

PMSG 066F-500



- ✓ **Powerful & highly efficient**
- ✓ **Flat design**
- ✓ **Small installation space**
- ✓ **Virtually maintenance-free**
- ✓ **Degree of protection IP68**
- ✓ **Variable customer flange for high flexibility**

Description

HEINZMANN has designed an ultra-compact and fully complete wheel hub drive, equipped with gear technology from Framo Morat. The drive can easily be adapted to a multitude of industries and applications.

Core element of the drive unit is a powerful HEINZMANN PMS 066F disc motor combined with a NG500 planetary gear from FRAMO MORAT. The total integration of the reduction stage and bearing in the power take-off hub ensures the exceptionally compact design of the complete system.

To round up the system, compact and powerful motor drivers with state of the art control strategies are available.

In addition to a geometry optimised for limited installation space, the drive also features high flexibility with its adaptability to individual output profiles and simultaneously long service life and low noise emissions.

The drive unit, combined with the appropriate wheel for the respective requirements profile, is ideally suited for use in a variety of industries, e.g. in Automated Guided Vehicles (AGV) in intralogistics, in cleaning robots or in agriculture.

Application range

- Automated Guided Vehicles (AGV)
- Intralogistics
- Cleaning robots agriculture



Technical Data



Technology	high power density planetary gearbox (single or two-stage)
Gear ratio	4, 5, 8, 16, 20 and 32
Nominal torque	up to 21 Nm
Service life total system	up to 20.000 h
Weight of total system	6 kg (incl. indoor wheel)
Length of total system	< 110 mm
Load capacity	radial: up to 500 kg (5.000 N)
	axial: up to 170 kg (1.700 N)
Speed	up to 8 km/h
Wheels	Intralogistics, outdoor or customised
Brake	optional
Encoder	type on request

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