

Parker RunWise[®] Advanced Series Hybrid Drive

aerospace climate control electromechanical filtration fluid & gas handling hydraulics pneumatics process control sealing & shielding



ENGINEERING YOUR SUCCESS.

Parker RunWise

Class Leading Economy, Performance, and **Environmental Friendliness**



RunWise is a new Advanced Series Hybrid Drive system from Parker. A unique hydrostatic drive, combined with brake energy recovery capabilities, delivers dramatic fuel savings, lower carbon emissions and noise levels, significantly reduced brake wear, and improved vehicle performance. That's what you can expect from RunWise.

No other Class 8 refuse truck hybrid system matches the fuel savings, performance, or environmental friendly contributions of Parker RunWise. Parker has field tested RunWise since 2008 with fleet operators working actual routes throughout the country. The results:

Reduced Fuel Consumption

- Average annual fuel consumption for a Class 8 vehicle is about 9,800 gallons per year. RunWise reduces fuel consumption 35%-50%, depending on route density and operating conditions - a substantial savings in fuel costs by any measure.

Lower Emissions – A single truck's CO2 emissions are reduced up to 55 tons per year, equivalent* to removing 10 mid-

sized cars from the road or planting 1,300 trees and letting them grow for 10 years. RunWise is contributing to a greener planet.

Less Brake Wear – The system's brake energy recovery pushes brake replacement to once in the life of the truck, dramatically reducing maintenance costs and keeping your fleet in route.

Better Drivability – The hydrostatic drive contributes to smooth and quick launch speeds, enabling drivers to cover routes quicker, increasing productivity. Route drivers say that trucks equipped with RunWise are a "pleasure to drive."

Lower Operating Costs – The hydrostatic drive powers the refuse truck during route collection, reducing diesel engine wear and lowering maintenance costs. The RunWise innovative cradle assembly was designed for ease of maintenance.

*EPA Figures



Parker Hybrid Drive System

What RunWise Does

Parker's RunWise system replaces a refuse truck's conventional drive train with a series hybrid drive system that marries the variable features of a hydrostatic drive for urban routes during refuse collection with a mechanical drive for efficient operation at highway speeds.

By combining hydraulic components, advanced control software, and brake energy recovery technology, more than 70% of a vehicle's otherwise lost braking energy is recovered. RunWise reuses this stored energy – saving fuel – to power the truck during collection routes.

Technology Comparison:

Conventional Drive



Learn More About RunWise Today

Phone: 866-858-5600 Email: runwise@parker.com

RunWise Sets the Standard for Class 8 Vehicles

Visit the Parker RunWise web site at parkerhybrid.parker.com

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Parker Hannifin Corporation Hybrid Drive Systems Division 3885 Gateway Blvd. Columbus, OH 43228 Phone 614-275-2400 Fax 614-275-2420 runwise@parker.com parkerhybrid.parker.com Bulletin HY34 June 2012