



JETPOWER® 400Hz CONVERTERS

A solution to reduce operating costs

One JBT: Driving for customer success!

We are a world leader in aircraft ground support equipment

JBT offers a full range of electrical power systems for aircraft while parked at the gate, at remote parking stations, in hangars, or on the flight line. Jetpower® products are available in diesel powered, bridge-mounted point-of-use, and central distribution system configurations providing 400 Hz AC, 270VDC, and 28VDC power for commercial and military applications.

JBT provides single-source convenience. In addition to the Jetpower® family of power products, there is the JetAire® family of conditioned air products and the Jetway® line of passenger boarding bridges. JBT also supplies a wide range of ground support equipment such as loaders, deicers, mobile stairs, and pushback tractors. Additionally, JBT supplies a broad range of maintenance, asset management, and baggage system services.

JBT is ready to help with all your gate equipment, ground support equipment, maintenance, and asset management needs.



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OPERATING COST REDUCTION

APU avoidance for aircraft parked at the gate can reduce fuel costs significantly.

The 400Hz ground power units from JBT are an effective solution to provide power to aircraft while on the ground.



JETPOWER® IS TODAY'S BEST OPTION TO REDUCE OPERATING COSTS

JBT developed its first Jetpower® unit in 1982, and since then the product line has evolved to include units for central systems, cart mounted units, diesel powered units and boarding bridge mounted units.

JetPower® units convert standard 50/60 Hertz utility power to aircraft-compatible 400 Hertz power using clean, efficient, reliable, and maintenance-free solid-state technology.

Over 92% efficient, they operate as demand systems, consuming only the energy needed by each specific aircraft.

With few or no moving parts, they have negligible no-load power losses.

Self-calibrating circuitry requires no customer adjustment and swing down panels allow easy access to interchangeable internal modules.

Models are available with an advanced system of user-friendly internal diagnostics. Light emitting diodes, external indicator lights, and a plain text two-line "faults and functions" LCD text-display simplify evaluation of all critical circuits and subsystems.

Jetpower® 400 Hertz units work anywhere in the world. JetPower converters can be stand, cart, or bridge mounted. They are fully compatible with input power ranging from 380-480 Volts at either 50 or 60 Hertz.

Features and upgrades:

- Lower input current distortion (12-step/pulse) available on all models
- DSP (digital signal processor) based algorithm which reduces high frequency harmonics and allows individual phase regulation of outputs
- Enhanced remote monitoring data buss - RS232/485, Ethernet
- Tested to UL-1012, CSA-C22.2



Jetpower® III The Jetpower® III uses pulse width modulation technology to convert energy to 400 Hz ground power for airport applications. The unit can be mounted on the passenger boarding bridge or on a cart for greater mobility. Jetpower® III inverters utilize maintenance free, state-of-the-art technology.



JBT AeroTech offers comprehensive operator and maintenance training for all its products. Our field representatives have years of experience to provide your mechanics and engineers with an in-depth explanation of systems, safety and operation.

Jetpower® products have an extended design life and are enclosed in rugged metal cases to protect the circuitry from extreme environments.

Jetpower® III S. The Jetpower® IIIS 400Hz unit for hangar applications available in sizes of 25 kVA to 90 kVA. This unit features easy, single person mobility in an aircraft hangar or apron environment.

Jetpower® III Plus. The Jetpower® III Plus is a stationary unit that provides reliable and economical 400 Hz power for all applications when centralized equipment is preferred.

Jetpower® Diesel. The Jetpower® D90 and D180 Diesel Ground Power Unit (GPU) will service narrow to wide-body commercial aircraft and with the 28VDC option the unit can service RJ type aircraft. Suitable for commercial and military aircraft and applications requiring 400Hz.

