



## STREET SWEEPERS

HIGH VOLTAGE | HEAVY-DUTY  
ELECTRO-HYDRAULIC POWER UNIT

Electric and Hybrid street sweepers are starting to hit the market increasing the need for improving the efficiency of the Hydraulic systems on board. The **Hydrapulse® EHPU** is uniquely suited to improve efficiency in the harsh and demanding environment of street sweepers. The fully integrated packaging allows for effortless implementation of several Hydrapulse units into one system allowing engineers to work in more power on demand system concepts. The high power density of the permanent magnet motors keeps the packaging small and easy to incorporate into the complex and space constrained chassis of sweepers.

## FEATURES

The Hydrapulse F2 motor is capable of up to 10 GPM and 3000 PSI which satisfies the requirements of most broom and conveyor motors. A system designed around one EHPU per work function enables full power on demand control and maximum efficiency by eliminating pressure drops from valves.

- 300 to 800 vDC Operating Voltage
- CAN Bus Control
- Robust IP67 Rating
- Built in Pressure Sensors
- Pressure control Modes



## DISTRIBUTED SYSTEM BENEFITS

- Power On Demand Control
- Increase efficiency by up to 20%
- Improved speed control
- Increased up time
- Reduce system complexity by eliminating complex manifolds and directional valve banks.
- Full suite of sensors built into each motor allowing for more system data to be monitored and tracked and predictive maintenance tools to be implemented.
- Modular design for simple servicability
- Fault Codes available over CAN
- Light ring shows unit state at a glance.