



Drive Unit

In addition to our intelligent motor control, which is also available separately and can be used with other motors, we offer complete drive units. In this case our motor control is installed directly on the motor. Together they form a perfectly matched unit for the best possible driving experience.

www.friwo.com
www.emerge-engineering.com

Project accelerator

The Emerge drive unit is a powerful unit consisting of a Motenergy motor and an Emerge 6000 motor controller with a mechanical peak power of over 6.2kW. The two components are perfectly matching each other and, with a continuous output of 5kW, provide a drive unit for exciting applications.

The drive unit can be controlled either via accelerator pedal and brake or via CAN bus. Four different driving profiles and performance classes can be selected via Bluetooth for a maximum driving experience. With the optional developer license, the drive unit can be specifically adapted to the application and customer requirements.

Overview

Applications	Electric scooter, go cart, golf cart, pumps, fans
Input power (el)	9kW (12PS) @ 48V
Output power (mech)	6.3kW (8.5PS)
Torque	26Nm
Efficiency	83% @ 3500/min, 4.75kW Out, 13Nm
Speed	5000/min
Recuperation	Yes
Reverse gear	Yes
CAN-Bus	Yes
Bluetooth	Yes
Diagnostic interface	USB, CAN
Weight	10.9kg
Diameter	201mm
Length	146.5mm (Motor) 52.0mm (Controller)
Shaft diameter	24mm

Views

