

DIESEL GENERATION AUSTRALIA

DGLGL33

50Hz 1500RPM 24kW/30kVA

50Hz

General Features

- | | | |
|--------------|---------------|-------------|
| ■ Engine | 4TNV98T-GGECC | YANMAR |
| ■ Alternator | TAL-A42-C | LEROY SOMER |
| ■ Controller | DSE4620 | DEEPSEA |

| | |
|---------------|------------|
| Prime power | 24kW/30kVA |
| Standby power | 26kW/33kVA |



- | | |
|--|---|
| <ul style="list-style-type: none"> ■ Electric speed control ■ 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: 100L bunded fuel tank | <ul style="list-style-type: none"> ■ 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 (A) |
|----------|----------|-------------|-----------|-------|------------|-------------------|
| | Prime kw | Standby kva | | | | |
| 415/240V | 24 | 30 | 50 | 3 | 0.8 | 45.9 |

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): 2000×900×1260(mm)
 N.W.: 920 (kgs)

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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) | 3.0 |
| 19 | Starter motor | DC 12V/12.KW |
| | | |
| | | |
| | | |

Alternator Specifications

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

| | | |
|----|--------------------------|---|
| 1 | Alternator model | TAL-A42-C |
| 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 |

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 | |
| <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

External ATS



Water Heater



Oil Heater



Paralleling System

