



**EPA Certified Tier 4 Final**

OUTPUT POWER OPTIONS						CONTINUOUS DUTY	
Operation Mode	Voltage	Alternator	Model	Phase	Hertz	kW/kVA	Amps
Single Genset	277/480	Leroy Somer	LSA 47.2L9	3	60	500/625	753
	120/208		LSA 47.2L9	3	60	500/625	1737
Dual Genset	277/480	Leroy Somer	LSA 47.2L9	3	60	1000/1250	1505
	120/208		LSA 47.2L9	3	60	1000/1250	3474

**Engine Data**

**TM1250**

Manufacturer	Volvo
Model	TWD1683GE
EPA Tier	4 Final
Aspiration	Turbocharged
Arrangement	Inline 6 Cylinder
Displacement: L (in. <sup>3</sup> )	16.12 (983.70)
Gross Horsepower: (each)	811
Rated RPM:	1800
System Voltage:	24Vdc

**Fuel System**

Fuel Type	Ultra-Low Sulfur Diesel
Fuel Capacity: gal (L)	1109 (4198)
Containment:	110%

**Sound Level**

23 Feet: dBA	72
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**Fuel Consumption (Per Genset)**

At 100% of Power Rating: gal/hr (L/hr)	37.59 (142.29)
At 75% of Power Rating: gal/hr (L/hr)	28.33 (107.24)
At 50% of Power Rating: gal/hr (L/hr)	19.85 (75.14)
At 25% of Power Rating: gal/hr (L/hr)	11.08 (41.94)

**DEF**

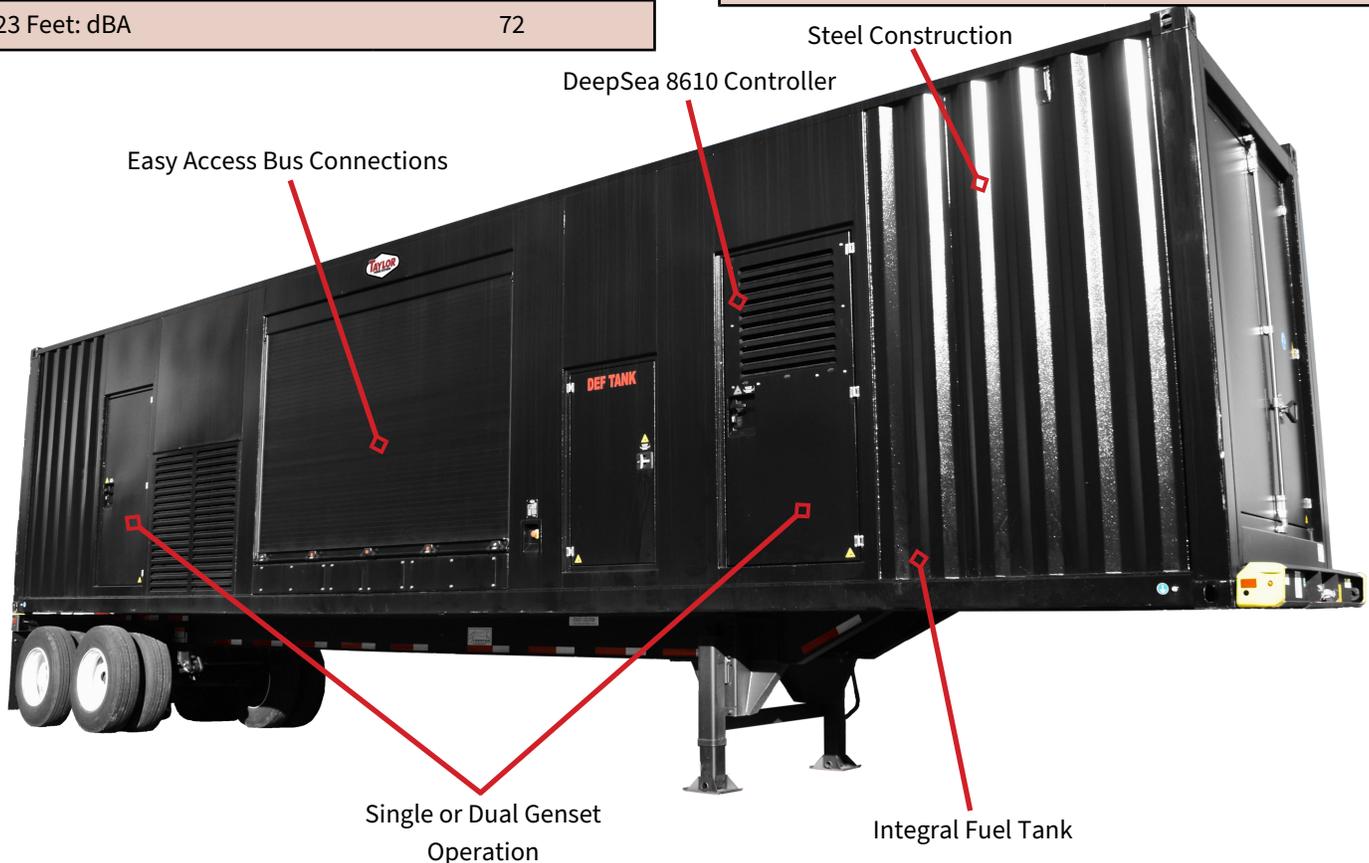
DEF Capacity: gal (each)	42
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**DEF Consumption (Per Genset)**

At 100% of Power Rating: gal/hr (L/hr)	1.33 (5.03)
At 75% of Power Rating: gal/hr (L/hr)	1.22 (4.62)
At 50% of Power Rating: gal/hr (L/hr)	0.96 (3.63)
At 25% of Power Rating: gal/hr (L/hr)	0.77 (2.91)

**Weight**

Dry: lbs	44,974
Wet: lbs	53,444



**General Guidelines for Deration:** Altitude: Derate 0.5% per 100m (328 ft.) Elevation above 1000m (3279 ft.) Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F)

**Ratings:** All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.

**Prime Ratings:** Prime ratings apply to installations where utility power is unavailable or unreliable. At varying load the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1, BS5514, AS2789, and DIN 6271. For limited running time and base load ratings consult the factory. The generator set manufacturer