

## REDSTAR DLW-300LS

### SPECIFICATIONS

#### DC Welding power

Rated Output (kW) / e-mode	7.90 / 8.74
Rated Current (A) / e-mode	260 / 280
Rated Voltage (V) / e-mode	30.4 / 31.2
Welding Current Range (A) / e-mode	30~280 / 30~300
Rated Duty (%) / e-mode	100

#### AC POWER source

Frequency (Hz)	50 / 60
Rated Output (kVA)	10.4/11.4
Rated Voltage (V)	200 / 220 or 380~440
No. of Phase	3-Phase 4 Wire
Power Factor	0.8 (Lagging)

#### Diesel Engine

Make / Model	Yanmar 3TNME68G
Type	4-cycle, vertical, water cooled with radiator
Rated Output (kW)	12.9 / 15.0
Rated Speed (min-1)	3000 / 3600
Displacement (L)	0.784
Fuel	ASTM No. 2 diesel fuel or equivalent
Fuel Consumption (L/h) / e-mode	1.96/2.34
Fuel Tank Capacity (L)	36
Battery x Quantity	55B24Lx1

#### Unit

Length / Width / Height (mm)	1410X560X770
Dry Weight (kg)	379

#### Noise

7mdB (A) / e-mode	63 / 65
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#### E mode Function Reduces Fuel Consumption and Noise Level

With e mode operation ( idling speed ), the unit controls welding current up to 160A on DLW-300ES/DLW-300ESW and 240A on DLW400ESW respectively, reducing fuel consumption by 25-30% compared with other standard welders. In addition, newly developed hood structure incorporating a new cooling system dramatically reduces noise level.



#### Clean Engine

The engine equipped with the Closed Breathing System which keeps the blow-by gas in the machine, and the aluminium radiator which does not cause lead pollution is categorised as a construction machine that satisfies the emission gas regulation stage 2, enforced by the Ministry of Land, Infrastructure and Transport (except for DAW-180SS).

#### Slowdown device reduces noises and saves

The Slowdown unit automatically lowers engine speed during no-load, reducing noise and increasing fuel efficiency.

#### Easy daily inspection & maintenance

Daily inspection and maintenance can be carried out one side of the machine. In addition, the radiator can be cleaned easily by removing the front cover.

#### Switch key operation restarts the engine with air vented automatically

The generator is equipped with an automatic air-venting unit that eliminates air by turning a switch key when restarting the engine after fuelling.

#### Alternator requires maintenance free

The use of brushes or slip rings in the alternator eliminates the need for maintenance.

#### Various protective systems assuring safety

This machine

- Automatically cut the power off when over-loading DC output. (Except for TLW-230ES)
- protect over-loading AC output by shutting down its circuit breaker.
- Automatically stop the engine with the warning indicators, at low lube oil pressure, high water temperature, and insufficient charging of the battery.
- prevent from electrical leaking with its relay. (Optional for DAW-180s. DAW-300SS. TLW-230S)

#### Options

Four-wheel kit, exhaust pipe attachment, remote controller, measures against salt damage.