



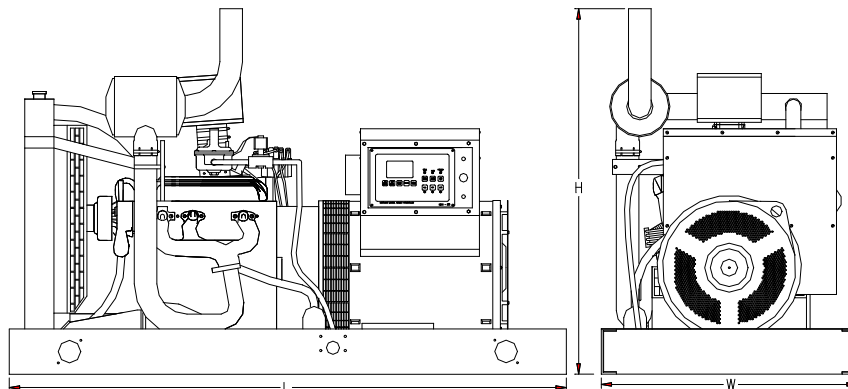
S SERIES GAS

25 kW @ 60 Hz.
S Series

25*GS6NL

MTU Detroit Diesel Power Generation generators are available in a variety of sizes to meet the energy needs of the smallest homes to the largest facilities. You can rely on the environmentally friendly, clean, quiet stand-by power of our generators in emergency situations, day or night — and that means security and peace of mind for you.

Our generators are specially designed to ensure the lowest possible harmonic distortion, making them ideal for delivering quality power to hospitals, retail facilities, offices and many other locations.



ENGINE FEATURES

- ◆ Radiator Cooled
- ◆ Starter and alternator
- ◆ Oil pump and filter
- ◆ Air cleaner
- ◆ Electric isochronous governor

GENERATOR FEATURES

- ◆ Brushless single bearing
- ◆ Automatic voltage regulator:
 - Over-excitation protection
 - Under-frequency compensation
- ◆ Available voltages:
 - 120/240 1F 12 wire
 - 120/208 3F 12 wire
 - 120/240 3F 12 wire
 - 277/480 3F 12 wire
 - 346/600 3F 4 wire

DIGITAL CONTROLLER FEATURES

- ◆ Microprocessor based, digital read-out control system
- ◆ Unit-mounted
- ◆ Engine vitals monitored by LCD display:
 - Oil pressure
 - Running time
 - Engine temperature
 - Safety shutdowns:
 - HWT, OC, OS, OP, LWL
 - Battery voltage
 - Generator AC voltage
 - AC amperage
 - Frequency
- ◆ Continuous displays:
 - Oil pressure
 - Engine temperature
 - Battery voltage

ADDITIONAL FEATURES

- ◆ Oil drain extension
- ◆ Battery: 12 volt with rack
- ◆ Battery charger: 12 volt 6 amp
- ◆ Battery cables
- ◆ Vibration isolation pads
- ◆ Jacket water heater: -20°F
- ◆ Mainline circuit breaker
- ◆ Fuel solenoid valve
- ◆ Muffler
- ◆ UL2200 Listed

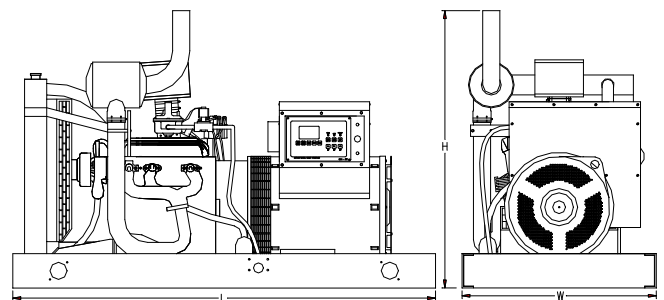
OPTIONAL FEATURES

- ◆ Weatherproof enclosure
- ◆ Sound attenuation
 - 1½" foam sound scoops
- ◆ Remote annunciator

25kW Gas Gen-Set

ENGINE TECHNICAL DATA	25 kW	
Model:	3.0L	
Type:	4 Cycle	
Aspiration:	Naturally	
Cylinder Arrangement:	4 Inline	
Displacement : cu. in. (lit)	181 (3.0)	
Bore x Stroke: in. (cm)	4.0 (10.2) x 3.6 (9.1)	
Compression Ratio:	9.3:1	
Rated RPM:	1800	
BMEP: psi (kPA)	105 (724)	
Maximum Power @ Rated RPM:hp (kW)	43 (32)	
INSTALLATION DATA OPU = Open Power Unit		
Dimensions & Weights	OPU	
Length: in. (cm)	70 (178)	
Width: in. (cm)	34 (86)	
Height : in. (cm)	54.5 (139)	
Weight: lb (kg)	1,400 (635)	
Liquid Capacity		
Total Oil System: Gal (lit)	1.3 (4.7)	
Engine Jacket Water: Gal (lit)	1.0 (3.78)	
System Coolant Capacity: Gal (lit)	3.33 (12.6)	
Electrical System		
Electric Volts DC	12V	
Cold Cranking Amps Under 0°F (-17.8°C)	600	
Exhaust System		
Gas Temp (Stack) °F (°C)	1,220 (660)	
Gas Volume @ Stack Temp. cfm (m ³ / min)	220 (6.2)	
Maximum allowable Back Pressure: in H ₂ O (kPa)	40.7 (10.1)	
Cooling System		
Ambient Capacity of Radiator: °F (°C)	122 (50)	
Water Pump Capacity: gpm (lit/min)	18.2 (69)	
Heat Rejection to Coolant: BTUM (kW)	1,445 (25.4)	
Air Requirements		
Aspiring cfm (m ³ /min)	81 (2.3)	
Air Flow Requirements for Rad. Cooled Unit: cfm (m ³ /min)	4,752 (134)	
Fuel Consumption: (NG-1000 BTU/ft ³ / LP-2500BTU/FT ³)		
At 100% of Power Rating ft ³ /hr (m ³ /hr)	NG 360 (10.2)	LPG 144 (4.1)
At 75% of Power Rating ft ³ /hr (m ³ /hr)	NG 260 (7.4)	LPG 104 (2.9)
At 50% of Power Rating ft ³ /hr (m ³ /hr)	NG 230 (6.5)	LPG 92 (2.6)
Fuel Supply Pressure: in H ₂ O (mm H ₂ O)	7-11 (178-279)	
Fuel Connection Size	3/4" NPT	
Derate:		
Altitude: 2% per 1,000 ft. (305m) above 3,000 ft. (914m)	Temperature: 2% per 20°F (11°C) above 85°F (29°C)	

DISTRIBUTED BY:



Materials and specifications subject to change without notice.

© MTU Detroit Diesel Power Generation.

13400 Outer Drive West, Detroit, MI 48239

Phone: 920-451-0845

www.mtudetroitdiesel.com