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 112 1800 84 4 kW - 1800 rpm - 400V - 50Hz

PERFORMANCE DATA

Type	IE6 HPS 112 1800 84
Rated Speed rpm	1800
Rated Power kW	4
Rated Power HP	5.5
Rated Torque Nm	21.2
Peak torque Nm	63.7
Voltage constant Vs	1.45
Torque constant Nm/A	2.5
B.E.M.F. @ rated speed Vrs	272
Rated current Arms	8.4
Efficiency IE code	IE6
Efficiency η %	93.3
Weight Kg	26

Mechanical Data

Design	ALUMINIUM
Degree of protection	IP 55
Bearings DE	6208 2Z
Bearings NDE	6306 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
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