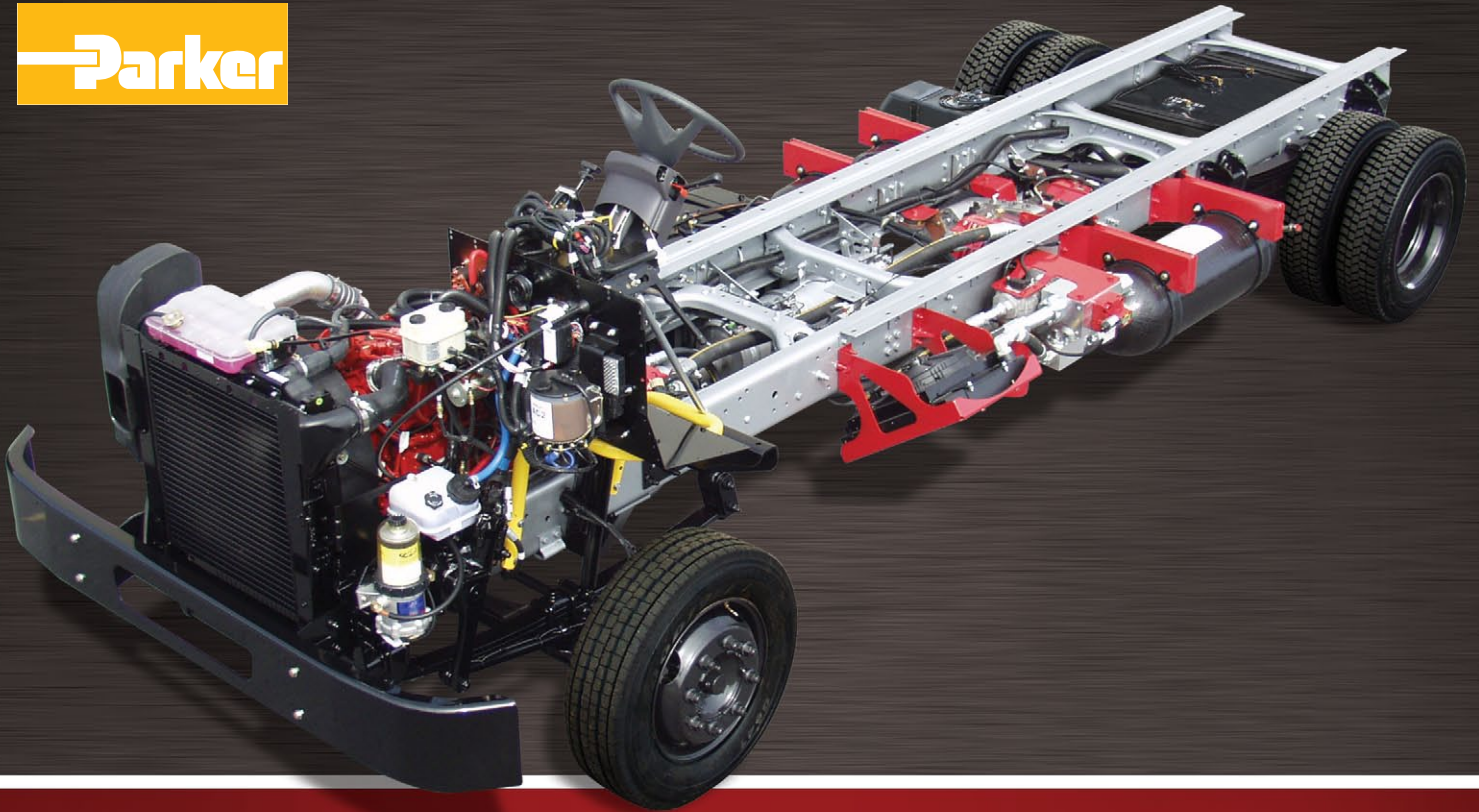




Driven By You

Hydraulic Hybrid Power

WALK-IN VAN CHASSIS



The Hydraulic Hybrid walk-in van chassis from Freightliner Custom Chassis Corporation (FCCC)

