

Jet-Ex[®] 5D and 5DZ 28.5 VDC Diesel Ground Power Units



Shown with 120 VAC Generator



HOBART: “A Name You Can Trust”

You can depend on the Jet-Ex diesel powered 28.5 VDC Ground Power Unit to fully support all of your DC aircraft power needs. And, now you can choose from two diesel engines – Cummins B4.5 (JetEx 5D) or Deutz 2012E (JetEx 5DZ). The Jet-Ex has earned the reputation as the “*standard of the industry*”, trusted for superior power quality and excellent durability.

As the premier supplier and pioneer for DC ground power products, Hobart continues to implement improvements to best meet the ever-changing needs of our customers.

DESIGNED FOR DURABILITY:

Low profile, combined with standard 5th wheel (turntable) steering, provides superior visibility and maneuverability in congested ramp areas. The welded steel frame, corrosion-free fuel tank and durable control panel facing assure longevity and durability.

CE and EMISSION CERTIFIED:

Hobart teamed with Cummins to specify the most technically advanced engine designed to meet both current and future Emission Standards. International labeling is an added feature of this GPU.

PERFORMANCE FEATURES

- Durable, all-welded, formed steel frame and weather resistant canopy
- Powered by the latest Cummins and Deutz diesel, 4-cylinder turbo-charged engine (Tier 2)
- Reliable, Hobart manufactured AC rectified alternator
- Adjustable current limiting for safe starting of any DC aircraft
- Tool access to engine and generator compartments
- Fifth-wheel (turntable) steering for greater maneuverability in congested ramp areas
- Emergency Stop button
- Built-in, adjustable line drop compensation
- Durable control panel facing for long life
- Automatic voltage build-up
- 30 ft. DC output cable and mates with a MS3506 receptacle
- Removable doors for easy service access
- Corrosion-free fuel tank

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Specifications

Engine (choice of two)

- Cummins B4.5 diesel operating at 2200 RPM (99 HP)
- Deutz 2012E diesel operating at 2200 RPM (99 HP)

Standard Features With Either Engine:

- Fuel tank capacity allows 8 hours operation at rated load requiring only one fill per work shift
- 4-stroke, 4 cylinder, diesel turbo-charged engine
- Full application approval by Cummins and Deutz
- Low oil pressure shutdown, high water temperature shutdown, and high speed limiting provide full engine protection
- Single, maintenance-free 875 CCA battery

Environmental

- Operating temperature range of -25° F to +125° F or -31° C to +52° C
- No derating required at altitudes up to 10,000 feet when running in normal operation

Performance

- 28.5 volts DC output
- 800 amperes continuous rating at 28.5 VDC, 2,000 amperes available for starting
- Current limiting adjustable from 300 to 2,000 amperes
- Line drop compensation assures proper voltage at aircraft

Displays / Instrumentation

- Alternator gauges include:
 - Voltmeter
 - Ammeter
- Engine gauges include:
 - Tachometer
 - Oil pressure
 - Fuel level
 - Water temperature
 - Hourmeter
 - Battery voltmeter
- Panel lights
- Engine start and push-button switch
- Air cleaner restriction indicator
- Emergency Stop Button
- Engine idle/run switch
- Engine “ON” light
- Contactor close/open switch
- Contactor “CLOSED” light

Finish

- Anti-corrosive Polyester powder provides excellent weather resistance, flexibility and adhesion, plus a strong resistance to chemical agents such as glycol and skydrol
- Standard colors are high gloss white over black frame and chassis
- Custom colors require a paint chip or swatch for accurate color match

Compliance Standards

- Aircraft Electric Power Characteristics MIL-STD-704E
- General Requirements For Ground Support Electrical Supplies For Aircraft BS 2G219 (ISO6858)
- General Requirements For Aerospace Ground Support Equipment Motorized And Nonmotorized – ARP1247 Rev. C
- Specification for Ground Power Equipment Technical Data ATA-Spec 101
- EMC Directive 89/336/EEC
- Low Voltage Directive 73/23/EEC
- Machinery Directives 89/392/EEC, 91/368/EEC, and 93/44/EEC

Trailer

- Tire size: 5: 30 x 12 (21” diameter)
- Ground clearance: 14”
- Brakes: Hand/lever actuated

Available Options:

- 120 VAC 60 Hz 1 phase Generator (DA28L-1600-HBC)
- 14 Volt DC Kit
- Fork Lift Pockets
- Cold Weather, Ether Start Kit
- Stationary Mounting
- Block Heater
- Tie Down Rings
- CE Certification
- Fuel/Water Separator with glass bowl
- Canopy Clearance Lights

Specifications subject to change without notice.

Shipping

Model	Length	Width	Height	Ground Clearance	Approx. Weight without Fuel
Trailer Mounted with fenders and cable trays	96” (244 cm)	67” (170 cm)	62” (157 cm)	14” (35.6 cm)	2669 lbs (1210 kg)
Footprint without trailer	68” (173 cm)	37” (94 cm)	46” (117 cm)	– –	– –

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