



GROUND POWER UNIT LUZES II/M SERIES VI

- designed to power on-board aircraft systems with a.c. and d.c. power
- built on a chassis adapted for manual rolling and towing with maximum speed up to 25 km/h
- designed for powering onboard aircraft systems, engine startup and onboard equipment technical condition checks with access to 3x400V/50Hz power source with a nominal load of 125 anywhere in the airport or landing site
- adapted for air transport



TECHNICAL DATA

POWER SOURCE PARAMETERS

LUZES II/M series VI is powered from two sources 230 V/400V a.c. 50Hz with rated current 125A (each), 5 wire TN-S power supply. The unit can also be powered from one source with a nominal power limitation of 50 %.

OUTPUT A.C. PARAMETERS

3-phase rated voltage	3 x 115/200V, 400Hz, 4 wire, 2 sides
voltage regulation range	112V ÷ 118V
continuous power	90 kVA, 1 side for cos φ 0,8-1 at 40°C
rated phase current	260A on 1 wire, 1 side
maximum current in phase	4 x In on 1 wire for 1 sec
1-phase rated voltage	1x115V, 400Hz, 2 wire, 2 sides
rated current	52A on 1 wire, 2 sides
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 2 sides
max. current	1800A (for 30 sec), 2500A (for 4 sec)

OVERALL PARAMETERS

length	2900 mm
width	1827 mm
height	1628 mm
weight	3200 kg

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

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

- ISO 6858:2017 AIRCRAFT GROUND SUPPORT ELECTRICAL SUPPLIES