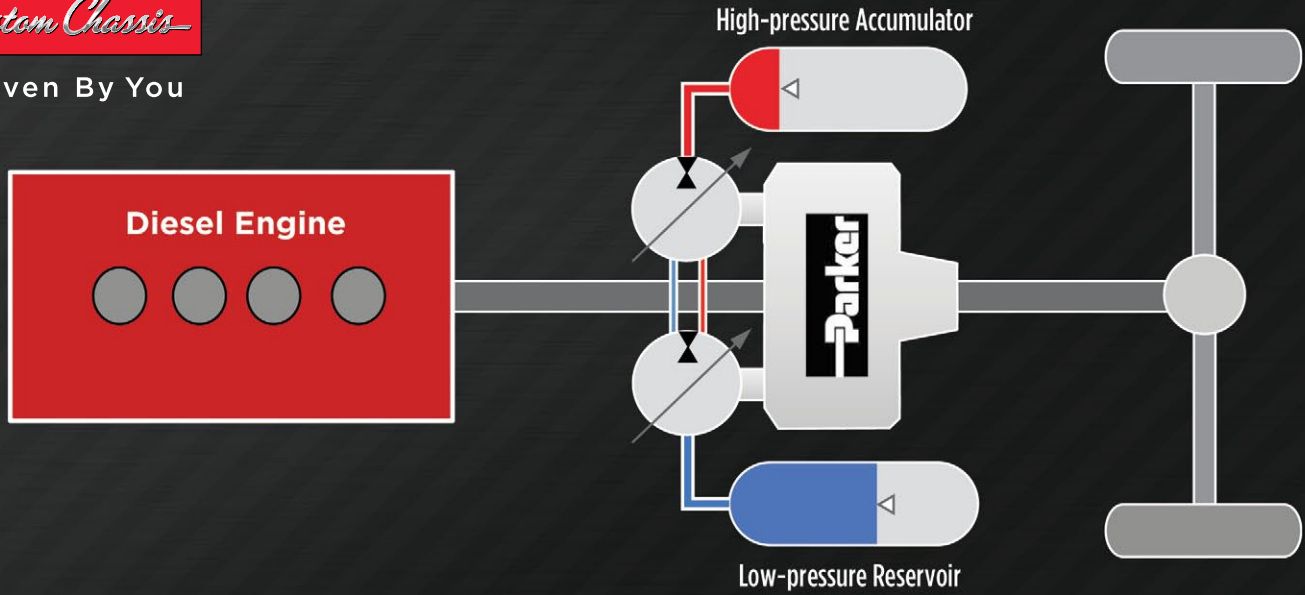
FCCC, working with Parker Hannifin Corporation, has developed a Hydraulic Hybrid walk-in van chassis for increased productivity and profitability.

- **Reduced Fuel Consumption**—Preliminary test results have shown 50 to 70 percent improved fuel economy over traditional diesel-powered vehicles with automatic transmissions in stop-and-go applications
- **Advanced Engine-off Strategy**—Stored hydraulic energy is able to power vehicle without the engine, resulting in quieter, smoother operation with no emissions or fuel consumption
- **Reduced Brake Wear**—Brake life increased 3-4 times over a standard, non-hybrid vehicle
- **Certified for 2010 Emissions**—Significant reduction of carbon footprint
- **No Compromise in GVWR**—20,500- to 27,000-pound Gross Vehicle Weight Rating
- Hydraulic Hybrid available on MT-55 chassis model

Read on to see how a hydraulic hybrid-powered FCCC chassis works.



Driven By You



Hydraulic Hybrid Technology

- **Stored energy in the hydraulic high pressure accumulator is used by the hydraulic motor to propel the vehicle**
- **The diesel engine is not engaged until needed allowing the vehicle to operate with the engine off**
- **Mechanical connection from the engine to the rear axle allowing an efficient power transfer during high-speed highway operation**
- **Regenerative braking energy is captured and used to operate the vehicle during all modes of operation**

Four modes of operation:

- **Brake Energy Recovery—Capable of capturing and returning over 70 percent of brake energy for vehicle operation**
- **Optimized Engine Control—Engine is decoupled from drive wheels, allowing it to operate at maximum efficiency**
- **Engine-off Strategy—Stored hydraulic power operates vehicle at low speeds, allowing engine to shut off completely, reducing emissions and fuel consumption**
- **Highly efficient dual-mode operating system using both the engine and hydraulic energy in series to propel the vehicle**

Delivering Hydraulic Hybrid technology. Driven by you.

SEE YOUR LOCAL FREIGHTLINER DEALER OR CALL US AT 1-800-545-8831 FOR DETAILS. YOU CAN ALSO VISIT OUR WEB SITE AT FREIGHTLINERCHASSIS.COM.

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