

## Ground Power Unit Diesel Series

90 -180 KVA

### ● Features & Benefits

- Delivers stable permanent and peak current with protection against voltage and frequency transients.
- Equipped with a Deutz engine, EU-made alternator and regulator, and a long-lasting steel chassis.
- Compact design with a simple control panel, front axle steering, and full access to components without bending.
- Optimized alternator enables efficient 1500 RPM operation, reducing fuel use and wear
- Powers various aircraft with 400Hz and optional 28V DC outputs.
- Meets EN, ISO, SAE, CE, and IATA standards.



### WHY AVRO

- ▶ 2 years standard warranty
- ▶ AAA maintenance program
- ▶ Customized business relationship
- ▶ Stock locations in the United States and Canada

AIRCRAFT GROUND SUPPORT EQUIPMENT

## Diesel Engine 1500 RPM

### Diesel Series

90 -180 KVA

|   |       | GP90D  | GP140D   | GP180D   |
|---|-------|--|--|--|
| Technical Data                              |       |  |  |  |
| GPU Power                                   |       | 90KVA  | 140KVA   | 180KVA   |
| Engine type                                 |       | Deutz  | Deutz  | Deutz  |
| Cylinders                                   |       | Deutz 4 cylinders                              | Deutz 6 cylinders                              | Deutz 6 cylinders                              |
| Emission Standard                           |       | Tier 2   4F                                    | Tier 2   4F                                    | Tier 2   4F                                    |
| Engine kW/hp                                | kW/hp | 118   115                                      | 200   179                                      | 200   179                                      |
| Weight (kgs)                                | kg    | 2,800   2,875                                  | 3,300   3,350                                  | 3350   3400                                    |
| Dimensions of output cables                 |       | Length 10 meters,<br>4 x 70mm <sup>2</sup>     | Length 10 meters,<br>4 x 70mm <sup>2</sup>     | Length 10 meters,<br>4 x 70mm <sup>2</sup>     |
| Outputs optional available                  |       | 28V DC and 56V                                 | 28V DC and 56V                                 | 28V DC and 56V                                 |
| Battery System                              |       | 24V (2 x 12 V 125 Ah)                          | 24V (2 x 12 V 125 Ah)                          | 24V (2 x 12 V 125 Ah)                          |
| Fuel Tank                                   |       | 315 lt / 100 Gal (8 to 24<br>hours operations) | 315 lt / 100 Gal (8 to 24<br>hours operations) | 315 lt / 100 Gal (8 to 24<br>hours operations) |
| Electrical                                  |       |  |  |  |
| Permanent power at cos = 0.8 KVA            |       | 90   | 140  | 180  |
| Overload 25% - 5 min                        |       | Yes  | Yes  | Yes  |
| Overload 10% - 10 min                       |       | Yes  | Yes  | Yes  |
| Outputs 400Hz 115/200V                      |       | 1  | 2  | 2  |
| Transient Performance MIL<br>STD704E/EN2282 |       | Yes  | Yes  | Yes  |