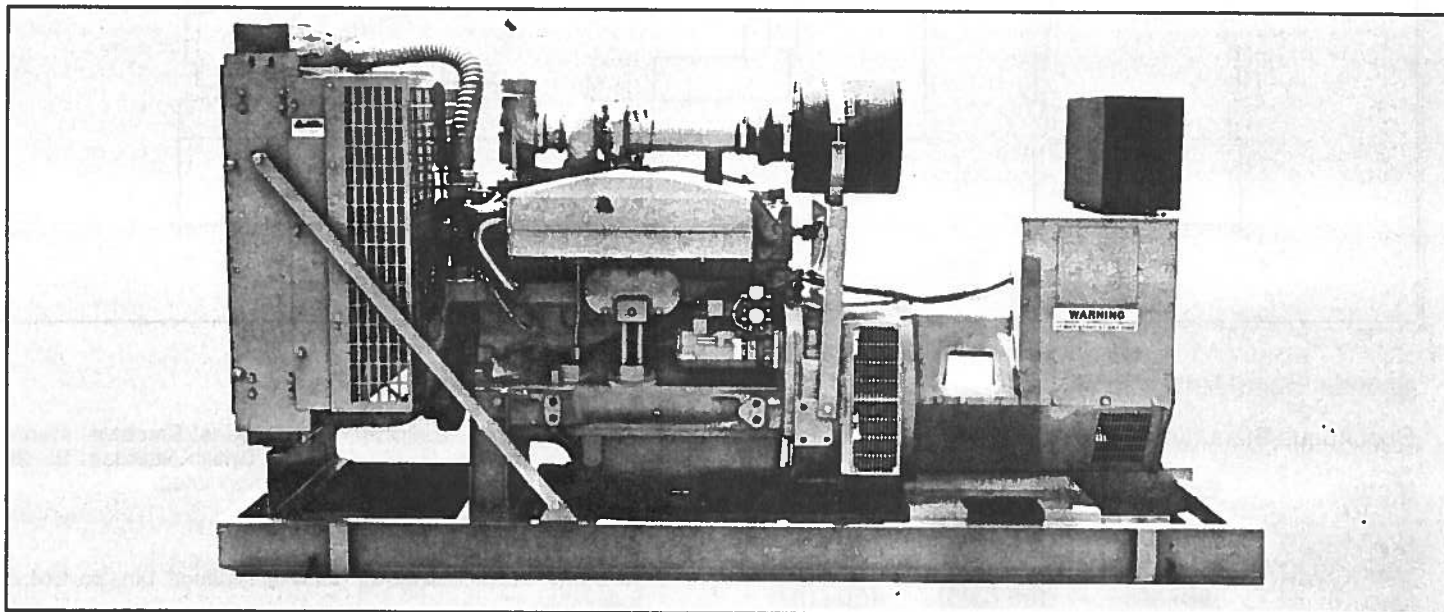


SOMMERS

125 - 180 KW

DMT JD Series Generator Sets



Specifications

Model: DMT125JD - DMT180JD
Engine: John Deere 6076T/6076A Diesel
211-300 HP @ 1800 RPM (175-250 HP @ 1500 RPM)

Generator: 12 Lead Brushless

<u>Rated Output*:</u>	<u>60 Hertz</u>	<u>50 Hertz</u>
Continuous Standby KW @ 0.8PF (KVA).....	125-180 (156-225)	110-150 (137-187)
Prime Power KW @ 0.8PF (KVA)	110-150 (137-187)	100-130 (125-162)
Governed RPM	1800	1500

