



Engine Specifications

DIESEL ENGINE DATA

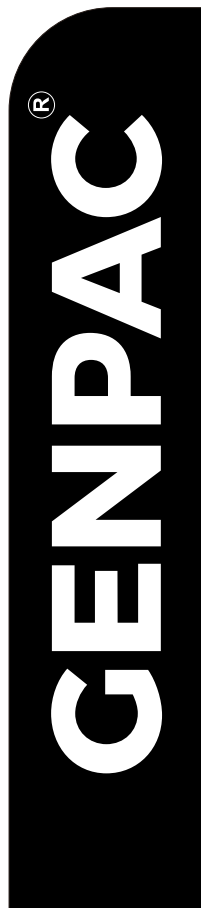
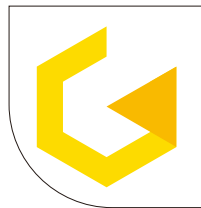


Engine Model	VOLVO TAD531GE
No Of Cylinder / Arrangement	4 , in Line
Cycle	4 Stroke
Aspiration	Turbo With Charge Air Cooler
Bore X Stroke	108 X 130 mm
Displacement Total	4.76 liters
Compression Ratio	18 : 1
Combustion System	Six Hole Fuel Injection Nozzles
Direction Of Rotation	
Cooling System	Water Cooled
Air intake system	Turbo Charger, Closed Crankcase Ventilation

GENERATOR DATA



Manufacture	Rexford
Phase Power	3
Voltage	230/400 Volt
Power Factor	0.8
Coupling	Direct
Bearing Number	1
Index Protection	22
Insulation Class	H
Exciter Type	S Hunt
Pole Number	4



Rating 50 Hz (1500 RPM)	KVA	KW
Continuous (C)		
Prime (P)	100	80
Standby (S)	110	88

LUBRICATING SYSTEM



Wet Full Flow Disposable Spin-On Oil Filter, For Extra High Filtration

Rotary Displacement Oil Pump Driven By The Crankshaft

Deep Centre Oil Sump, 30° Inclination

Oil Filler On Top

Oil Dipstick, Short In Front

Integrated Full Flow Oil Cooler, Side-Mounted

Total Lubrication Capacity 13 Liters

COOLING SYSTEM



Thermostat Belt Driven, Maintenance-Free Coolant Pump With High Degree Of Efficiency

Efficient Cooling With Accurate Coolant Control Through A Water Distribution Duct In The Cylinder Block

Reliable thermostat with minimum pressure drop Cooling water pipe, inlet and outlet

Fan on separate bracket 292mm above crankshaft

Total coolant capacity 12.6 Liters

FUEL SYSTEM



Washable Fuel Prefilter With Water Separator

Rotary Low-Pressure Fuel Pump

Fine Fuel Filter Of Disposable Type

Fuel Consumption

218 g/kwh @ 100% Prime Power

219 g/kWh @ 100% Standby Power

ELECTRICAL EQUIPMENT



12 V Electrical System

Alternator 1x55a / 12v, Low Left

Starter Motor, 3.1kw / 12 V, Single Pole

Ecu (Without High Altitude Sensor) Control And Monitoring Of Oil Pressure, Coolant Temperature, Coolant Level, Charge Air Pressure, Engine Rpm And Fuel Temperature Compensation


SAFETY DEVICE



Low Oil Pressure

High Water Temperature and Overspeed

Weight & Dimensions

DIMENSION		OPEN	SILENT	
Length	mm	2100	2750	
Width	mm	815	1150	
Height	mm	1310	1555	
Weight	Kg	1282	1768	

