

**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 47.3L9	3	60	500/625	753
	120/208		LSA 47.3L9	3	60	500/625	1737
	120/240		LSA 47.3L9	3	60	500/625	1505
Dual Genset	277/480	Leroy Somer	LSA 47.3L9	3	60	1000/1250	1505
	120/208		LSA 47.3L9	3	60	1000/1250	3474
	120/240		LSA 47.3L9	3	60	1000/1250	3011

**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**

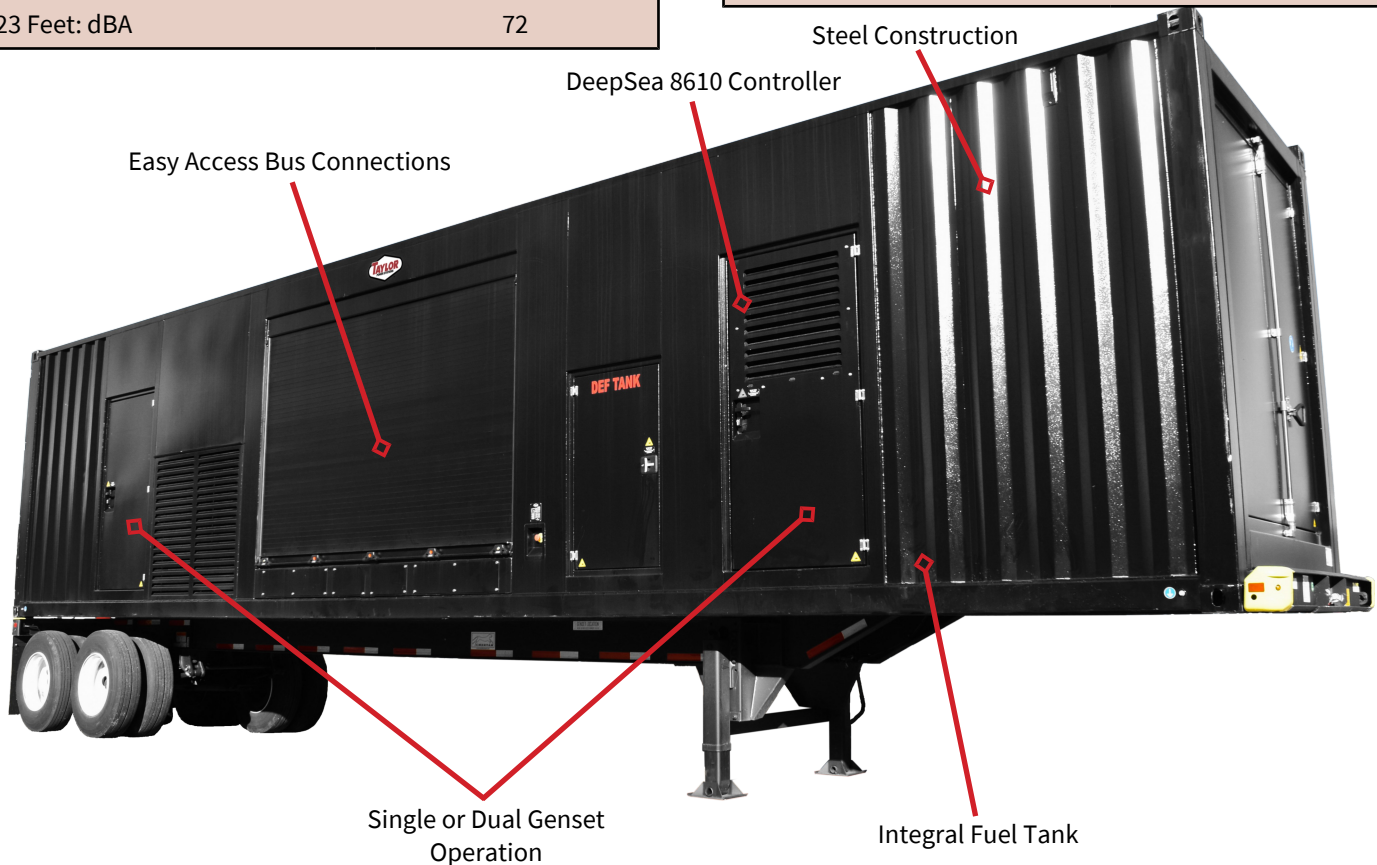
DEF Capacity: gal (each)	42
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**DEF Consumption (Per Genset)**

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 reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.