW	1.1
Rated Power HP	1.5
Rated Torque Nm	3.5
Peak Torque Nm	5.3
Rated Current Arms	2.3
Voltage Constant Vs	0.9
Torque Constant Nm/A	1.56
Motor Efficiency IE code	IE5
Motor Efficiency η %	86.2
Drive Efficiency IE code	IE2
HPI Efficiency IE code	IES2

HPI Efficiency η %	84.9
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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	1000 m.a.s.l.

Drive Data

Supply Voltage	three-phase
Drive Voltage	380-480V
Safety Function	-
Drive Torque	variable
Fieldbus	CANopen; Modbus RTU
Inputs	2 Digital; 2 Analog
Outputs	2 Digital; 2 Analog
Degree of Protection	IP 55