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 4500 117 5.5 kW - 4500 rpm - 400V - 50Hz

PERFORMANCE DATA

Type	IE6 HPS 90 4500 117
Rated Speed rpm	4500
Rated Power kW	5.5
Rated Power HP	7.5
Rated Torque Nm	11.7
Peak torque Nm	35.0
Voltage constant Vs	0.58
Torque constant Nm/A	1
B.E.M.F. @ rated speed Vrs	272
Rated current Arms	11.7
Efficiency IE code	IE6
Efficiency η %	93.1
Weight Kg	18

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)
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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.
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Insulation class	F
Direction of rotation	bidirectional
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