

G625RS | Rental Diesel Generator



DIESEL GENERATOR

T4F

WEIGHT AND DIMENSIONS - STATIC

Length	in	195
Width	in	81
Height	in	100
Weight*	lbs	21772

*Standard build with all fluids including fuel

WEIGHT AND DIMENSIONS - TRAILER MOUNTED

Length	in	261
Width	in	105
Height	in	123
Weight*	lbs	24472

*Standard build with all fluids including fuel

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime Rating		Amps	Rated Speed (RPM)	Emissions
			kVA	kW			
60	3	480/277V	625	500	753	1800	T4F
60	3	208/120V	625	500	1737	1800	T4F
60	1	240V	300	300	1250	1800	T4F

POWER FACTOR

3 Phase	0.8
1 Phase	1

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS

Prime: This rating is for the supply of continuous electrical power, at variable load (70% average), in lieu of commercially purchase power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12.

Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046

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AIR SYSTEM

Limiting Ambient Temperature	°F	60Hz	122
Radiator Duct Allowance	In H ₂ O		1.00
Radiator Cooling Airflow	cfm		28817

EXHAUST SYSTEM

Maximum Temperature 100%	°F	60Hz	1459
Exhaust Gas Flow 100%	lbs/hr		4025
Maximum Allowed Back Pressure	In H ₂ O		76.4

FUEL SYSTEM

Diesel Specification	Grade	ASTM D975 (2D)	
Standard Fuel Tank Capacity	(US) g	593	
Fuel Tank Material	Type	Steel	
Fuel Tank Construction		Double Skinned	

FUEL CONSUMPTION

100% Load Prime	(US) gph	60Hz	34.1
75% Load Prime	(US) gph		25.8
50% Load Prime	(US) gph		20.4

DEF SYSTEM

DEF Specification		ISO 22241-1	
Standard Capacity Tank	(US) g	42.3	

DEF CONSUMPTION

100% Load Prime	(US) gph	60Hz	2.01
75% Load Prime	(US) gph		1.73
50% Load Prime	(US) gph		1.31

ENGINE

1800 RPM		
Net Output Rating (PRP)	kW	596
Net Output Rating (Standby)	kW	655
Manufacturer and Model		Volvo TWD1683GE
Fuel		Diesel
Injection		EUI
Aspiration		Turbo Charged
Cylinders		6
Bore and Stroke	in	5.67 x 6.5
Displacement	in ³	983.9
Cooling		Water
Engine Oil Specification		API CH4-SAE 10W40
Compression Ratio		16.8 : 1
Engine Oil Capacity	(US) g	12.70
Coolant Capacity	(US) g	43.9
Governor		Electronic
Engine Oil Consumption	(US) gph	0.022
Exhaust After treatment	SCR	●
	DOC	x
	DPF	x

AMBIENT CLEARANCE

Upper Temperature Limit	°F	122
Lower Temperature Limit	°F	23

SOUND PRESSURE

LpA (23ft) - <i>Provisional</i>	dB(A)	60Hz	72
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