LAFERTGROUP
Member of Sumitomo Drive Technologies



Synchronous PM Motors - IE6/IE5

HYPER EFFICIENCY MOTORS - IE6

- IE6 Hyper Efficiency
- The revolution in industrial efficiency
- Power, compactness and efficiency

IE6

TECHNICAL DATA

Motor Type	IE6 HPS 90 3000 85 4 kW - 3000 rpm - 400V - 50Hz

PERFORMANCE DATA

Type	IE6 HPS 90 3000 85
Rated Speed rpm	3000
Rated Power kW	4
Rated Power HP	5.5
Rated Torque Nm	12.7
Peak torque Nm	38.2
Voltage constant Vs	0.87
Torque constant Nm/A	1.5
B.E.M.F. @ rated speed Vrs	272
Rated current Arms	8.5
Efficiency IE code	IE6
Efficiency η %	92.4
Weight Kg	14

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)
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.
Duty type	S1
Insulation class	F
Direction of rotation	bidirectional
Ambient temperature	-15°C / +40 °C
Altitude	1000 m.a.s.l.