



ENVIRONMENTAL  
TECHNOLOGIES

# BATTERY AIR CONDITIONING



## For Heavy-Duty Diesel/Hybrid/Electric Vehicles

By removing the air-conditioning load from the engine, and hybridizing its operation, utility is expanded, efficiency is improved and emissions are reduced. The climate control system functions independent of the engine and utilizes battery power to provide reliable cooling. Importantly, Omega's compressor drive is not a complete system, but a key ingredient for compliance with anti-idling laws and emission standards.

Originally developed for aerospace and marine applications, Omega's state-of-the art compressor drive is available now for heavy-duty vehicles, with cooling capacity to 40,000BTU at low voltages. This solution offers high levels of performance and durability, even under extreme conditions.



Omega's Brushless Motor/Generator  
close-coupled to a Sanden Scroll Compressor

Omega is the primary source of low voltage, high capacity compressor drives. As an industry leading manufacturer of low voltage, high efficiency brushless motor/generators, Omega is up to any challenge. Whether you are an OEM, installation shop or distributor, we have the expertise to deliver the best solution at a competitive price.

## Features & Benefits

- Improves fuel economy
- Reduces emissions
- Operates independent of engine
- Upgrade low performing standard A/C systems
- Practical bolt-on solution
- 12-24VDC up to 40,000BTU
- Low Voltage (99.9% of vehicles)
- Works with standard A/C components such condensers, heat exchangers, refrigerant lines, fan and controls



### TRUCKING



### CONSTRUCTION



### UTILITY



### AEROSPACE



### AGRICULTURE



### DEFENSE



Omega Environmental Technologies • 1401 Valley View Lane, Suite 100 • Irving, Texas 75061

Main: 972.812.7000 • Fax 972.812.7001 • Toll Free Phone: 888.286.6342

[www.omega-usa.com](http://www.omega-usa.com)