



GROUND POWER UNIT LUZES V/D SERIES V

- built on the chassis of the JELCZ 442.32 off-road vehicle
- designed for powering onboard aircraft systems, engine start-up and the onboard equipment technical condition checks anywhere in the airport or landing site
- mounted on a standard 15 ft. container frame with which it can be installed on any truck
- can simultaneously power two aircraft
- no external power source required
- mobile device driven by a diesel engine
- the ability to control via tablet
- adapted for air transport

TACTICAL AND TECHNICAL FEATURES

- the unit is able to simultaneously provide two types of energy 28V d.c. and 115V 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**
- voltage 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)

TECHNICAL PARAMETERS

OUTPUT A.C. PARAMETERS

3-phase rated voltage	3x115/200V, 400Hz, 4 wire, 2 sides
voltage regulation scope	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, 400Hz, 2 wire, 2 sides
rated current	50A
3-phase rated voltage	3 x 36V, 400Hz, 3 wire, 1 side
rated current	25A

OUTPUT D.C. PARAMETERS

rated voltage	28V, 2 sides
voltage regulation	26V ÷ 29V
rated current	800A
max. current (for 30 sec)	1800A
max. current (for 4 sec)	2500A

OVERALL PARAMETERS

length	7700 mm
width	2550 mm
height	2900 mm
wheelbase	4100 mm
front wheel track	2000 mm
rear wheel track	2000 mm
clearance	400 mm
fuel type	diesel, kerosene or biofuel
entry and descent angle	35°
chassis weight	8800 kg
container weight	3900 kg

TRACTION PARAMETERS

max. speed	110/85 ADR km/h
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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

