

Mod.6142-pm

Permanent magnet synchronous machine 12,7Nm, 3000rpm, 90% efficiency,, 8poles rotor with surface mount magnet, 380Vac 3Phase.

- Wide speed range
- Constant torque 30÷3000rpm
- Self-Ventilation
- Reduced sizes
- Rare-earth magnet
- 8 poles construction, sinusoidal c.e.m.f.
- Integrated PTC thermal protection
- Sensorless, self-ventilated
- Reduced sizes and weight
- High efficiency, reduced losses
- Quiet, high protection level

-Mod.6185S

Speed encoder 1024PPR
HTL/TTL A+B+Z



THREE-PHASE PERMANENT MAGNET SYNCHRONOUS MACHINE (PMSM)

PMSM Machine can work as motor or as generator.

- Line voltage: 380volts AC
- Rotor: surface mount permanent magnets, (with 8 poles)
- Power: 4kW
- Current: 7,8A
- Nominal power: 4Kw
- Torque : 12,7 Nm
- Nominal Speed : 3000rpm
- Nominal Frequency 200Hz
- Peak current: 26A
- Rotor inertia: 20(kg cm²)
- Inductance: 7,9 mH
- Weight: 10,2 kg
- Efficiency as motor: >90%(IE4)
- Shaft height: 90mm
- Shaft diameter 24 mm,
- Shaft length 50 mm
- Total length : 308 mm



- Constant torque 30÷3000rpm
- Protection against thermal overload.
- All connections on 4 mm safety sockets included thermal contact.
- Imprinted terminal boards with the synoptic.
- With coupling cog for easy engagement with other machine.
- Complete with rail base ttop with anti-vibration rubber feet
- As motors can only be operated in connection with a frequency inverter (VFD)