

DIESEL GENERATION AUSTRALIA

DGLGYL22P

50Hz 1500RPM 16kW/20kVA

50Hz

General Features

- Engine 4TNV98T-GGECC Yanmar
- Alternator TAL-A42-CJS6/4 30KVA Leroy Somer
- Controller DSE4620 Deep Sea

Prime power	16kW / 20kVA
Standby power	17.6kW / 22kVA



- Electric speed control
- Oversize Alternator
- 12V starting batteries, maintenance-free type, connecting cables
- Equipped with ABB MCCB
- Equipped with industrial silencer and flexible exhaust hose
- Radiator 40°C max, fans are driven by belt with safety guard
- Base fuel tank: 24hour bunded fuel tank

- 12V charge alternator
- Australia socket with RCBO
- Equipped with battery charger
- Design comply to ISO8528/GB2820
- Absorber (anti instant braking)
- User manual, Packing list

General Ratings

Voltage	Power		Frequency	Phase	P.F (COSφ)	Prime Current
	Prime kw	Standby kva				
415/240V	16	20	50	3	0.8	27.8

Prime power

This rating is for the supply of continuous electrical power at variable load. A 10% overload capability is available for a period of 1 hour within each 12-hour period of operation.

Standby power

This rating is for the supply of continuous electrical power at variable load in the event of utility power failure. No overload is permitted.

Dimension And Weight



Silent with Canopy
 Size(L×W×H): 1850×800×1450(mm)
 N.W.: 1060 (kgs)

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50Hz 1500RPM 24kW/30kVA

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Engine Specifications

1	Engine model	4TNV98T-GGECC
2	Engine manufacturer	YANMAR
3	Number of cylinders	4
4	Cylinder arrangement	Vertical in line
5	Cycle	4 stroke
6	Aspiration	Naturally
7	Bore×Stroke(mm×mm)	98*110
8	Displacement (Liter)	3.319
9	Compression Ratio	18.1:1
10	Prime power/speed (kW/RPM)	37.7/1500RPM
11	Standby power/speed (kW/RPM)	41.1/1500RPM
12	Speed governor	Mechanical
13	Cooling system	Water-cooled
14	Coolant capacity (engine only) (L)	4.2
15	Steady speed droop (%)	≤ 5%
16	Total lubrication system capacity (L)	10.5
17	Oil consumption (% of fuel)	<0.15%
18	Fuel consumption at 100% load (L/H)	0.3
19	Fuel consumption at 75% load (L/H)	N/A
20	Fuel consumption at 50% load (L/H)	N/A
21	Starter motor	DC 12V/12.KW
22	Dynamo	AC 12V

Alternator Specifications

Compliance with GB755,BS5000,VDE0530,NEMAMG1-22,IED34-1,CSA22.2 and AS1359

1	Alternator model	TAL-A42-CJ 6S/4
2	Alternator manufacturer	LEROYSOMER
3	Exciter type	Single bearing, Brushless, Self-excited
4	Rated output prime power	30kVA
5	Rated speed	1500 RPM
6	Rated frequency	50 Hz
7	Phase	3
8	Rated voltage	415V
9	Power factor	0.8
10	Voltage adjust range	≥5%
11	Voltage regulation NL-FL	≤±1%
12	Insulation grade	H
13	Protection grade	IP23

Alternator option

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Main Electrical Performance Data

Stable Regulation rate	Voltage			Frequency			
	Fluctuation	Recover time	Instantaneous Regulating rate	Stable regulation rate	Instantaneous regulating rate	Recover time	Fluctuation
+/-2.5%	0.5%	1.5s	+20%/-15%	+5%	+/-10%	5S	0.5%


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Control System

Deepsea (UK)	Model	DSE4620
Protection	Parameter	PHOTO
<ul style="list-style-type: none"> ■ Low oil pressure ■ High water temp ■ Over speed ■ Over crank ■ Over load ■ Over/low volt ■ Over/low frequency ■ Battery charge failure 	<ul style="list-style-type: none"> ■ Volt ■ current ■ power ■ speed ■ frequency 	<ul style="list-style-type: none"> ■ oil pressure ■ oil temp ■ power factor ■ running time ■ water temp ■ battery voltage
		

Option

Generator Set

- Trailer generator set
- ABB MCCB circuit breaker
- 50°C Radiator

Fuel system

- 12 hours base fuel tank
- 24 hours base fuel tank
- Dual wall base fuel tank
- External fuel tank

Exhaust system

- Residential exhaust silencer

Alternator

- PMG excitation
- Anti Condensation Heater

For cold area

- Water heater
- Oil heater
- Rapid water preheater (diesel burner)

Auto system

- Remote Control panel
- ATS control cabinet
- Paralleling System

External ATS



Water Heater



Oil Heater



Paralleling System

