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## AGP400

### 15 KVA DC Gasoline Engine GPU



**AGP400** series ground support devices (GPU) are products specially designed to provide the 28.5V DC power required for the initial start and maintenance of aircraft engines. Thanks to its compact structure, special design and superior maneuverability, it can be operated and maintained easily with a single operator.

**AREL** -AGP series GPUs, which can produce AC and DC output at the same time as standard, have been produced after more than 30 years of AREL experience, with gasoline and diesel engine options and Arel production special alternators. With a wide range of products from 30 kVA to 180 kVA, 115/200V, 400HZ AC and 400A to 2,500A DC, AREL manufactures products to meet the needs of all aircraft and helicopters in the civil and military aviation industry.

#### ENGINE

- Honda GX690
- 2 cylinders
- 4 stroke
- air cooled
- Gasoline
- 3,000 rpm
- 22.3Hp net output power
- 12V DC starter
- 230 g/hp – hour fuel consumption
- 688 cm<sup>3</sup> cylinder volume

#### ALTERNATOR

- Arel production
- 3,000 rpm
- 8 poles, 200Hz
- Brushless
- 6 phase
- Synchronicity
- 220V AC auxiliary alternator
- IP23
- H class insulation

#### PERFORMANCE

- 15kVA
- 28.5V DC - 400A starting current
- 28.5V DC - 300A continuous output current
- +/- 1% electronic voltage regulation
- 2.5 kVA, 12A, 220V, 50Hz, AC auxiliary output

#### PANEL

- working time clock
- oil warning lamp
- DC Digital Ammeter (600A, 60mV, with shunt)
- DC Digital Voltmeter (0-50V)

- DC Start-stop button
- Ignition key
- Start button
- Fault lamps
- Reset button
- Choke button
- 220V AC outlet socket
- Various warning lights
- Auto Insurance
- Emergency stop button

## CABIN

- Robust construction made of steel sheet
- Electrostatic powder oven paint
- Removable covers for ease of maintenance
- Recessed control panel protected from external influences
- Reflectors for being noticed in the dark

## TRAILER

- Robust structure made of profile steel sheet
- double axle
- Rotatable front axle
- Drawbar driven brake system that mechanically locks the front wheels when parked
- Chassis mounted 45A – 12V starter battery
- 19.5 lt fuel tank on chassis with level indicator
- 300x4 solid rubber wheels

## CABLES

- 8mt - 2x70mm<sup>2</sup> DC output cable and NATO standard DC output connector (MS 25488-27)
- Cable wrap hooks on cabinet

## PROTECTIONS

- Level and duration adjustable output protection system in accordance with IATA criteria for low or high voltage and high current situations
- Engine protection (oil, fuel, temperature, charge, ignition on)

## DIMENSIONS

Width – Length – Load: 90 cm – 180 cm – 104 cm.

Weight: 325 kg

## OPTIONS

- 14V - 28V DC 2-stage output
- Different engine option

## STANDARDS

- ISO 9001:2015
- CE
- IATA Norms
- MS 704F
- ISO 6858-2017
- SAE ARP5015B

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