



EHSU | ELECTRO HYDRAULIC STEERING UNIT

FRAME SIZE 1



FEATURES

- Integrated Motor Controller
- J1939 CAN Control
- 24 VDC Operating Range
- SAE A 2-Bolt Pump Mounting Interface
- SAE A 9T Spline Shaft
- Robust IP68 Rating
- Extremely compact and power dense PM Motor
- Designed in accordance with ISO 26262 ASIL B requirements
- Tested against ISO16750-3 Shock And Vibration standards

The Hydrapulse Low Voltage Electro Hydraulic Steering Unit is designed specifically to meet the unique demands of the commercial hybrid and electric vehicle market. Its fully integrated motor, pump mount, and electronic control package simplifies installation, delivering a true **plug-and-play** solution that reduces both production time and cost. Engineered for high efficiency, compact packaging, and precise control, the Hydrapulse EHSU supports the growing electrification needs of commercial vehicles while maintaining the robust performance required for these demanding duty cycles.

SPECIFICATIONS

Rated Power	5 kw
Peak Power	7 kw
Rated Torque	12 Nm
Peak Torque	30 Nm
Motor Operating Voltage	18 - 36 VDC
Controller Voltage	9 - 36 VDC
Peak Current	290 Amps
Rated Motor Speed	3000 RPM
Cooling Medium	Air
Ambient Air Operating Temp	-40 to 50C
Weight	12kg

PRODUCT DIMENSIONS

- Length - 7.94" (201mm)
- Width - 6.5" (165mm)
- Height - 7.64" (194mm)

TYPICAL APPLICATIONS

- Power Steering Assist
- School Bus
- Transit Bus
- Hybrid Electric Vehicles
- Electric Vehicles
- Class 4-8 Commercial Trucks
- Airport Ground Support Equipment
- Auxiliary Hydraulic Systems (ePTO)