***Other intermediate ratings are available.**

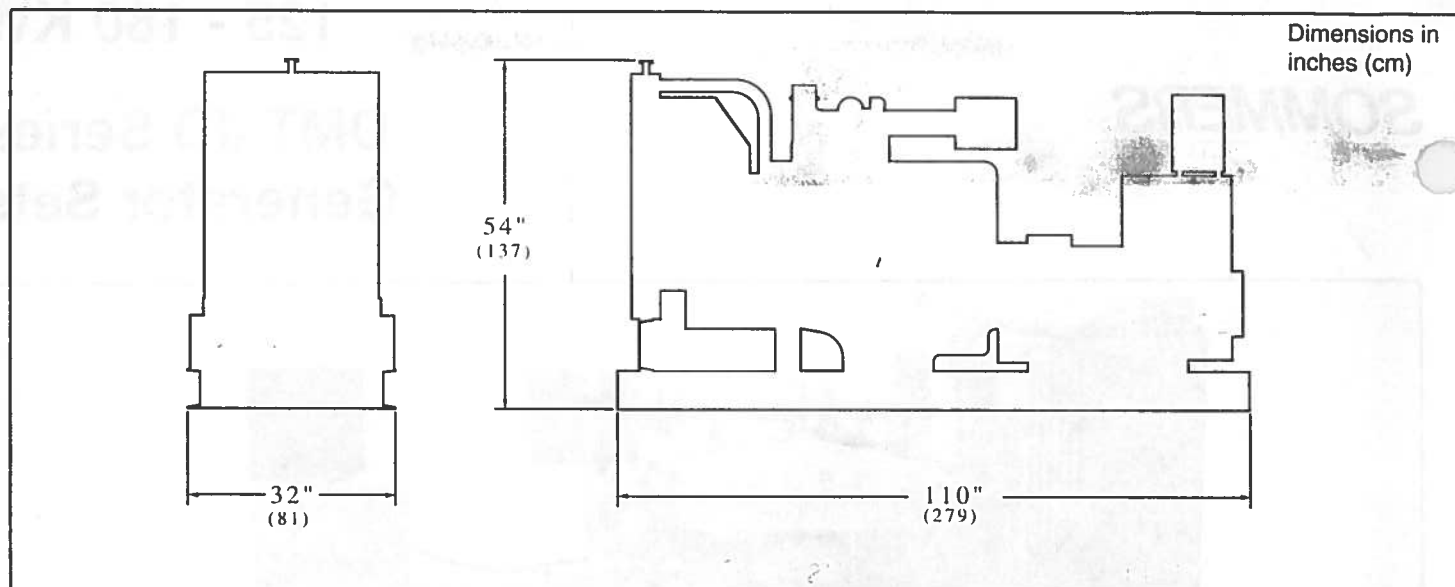
Operating Cycles.....4
Number of Cylinders.....6
Bore and Stroke.....4.56 x 4.75 in (116 x 121 mm)
Piston Displacement.....466 in³ (7.6 liters)

Standby Rating is applicable for supplying electrical power in the event of normal utility power failure. No overload capability is available for this rating. This rating may be used for continuous service for as long as the emergency may last. This rating conforms with the BS 649:1958 overload rating and DIN "B" 6270.

Prime Power Rating is applicable for supplying electric power in lieu of commercially purchased power. Intermittent overloads up to the Standby Rating are allowable. This rating may be used for continuous service in commercial applications and it conforms with BS 649:1958 and DIN "a" 6270 for generator set applications.

Standard Equipment:

Air Cleaner:	Dry Type, Heavy Duty
Electrical:	12 VDC Alternator 12 VDC Starter
Exhaust Manifold:	Dry
Filters:	Lubricating Oil and Fuel
Generator:	Brushless Revolving Field, 4 Pole with Solid State Voltage Regulator
Instruments:	Unit Mounted with AC Meters, Engine Instruments, Shutdown Indicators and Automatic Start/Stop
Radiator:	High Ambient with Blower Fan and Guard
Safety Controls:	Low Oil Pressure, High Coolant Temperature, Engine Overspeed and Overcrank
Subbase:	Full Length, All Welded Structural Steel Construction



Specific Rated Output

Continuous Standby KW (KVA) @ 0.8PF

Model	Engine	60Hz	50Hz
DMT125JD	6076T	125 (156)	110 (137)
DMT150JD	6076A	150 (187)	130 (162)
DMT180JD	6076A	180 (225)	150 (187)

Prime Power KW (KVA) @ 0.8PF

DMT125JD	6076T	110 (137)	100 (125)
DMT150JD	6076A	134 (167)	117 (146)
DMT180JD	6076A	150 (187)	130 (162)

Approx. Fuel Consumption @ Full Load U.S. Gal/Hr

DMT125JD	10.6	8.7
DMT150JD	11.7	9.9
DMT180JD	13.4	12.0

Approximate Dry Weight

DMT125JD	3400 lbs. (1542 kg)
DMT150JD	3700 lbs. (1678 kg)
DMT180JD	3900 lbs. (1769 kg)

Generator Design Features

Construction: Conforms with National Electrical Manufacturers Association NEMA MG1-22; British Standard BS 2613-1970; Canadian Standards Association listed.

