PowerSources
Produktion u. Vertrieb von Stromversorgungen

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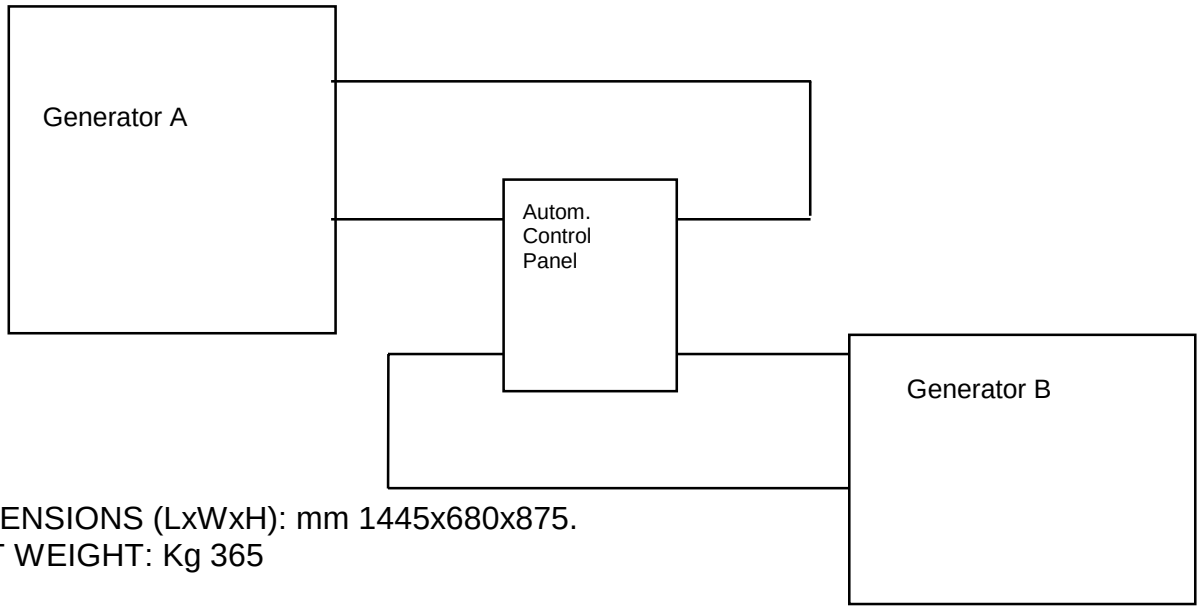
Diesel – Dual-Genset

Type PSE 10000 (double set)

TECHNICAL DESCRIPTION OF D10000-DE

One base frame, No. 1 50 lt. fuel tank, No. 1 starting battery, No. 2 generators with engine Ruggerini type RD 210 and alternator Mecc Alte type MR2, continuous power 10 KVA at cosphi 1.



DIMENSIONS (LxWxH): mm 1445x680x875.
NET WEIGHT: Kg 365

ENGINE TYPE: Ruggerini RD 210

Technical Data:

Bore	90
Stroke	75
Displacement	954
Cylinders	2
Compression ratio	19:1
Power	15 (20,5)
Power	14 (19)
Power	12,9 (17,6)
r.p.m.	3000
Max. torque ????	49/2600
Fuel tank capacity	7
Oil sump capacity	3
Dry weight	78

CHARACTERISTICS:

- Four strike diesel cycle
- Direct injection
- Air cooling with flywheel fan
- Feeding by double diaphragm fuel pump
- Automatic mechanic fuel supplement
- Centrifugal speed governor
- Crankcase in diecast aluminium
- Electric or rope starting
- Counterclockwise rotation (viewed from side of drive shaft)

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AUTOMATIC CONTROL PANEL

Metal box mounted on anti vibrating dampers on the frame of the generating set with the following devices:

N°2 electronic control units with microprocessor type AMT 910 for the operation and the protection of the two generators (one unit will have the priority, the second will start in case of a failure of the first)

N°3 contactors (generator A / main / generator B) for the commutation

N°1 battery charger

N°1 earth circuit breaker

N°1 switch to disconnect the starting battery from the automatic control panel

N°1 terminal board for the connection to the main and to the load (the connection of the two generators to the automatic control panel is standard supplied)

Functions of the control unit AMT 910

Light signal:

- low fuel level switch
- low battery voltage
- main contactor connected
- generator contactor connected
- engine running

Signals on the display (XXX)

- (St.) starting
- (Arr) stopping
- (150) no voltage
- (270) second generator running
- (XXX) programming values
- voltage main/generator
- current main/generator
- generator frequency
- battery voltage
- operation hour counter

pushbutton selector:

PROGRAM / BLOCKED / RESET / MAN. / AUTO / TEST

DATA (HOURS) / AMPERE / VOLTAGE / FREQUENCY / BATTERY-V

Engine Protections

signaled on the display (XXX)

- (E01) overspeed
- (E04) no voltage from the generator
- (E05) generator over current
- (E06) underspeed

lamp signals:

- low oil pressure
- height engine temperature
- starting failed

TRAILER

Axle with inflated tires, for slow towing.