



Synchronous PM Motors - IE6/IE5

ULTRA PREMIUM EFFICIENCY MOTORS - IE5

- IE5 Ultra Premium Efficiency
- Combination of AC motor's reliability and Brushless Servomotor's performance
- High runners always in stock

IE5 

TECHNICAL DATA

Motor Type

IE5 HPS 90 4500 117 5.5 kW - 4500 rpm - 400V - 50Hz

PERFORMANCE DATA

Type	IE5 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	IE5
Efficiency η %	91.6
Weight Kg	17

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.