

## STANDARD SPECIFICATIONS

### 1. ENGINE

Cummins four stroke heavy duty high performance industrial type diesel engine.

### 2. ENGINE FILTRATION SYSTEM

- Cartridge type dry air filters.
- Cartridge type fuel filters.
- Full flow lube oil filters.

All filters have replaceable elements.

### 3. COOLING RADIATOR

Radiator and cooling fan, complete with safety guards, designed to cool the engine at high ambient temperatures (consult your dealer for de-ration factors).

### 4. EXHAUST SYSTEM

Maximum allowable back pressure	10.25 (kPa)
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### 5. CIRCUIT BREAKER TYPE

3 pole MCB / MCCB (supplied disconnected and without cables)

### CONTROL PANEL

Make	Deep Sea
Model	DSE7310/7320

*The DSE7310 is an Automatic start Control Module and The DSE7320 is an auto Mains(Utility) Failure Control Module. Both Modules have been designed to start and stop diesel and gas generating sets that include electronic and non-electronic engines. The DSE7320 includes the additional capability of being able to monitor a mains(utility) supply.*

- Backed up real time clock
- 132x64 pixel LCD display
- Programmable event logging(50), showing reason, date and time
- Five key menu navigation
- Fully configurable via PC software
- Configurable start & fuel outputs
- KWh monitoring
- Automatic load transfer
- Magnetic pick-up
- Front panel programming
- Multiple date and time exercise scheduler
- Programmable load shedding/acceptance
- KW overload protection
- Unbalanced load protection
- DSENet compatible
- Engine exercise mode

## ENGINE / TECHNICAL DATA

Engine Make	Cummins	
Engine Model	KTA38-G5	
Governing class	ISO 8528	
Number of Cylinders	12	
Cylinder Arrangement	in line	
Bore and Stroke mm	159 x 159	
Displacement / Cubic Capacity litres	37.8	
Induction System	Turbo charged, air cooled	
Cycle	4 cycle, 60 degree Vee	
Combustion System	Direct Injection	
Compression Ratio	-	
Cooling System	Air - Air charge cooled	
Frequency and Engine Speed	50Hz & 1500rpm	
	<b>Prime</b>	<b>Standby</b>
Gross Engine Power kW (hp)	880(1180)	970(1300)
Fuel Consumption@ 50% load L/hr	113	-
@ 75% load L/hr	161	-
@ 100% load L/hr	209	228
Total Lubrication System Capacity litres	140	N.A.
Total Coolant Capacity (inc. radiator)litres	218.5	N.A.
Exhaust Temperature:°C	565	575
Radiator Cooling Air Flow (Min): m <sup>3</sup> /sec	18.9	N.A.
Intake Air Flow: litre/s	945	1005
Exhaust Gas Flow: litre/s	2750	2980
Fuel Tank Capacity:litres	N.A.	N.A.

### DIMENSIONS AND WEIGHT\*

Length mm	Width mm	Height mm	Weight*kg
5898	2350	2390	9045

\* For skid mounted genset without enclosure

Output Ratings	Prime	Standby
380-415 V, 3 ph, 50 Hz, 1500 rpm	1000.00 KVA	1100.00 KVA
	800.00 KW	880.00 KW
480 V, 3 ph, 60 Hz, 1800 rpm	1018.76 KVA	1120.64 KVA
	815.01 KW	896.51 KW

Applicable Voltages: 220/127 V at 60 Hz only (Consult your dealer for more details)

Ratings at 0.8 Power Factor

# 1000 KVA

POWERED BY:



### ALTERNATOR DATA

Make	Leroy Somer TAL
Model	TAL 049 E
KVA	1000
KW	800
No. of bearings	1
Insulation class	H
Total Harmonic Content	in linear load <5% , at no load < 3.5%
Winding Leads	6
Ingress Protection	IP23
Excitation System	Excited by P.M.G
Winding Pitch	2/3
AVR Model	R180
Overspeed	2250 mn <sup>-1</sup>
Voltage Regulation	± 1.0 %
Short Circuit Capacity	-

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