

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



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 (Jet Ex 5D) or Deutz 2012E (Jet Ex 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.

STANDARD FEATURES:

- Durable, all-welded, formed steel frame and weather resistant canopy
- Powered by the latest Cummins and Deutz 4-cylinder turbo-charged engines
- 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

- Operation 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 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.

| 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) | – – | – – |