



GROUND POWER UNIT LUZES V/N SERIES IV

- designed for powering onboard aircraft systems, engine start-up, and the onboard equipment technical condition checks
- mounted on a standard 15 ft. container frame which can be installed on low chassis
- built on a chassis adapted for towing anywhere in the airport or landing site and on public roads with a maximum speed 90 km/h
- mobile device driven by a multi-fuel diesel engine
- adapted for air transport



GROUND POWER UNITS

TECHNICAL PARAMETERS

OUTPUT A.C. PARAMETERS

3-phase rated voltage	3x115/200V, 400Hz, 4 wire, 2 sides
voltage regulation range	112V ÷ 118V
continuous power	125kVA for cos φ 0,8-1 at 40°C
intermittent power	110% of continuous power for 1h, every 6h at 40°C
rated phase current	360A (260A on 1 wire)
max. phase current	400A (290A on 1 wire)
1-phase rated voltage	1x115V, 50A, 400Hz, 2 wire, 2 sides
voltage regulation	112V ÷ 118V
3-phase rated voltage	3 x 36V, 400Hz, 3 wire, 1 side
rated voltage	28V, 2 sides
voltage regulation	26V ÷ 29V
rated current	800A
max. current	1800A (for 30 sec) 2500A (for 4 sec)

OVERALL PARAMETERS

length	7080 mm with tow, 4630 mm without tow
width	2550 mm
height	2500 mm
wheelbase	3100 mm
chassis weight	3800 kg
container weight	4000 kg

TRACTION PARAMETERS

max. speed	110/85 ADR km/h
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DISPENSING CABLES

length	20 m
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TACTICAL AND TECHNICAL FEATURES

the unit is able to simultaneously provide two types of energy 28V d.c. and 115 V a.c.

during aircraft technical inspection

28V d.c. (operates two aircraft simultaneously)

3-phase a.c.; voltage 115/200V 400Hz (operates two aircraft simultaneously)

1-phase a.c.; voltage 115V 400Hz (operates two aircraft simultaneously)

3-phase a.c.; voltage 3x36V 400Hz (operates one aircraft)

during aircraft engine startup

28V d.c. (operates two aircraft – one after the other)

3-phase a.c.; voltage; 115/200V 400Hz (operates two aircraft – one after the other)

STANDARDS

- MIL-STD-704 F_CHG-1, AIRCRAFT ELECTRIC POWER CHARACTERISTIC
- ISO 6858:2017 AIRCRAFT GROUND SUPPORT ELECTRICAL SUPPLIES
- IATA AIRPORT HANDLING MANUAL (AHM) 40th