



## V 450

### STANDARD

Preheater  
Batteries and cables  
Electronic battery charger  
Fuel tank integrated in the chassis  
Flexible fuel hoses and oil drain valve  
Electrostatic powder painted chassis made of steel sheet welded  
Stainless galvanized steel design

## OUTPUT VALUES

Standby Power			Prime Power		
kVA	kW	Ampere	kVA	kW	Ampere
450	360	650	400	320	578

## DIESEL ENGINE **VOLVO PENTA**

ISO 8528, ISO 3046, BS 5514, DIN 6271 state-of-the-art engine brands with low fuel consumption, fuel pump mounted, mechanical or electronic type governor are used.

Brand	Volvo
Model	TAD1344GE
Max Total Output Power (kWm/hp)	389/529
Cylinder Volume (lt)	12,78
Cylinder Arrangement	6 Single Lines
Bore x Stroke (mm*mm)	131*158
Governor Type	Electronic
Cycle (Rotation)	1500 RPM
Intake System	Turbocharger
Spray Type	Directly
Cooling Type	Water Cooled
Electric System (VCD)	24
Oil Capacity (lt)	36
Cooling Water Capacity (lt)	46
Fuel Consumption %50 (lt/h)	43
Fuel Consumption %75 (lt/h)	63
Fuel Consumption %100 (lt/h)	83



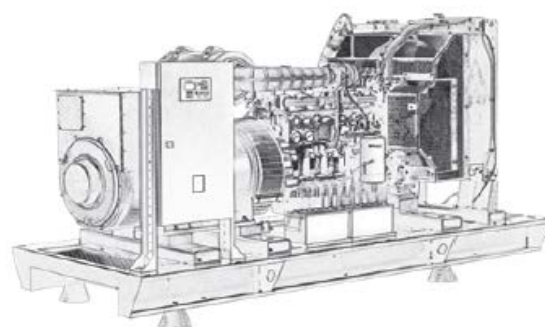
**LERROY<sup>®</sup>  
SOMER**  
**ALTERNATOR**

4-pole self-excited brushless, synchronous alternator, maintenance-free bearing system, providing precise voltage adjustment with electronic type voltage regulator.

Output Voltage (V)	230/400
Frequency (Hz)	50
Permanent Voltage Reg. (±) (%)	0,01
Short Circuit Current	% 300 (10 sec)
Insulation Class	H
Protection Class	IP23
Efficiency(%)	93
Working Time at Overload	% 110 for 1 hour
Power Factor (cos Phi)	0,8
Total Harmonic Distortion Rate	%3
Connection Style	Phillips (Star)
Pole Number	4
Number of Beds	Single
Type	3V

**DIMENSIONS AND WEIGHT**

<b>CANOPY</b>	Width (mm)	1400		<b>OPEN</b>	Width (mm)	1400
	Size (mm)	4000			Size (mm)	4000
	Height (mm)	2200			Height (mm)	2000
	Weight (Kg)	3850			Weight (Kg)	3450
	Fuel Tank Capacity (Lt)	500			Fuel Tank Capacity (lt)	500





## OPTIONAL FEATURES

- Sound insulation
- Transfer board
- Fuel water separator filter
- Alternator output switch
- Fuel tank heater
- Oil heater
- External fuel tank and transfer pump
- Remote monitoring and control
- Synchronization systems
- Special type exhaust silencer
- Trailer

## CONTROL PANEL FEATURES



- Diesel and gas generator support
- 400 Hz generator support
- Event record with 400x measurement value
- All parameters can be changed from the front panel
- 3 level program password
- 128x64 pixel graphic LCD
- Language upload
- Current-voltage waveform
- Current-voltage harmonic analysis
- 16 Amp / 250V outputs
- 8 programmed digital inputs
- 6 programmed digital outputs
- 3 programmed analog inputs
- CANBUS-J1939 & MPU input
- 3 scheduled service alarms
- Multiple automatic test program
- Dual generator support, equal aging
- Fine speed adjustment (some ECUs)
- Automatic fuel pump control
- Protection cancellation feature
- Overpower protection
- Reverse power protection
- Overcurrent IDMT protection
- Load shedding, dummy load
- Multiple load shedding programs
- Current unbalance protection
- Voltage unbalance protection
- Fuel filling and theft alarms
- Battery backed real time clock
- Idle speed control
- Battery charging operation
- Battle mode support
- Multiple nominal condition definitions
- Contactor and motorized switch drive
- 4 quarter energy meters
- Network energy meters
- Fuel fill counter
- Fuel consumption counter
- Modem diagnostic page
- RS-232 and GPRS parameter setting
- Free configuration software
- SMS control facility
- Ready to watch the center
- Mobile generator support
- Automatic GSM geolocation
- GPS connection (RS232)
- Installing software via USB
- IP65 protection (with gasket)