Bearings: Single row ball, shielded.

Cooling: Cast aluminum alloy ventilating fan, part of drive assembly.

Drive Coupling: Positive alignment, flexible laminated steel disk with 400% safety factor.

Exciter: Brushless rotating half wave rectification exciter solid state components inboard of rotor bearing.

Main Frame: Steel construction with rear mounted connection box.

Rotor: One piece 4 pole laminations, amortisseur windings and coil supports, layer wound, rotor shrunk fit and keyed to shaft, dynamically balanced to withstand 25% overspeed. Epoxy coated for abrasion and humidity protection.

Stator: 10/12 lead or 4 bus bar, suitable for 3 or 4 wire Y connection. Epoxy coated for abrasion and humidity protection. (Optional vacuum pressure impregnation)

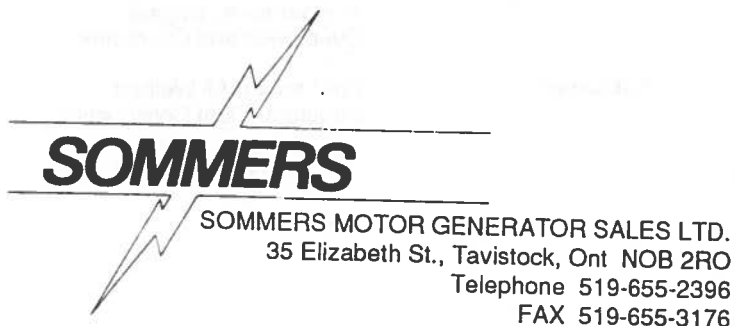
Temperature Rise: Rotor and stator Class F insulation meet NEMA Class F standards.

Voltage Regulator: Solid state with SCR control. Modular construction, RFI filter for suppression of conducted electromagnetic interference to levels meeting most commercial requirements and with under frequency protection. Protected against high humidity conditions by hermetically sealed power control diodes. Voltage regulation is within 1% no load to full load.

* Voltages Available:

	3 Wire Y	4 Wire Y
60 Hz	208 to 240	120/208 to 139/240
	380 to 480	220/380 to 277/480
50 Hz	190 to 208	110/190 to 120/208
	380 to 416	220/380 to 240/416

* For other voltages, consult factory.



CARBON Building GEN

FUEL OIL DISTRIBUTOR INSPECTIONS APPLIANCES - COMPREHENSIVE

REPORT NUMBER:

A-08354

OWNER / OPERATOR: ONTARIO CLEAN WATER AGENCY

LOCATION: 71155 BLUEWATER HWY, GRAND BEND TELEPHONE NO. 519-238-8466

OWNER'S ADDRESS (If different from above): _____

Type of Appliance	1 st . APPLIANCE	2 nd . APPLIANCE
Manufacturer	GENERATOR	
Model	STAMFORD	
Date of Manufacture or Age in Years	125-JD-3	
Size (BTU/Hr)	1993	
Serial No.	125 KW	
	D930505512	
1. Is the appliance approved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Is the appliance installed in accordance with the fuel oil code?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Is the appliance being used in accordance with its approval?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. Is the appliance venting installed in accordance with the fuel oil code?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. Is the venting system free of defects, debris or corrosion	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Is the vent sized properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
7. Is proper combustion and ventilation air openings installed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
8. Is the installation free of indications of heat exchanger cracks, defects in the refractory, pot and/or heat shields?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
9. Are all limits and safety controls properly installed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
10. Is the appliance installed with appropriate clearances from combustibles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
11. Are the results of combustion analysis acceptable?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
12. If required, is there a proper chimney cleanout?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13. Is the chimney properly lined?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14. Is the vent liner fitted with proper flashing, cap and base T?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15. If there is a sidewall vent attached to the appliance is it installed according to code and the manufacturer's instructions?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
NOTES: (any "No" answers must be explained in this section and the affected equipment repaired, replaced or tagged).		
COMMENTS:		

Technician's Name (please print clearly): DENNIS SCHMIDT

Telephone: 519-319-9612

Technician's Signature: [Signature]

Certificate No.: 0707776 OBT-1 Date: JAN-19-

2018

