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 160 1800 391 18.5 kW - 1800 rpm - 400V - 50Hz

PERFORMANCE DATA

Type	IE6 HPS 160 1800 391
Rated Speed rpm	1800
Rated Power kW	18.5
Rated Power HP	25
Rated Torque Nm	98
Peak torque Nm	245
Voltage constant Vs	1.45
Torque constant Nm/A	2.5
B.E.M.F. @ rated speed Vrs	272
Rated current Arms	39.1
Efficiency IE code	IE6
Efficiency η %	95.7
Weight Kg	100

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)
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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.
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Insulation class	F
Direction of rotation	bidirectional
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