



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 160 3600 776 37 kW - 3600 rpm - 400V - 50Hz

PERFORMANCE DATA

Type	IE5 HPS 160 3600 776
Rated Speed rpm	3600
Rated Power kW	37
Rated Power HP	50
Rated Torque Nm	98.0
Peak torque Nm	245
Voltage constant Vs	0.73
Torque constant Nm/A	1.26
B.E.M.F. @ rated speed Vrs	272
Rated current Arms	77.6
Efficiency IE code	IE5
Efficiency η %	95.2
Weight Kg	90

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)

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.