

Jet-Ex[®] 4

DC Ground Power Unit

Description

The Hobart Jet-Ex 4 provides DC performance in a compact, easy-to-handle unit. The rugged 28 volt DC unit features a 2.3 liter Ford LSG423 industrial engine and Hobart alternator/rectifier technology for maximum reliability on today's busiest flightlines.

The Jet-Ex 4 features easy-to-access engine and generator to maximize efficiency of preventive maintenance service time.



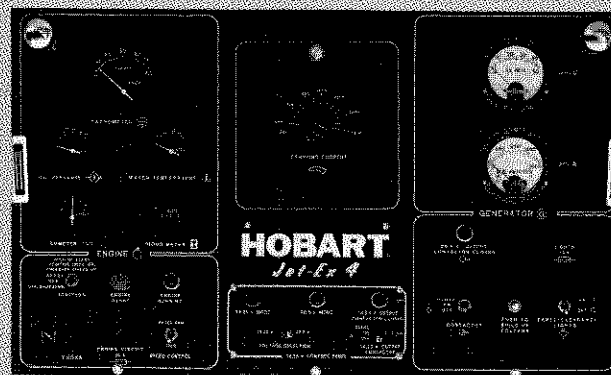
Standard Features

- ◆ Durable, all-welded formed steel frame with weather-resistant canopy
- ◆ Powered by a 2.3 liter Ford industrial engine
- ◆ Reliable, high-efficiency AC rectified alternator
- ◆ Hobart adjustable current limiting "soft start" control
- ◆ Steel fuel tank
- ◆ Protectoseal fuel filler cap
- ◆ Line drop compensation
- ◆ Easy-to-access engine and generator
- ◆ Low profile permits clear visibility
- ◆ Lifting eye
- ◆ Current limit

Control Panel

Features include:

- ◆ Generator
 - voltmeter
 - ammeter
 - contactor controls
- ◆ Engine
 - oil pressure gauge
 - water temperature gauge
 - tachometer
 - charging ammeter
 - starting controls
- ◆ Hour meter
- ◆ Current limiting adjustment
- ◆ Lexan panel protects engine and generator controls



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Specifications

Engine

- ◆ 2.3 Ford industrial diesel engine; 64 hp at 2600 rpm
- ◆ Fuel tank capacity allows 10 hours operation at rated load requiring only one fill per work shift
- ◆ Low oil pressure shutdown, high water temperature shutdown, and overspeed shutdown provide full engine protection
- ◆ Starter cutout prevents engaging the starter while the engine is running
- ◆ Single, maintenance-free 875 CCA battery

Environmental

- ◆ Nominal noise level of 85dBA at 4.5 meters distance, measured 1.5 meters above ground
- ◆ Operating temperature range of -25° F to +125° F

Performance

- ◆ 28.5 volts DC voltage output
- ◆ 550 amperes continuous rating at 28.5 volts DC (550 amperes nominal maximum for aircraft cables)
- ◆ Current limiting "soft start" adjustable from 300 amps. at 28.5 volts to 1600 amperes at 20 volts (at the ground power unit terminals)
- ◆ Line drop compensation assures proper voltage at aircraft

Compliance Standards

- ◆ Voltage regulation, voltage ON transients, and AC Ripple content meets Mil Std. 704D
- ◆ Meets BS2G219 for ON load transients; 20 volts @ end of 30', 4/0 size cable at 1600 amperes
- ◆ Conforms to ARP1247B
- ◆ Operating Manual conforms to ATA 101 and AEA formats

Displays/Instrumentation

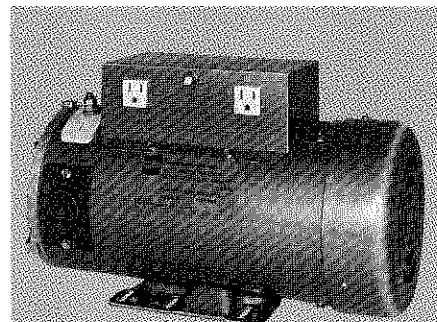
- ◆ Panel lights
- ◆ Clearance lights
- ◆ Output voltmeter and ammeter
- ◆ Engine start switch
- ◆ Engine idle/run switch
- ◆ Engine "ON" light
- ◆ Low oil pressure bypass control during starting
- ◆ Contactor close/open switch
- ◆ Contactor "CLOSED" light
- ◆ Gauges include tachometer, oil pressure, fuel level, water temperature, hourmeter, and battery charging ammeter

Finish

- All Hobart ground power equipment is painted with DuPont Dulux automotive enamel. Jet-Ex 4 paint options are:
- ◆ Standard — One overall color of your choice
 - ◆ Extra charge — Two colors; two colors, with contrasting stripe

Optional Items

- ◆ 120 VAC 60 Hz 1 phase Generator (DA28L-1600-HBC)
- ◆ 14 volt DC kit
- ◆ Export crating
- ◆ Stationary mounting
- ◆ Trailer with hand activated brakes (with or without fenders)



The Hobart Model DA28L-1600-HBC, 120 VAC, 60 Hz Generator provides instant 120 volt electrical power from a compact DC power converter for a variety of uses, including power tools, lights, and vacuum cleaners. The lightweight, rugged design is engineered for long life, dependable performance, and minimal maintenance.

Generator Specifications

Model	DA28L-1600-HBC
Output, nominal	120 VAC, 60 Hz, 1600 watts
Input, nominal	28.5 VDC
Input, amps	approx. 75 amps
Height	9" (228.6 mm)
Length	14-5/8" (371.5 mm)
Width	7" (177.8 mm)
Weight	approx. 50 lbs. (22.7 kg)

Shipping

Model	Length	Width	Height	Ground Clearance	Approx. Weight Without Fuel
Trailer mounted with fenders & cable trays.	73.5" (1867 mm)	58" (1473 mm)	52" (1321 mm)	9.5" (241 mm)	1740 lbs (789 kg)
Trailer mounted without fenders & cable trays. With cable hangers.	73.5" (1867 mm)	54" (1372 mm)	52" (1321 mm)	9.5" (241 mm)	1590 lbs (721 kg)
Stationary unit with cable hangers & spacers under frame.	62" (1575 mm)	34.25" (870 mm)	46.25" (1175 mm)	—	1365 lbs (619 kg)
Footprint without trailer.	62" (1575 mm)	28" (711 mm)	—	—	—

Specifications subject to change without notice.

HOBART®

AIRPORT SYSTEMS

Hobart Ground Power Equipment
1177 Trade Road East
Troy, Ohio 45373 U.S.A.
Phone: 513-332-5080
Fax: 513-339-4219
Telex: 69-75681

Hobart Ground Support Equipment
6950 NW 77th Court
Miami, Florida 33166 U.S.A.
Phone: 305-592-5450
Fax: 305-477-4105
Telex: 51-8833

Hobart Airport Systems
European Support Center
Moezelhavenweg 9, P.O. Box 8144
1005 AC Amsterdam, Holland
Phone: 31-20-611 4981
Fax: 31-20-614 5579

Hobart Airport Systems Pte., Ltd.
80 Marine Parade Road
#13-06 Parkway Parade
Singapore, 1544
Phone: 65-447-2880
Fax: 65-447-0565