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 317 15 kW - 1800 rpm - 400V - 50Hz |

# PERFORMANCE DATA

| | |
|---|---|
| **Type** | IE6 HPS 160 1800 317 |
| **Rated Speed rpm** | 1800 |
| **Rated Power kW** | 15 |
| **Rated Power HP** | 20 |
| **Rated Torque Nm** | 80 |
| **Peak torque Nm** | 199 |
| **Voltage constant Vs** | 1.45 |
| **Torque constant Nm/A** | 2.5 |
| **B.E.M.F. @ rated speed Vrs** | 272 |
| **Rated current Arms** | 31.7 |
| **Efficiency IE code** | IE6 |
| **Efficiency $\eta$ %** | 95.5 |
| **Weight Kg** | 95 |

## 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) |
| **Design** | ALUMINIUM |
| **Degree of protection** | IP 55 |
| **Bearings DE** | 6310 2Z |
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| **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. |
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| **Insulation class** | F |
| **Direction of rotation** | bidirectional |
| **Ambient temperature** | -15°C / +40 °C |
| **Altitude** | 1000 m.a.s.l. |