



Synchronous PM Motors - IE6/IE5

HYPER EFFICIENCY MOTORS - IE6

- IE6 Hyper Efficiency
- The revolution in industrial efficiency
- Power, compactness and efficiency



TECHNICAL DATA

Motor Type

IE6 HPS 90 3000 117 5.5 kW - 3000 rpm - 400V - 50Hz

PERFORMANCE DATA

| | |
|---------------------------------------|---------------------|
| Type | IE6 HPS 90 3000 117 |
| Rated Speed rpm | 3000 |
| Rated Power kW | 5.5 |
| Rated Power HP | 7.5 |
| Rated Torque Nm | 17.5 |
| Peak torque Nm | 52.5 |
| Voltage constant Vs | 0.87 |
| Torque constant Nm/A | 1.5 |
| B.E.M.F. @ rated speed Vrs | 272 |
| Rated current Arms | 11.7 |
| Efficiency IE code | IE6 |
| Efficiency η % | 93.2 |
| Weight Kg | 16 |

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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| Degree of protection | IP 55 |
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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 |
| Ambient temperature | -15°C / +40 °C |
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