

# PSM-106-04-L100



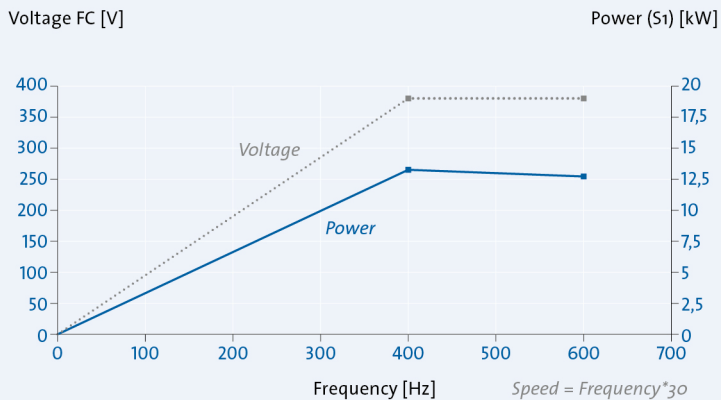
## Features

- High-speed electric drive
- Synchronous machine with rare-earth magnets
- Stator element with water cooling jacket
- High power density
- Customer-specific rotor

## Technical data

Power [kW]	12.5
Speed [1/min]	12000
Speed max. [1/min]	18000
Torque [Nm]	10
Voltage FC [V]	380
Voltage motor [V]	344
Frequency [Hz]	400
Current [A]	23.5
Current max. [A]	35
External inductor/choke [ $\mu$ H]	800

### Performance



## Remark

Built-in motors must be precisely tailored to the requirements of their applications. For this reason, there are many details that can be specified only in consultation and close collaboration with the customer. Starting from a defined machine design and basic built-in stator, GMN can create different rotor variants:

### Variant 1: Rotor shaft system

The entire rotor is manufactured at GMN. Production of the shaft and mounting and securing of magnets on the shaft are performed by our experts. This variant affords our customers the benefit in particular of GMN's experience as a producer of spindles and of the type of precision work that is associated with their production.

### Variant 2: Rotor insert element for customer installation

With this variant, our customers receive a ready-to-install rotor element that is designed and manufactured precisely to their application needs. Depending on the installation method, various magnet carriers are available.

Further operating data and information available on request. Please use the contact options provided on our website [www.gmn-emot.de](http://www.gmn-emot.de)