



Description

60HZ 80KW VOLVO Silent type diesel generator

480/277V 3phase 240/127V 3p and 220/110V 1p

GENSET POWER						
Voltage	Hz	Phase	Power Factor	Current	Standby Power	Prime Power
480V	60HZ	3	0.8	120A	88KW	80KW

General features:

- Engine:VOLVO TAD550GE
- Alternator:Stamford UCI 224G14
- Digital Controller:Deepsea DSE7320
- Equipped with 45°C Radiator;
- Equipped with 24V DC Start motor;
- Equipped with vibration Isolators between the engine/alternator and base frame;
- Equipped with high performance maintenance-free lead-acid starting batteries and battery switch;
- Equipped with industrial silencer and flexible exhaust hose;
- Equipped with high performance circuit breaker;
- Designed to Comply with ISO9001&CE;
- Every generator set is subjected to a comprehensive test program which includes 50% load, 75% load,100% load, 110% load and the checking and proving of all control and safety shut-down functions;

WEIGHT AND DIEMENSIONS	
Size of Genset Silent Type	3000*1050*1650mm
Weight of Genset Silent Type	1500KGS with 380L base fuel tank





ENGINE DATA	
Manufacturer/Model	VOLVO TAD550GE
No. Of Cylinder	4 Cylinders type
Cycle	4 Stroke
Aspiration	Turbo charged
Combustion System	direct Injection
Bore×Stroke	108mm x130mm
Displacement	4.76 L
Prime Power/Speed	80KW @ 1800rpm
Standby Power/Speed	88KW @ 1800rpm
Speed Governor	Electric
Cooling System	Forced water cooling cycle
Steady speed droop	≤1%
Starter Motor	DC24V

FUEL SYSTEM	
Fuel Type	Diesel
Fuel Consumption at 100% Load	213gram/kw.h

LUBE OIL SYSTEM	
Total lubrication system capacity	13L
Lube Oil Type	CD15W Class and Above

COOLANT SYSTEM	
Total Coolant Capacity	10 L
Max Water Temperature	104°C
Thermostat	82-95°C

ALTERNATOR DATA	
Manufacturer / Model	Stamford UCI224G14
Prime power	80KW
Frequency/speed	60HZ/1800rpm
Exciter type	Brushless, Self-excited

Power factor	0.8
Voltage adjust range	≥5%
Insulation Grade	H
Pole No.	4
Protection Grade	IP23
Phase / wire	3 phase 4 wire

CONTROL PANEL

Deepsea DSE7320

The control module gives digital readouts of:
 Generator voltage;
 Output frequency;
 Engine speed;
 Battery voltage;
 Engine hours run.

The control module has indicators for failure information:
 Over speed/Low speed,
 Emergency stop
 Low oil pressure;
 High water temperature
 Failure to start
 Battery charger failure

Automatic shutdown occurs under:
 Low engine oil pressure;
 High engine water temperature;
 Over speed/Low speed;
 Failure to start after three attempts.





STANDARD ACCESSORIES	Open type	Silent type
Sound-proof & Weather-proof Canopy	N/A	√
Daily base fuel tank. 8 hours capacity	N/A	√
Single-bearing generator again drops	√	√
Intelligent LED display control panel	√	√
Speed governor	√	√
Electric start and 24v charger	√	√
Standard air filter, oil filter, fuel filter	√	√
Cooling water tank	√	√
High-efficient silencer.	√	√
Exhaust elbow	√	√
Storage battery	√	√
Steel base-frame against vibration	√	√
Soft pipe for fuel and handle for lube going-out	√	√
Operation& Maintenance manual.	√	√

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