



Engine Specifications

DIESEL ENGINE DATA

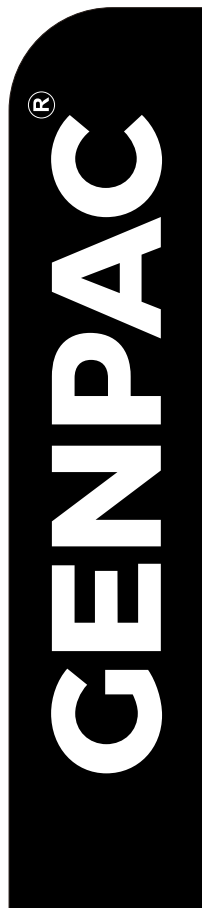
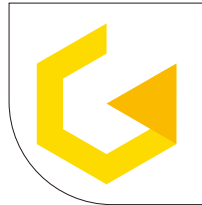


Engine Model	VOLVO TAD731GE
No Of Cylinder / Arrangement	6 , in Line
Cycle	4 Stroke
Aspiration	Turbocharged
Bore X Stroke	108 X 130 mm
Displacement Total	7.15 liters
Compression Ratio	18 : 1
Combustion System	Direct Injection
Direction Of Rotation	Anti-Clockwise Viewed Towards Flywheel
Cooling System	Water Cooled
Air intake system	Turbo Charger, 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)	155	120
Standby (S)	165	132

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 20 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

Belt driven coolant pump
Fan hub, Fan on separate
bracket 292mm above
crankshaft, pusher fan Ø
600 mm

Total coolant capacity 14 Liters

FUEL SYSTEM



Mechanical Direct injection
unit pumps

Electronic governor with
smoke limiter function

Washable fuel prefilter with
water separator

Rotary low-pressure fuel
pump

Fine fuel filter of disposable
type

Fuel Consumption

215 g/kwh @ 100%
Prime Power
215 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)


SAFETY DEVICE



Low Oil Pressure

High Water Temperature and Overspeed

Weight & Dimensions

DIMENSION		OPEN	SILENT	
Length	mm	2750	3000	
Width	mm	950	1200	
Height	mm	2100	1650	
Weight	Kg	1678	2672	

