

POWERTRAIN SOLUTIONS

SOLUTION
STORY



Mobile Power

Quieter, Greener, and Simpler Solutions from Regal Rexnord: Make Hybrid & Electric Make Sense for your Off-Highway Applications

Traditional internal combustion engines and hydraulics come with drawbacks such as noise, high costs, and environmental harm. Our fully electric and hybrid eco-friendly electric drives provide an innovative solution designed to overcome the limitations of conventional diesel engines. Embrace the emerging trend of electrification and partner with us to go green.

Grid Access Best Option = FULLY ELECTRIC SYSTEM

Quiet and Emission-Free: Achieve a quiet and eco-friendly work environment while demonstrating your commitment to sustainability.

Uncompromised Performance: Simplify maintenance and boost efficiency with direct connections, eliminating couplings.

Reduced Size and Weight: Free up valuable space for additional equipment or payload, bolstering your flexibility and productivity.

\$22,518
ESTIMATED ANNUAL FUEL SAVINGS

Off-Grid Best Option = HYBRID ELECTRIC SYSTEM

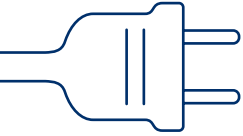
Eco-Friendly: Reduce your operational costs while minimizing environmental impact.

Lower Total Cost of Ownership (TCO): Optimize efficiency without compromising your budget.

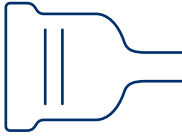
\$7,624
ESTIMATED ANNUAL FUEL SAVINGS



Regal Rexnord's eco-friendly electric drive solutions for mobile equipment represent a paradigm shift in efficiency, sustainability, and performance.



Powertrain Solutions: Electrification is a global trend, and Regal Rexnord is one of the few who have the portfolio, insight, and expertise to support customers in this field as they transition away from burning fossil fuels towards a **more sustainable future.**



COMPARING DIESEL VS. HYBRID VS. ELECTRIC*

	Full Diesel	Hybrid	Full Electric
FUEL COST			
Fuel Consumption/Hour	6.86 gallons	4.29 gallons	0 gallons
Total Fuel Cost/Year	\$28,217	\$17,783	\$0
Annual Fuel Cost Savings	-	\$10,434	\$28,217
DIESEL EXHAUST FLUID (DEF) COST			
DEF Consumption/Year	7,072 gallons	4,457 gallons	0 gallons
DEF Cost/Year	\$3,536	\$2,228	\$0
Annual DEF Cost Savings	-	\$1,307	\$3,536
ELECTRICITY COST			
Electricity Consumption/Year	0 kWh	34,320 kWh	76,960 kWh
Electricity Cost/Year	\$0	\$4,118	\$9,235
Annual Cost Savings	-	\$7,624	\$22,518

WHY ELECTRIC?

- Quiet and emission-free to increase work hours without risk of noise by-law infractions.
- Delivers robust horsepower, immediate torque response, and superior control matching traditional diesel engines.
- Features a compact and lightweight design, replacing bulky diesel engines.

WHY HYBRID?

- Combines a smaller engine with an electric motor/generator, resulting in significant fuel savings.
- Comparable capital costs, despite the reduced engine size with the integration of electric motor and battery technology.



***Based on the following assumptions:**

- Diesel configuration: 120 hp diesel internal combustion engine
- Hybrid target engine: 754 hp diesel engine connected to a pump drive plus a 33 kW motor/generator
- Eco-friendly electric full electricity target motor: 74 kW electric motor
- 50 power unit/year operating 50% of the time (approx.. 1,040 hours per year)
- Diesel cost: \$3.99 per gallon
- DEF cost: Average \$0.50 per gallon difference compared to standard diesel
- Fuel consumption data. Approximately 17.5 hp can be produced per hour for each gallon of diesel used

You have challenges.
We have solutions.

To solve your critical challenges, it is essential to partner with a **global company** with **local resources**, **reputable brands**, and a **proven history** of delivering cost-efficient solutions.



**SIMPLIFIED
SUPPLY CHAIN**

**TRUSTED
ADVISOR**

**APPLICATION
ENGINEERING**

**GLOBAL
PRESENCE**

**CONTINUOUS
INNOVATION**

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Regal Rexnord

Customer Service: 800-626-2120 | Technical Service: 800-626-2093
powertrain@regalrexnord.com

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