

DG80 GAS GENERATOR SETS

Electric Power



Lube System	
Sump refill with filter, L (gal)	8.3 (2.2)
Maximum oil temperature, °C (°F)	122 (250)
Maximum oil capacity, L (gal) (with cooling package)	12.1 (3.19)
Minimum oil capacity, L (gal) (with cooling package)	9.7 (2.6)
Emissions (Meets EPA Stationary Emergency Limits)	
NOx + HC, g/kW-hr	13.4
CO, g/kW-hr	519

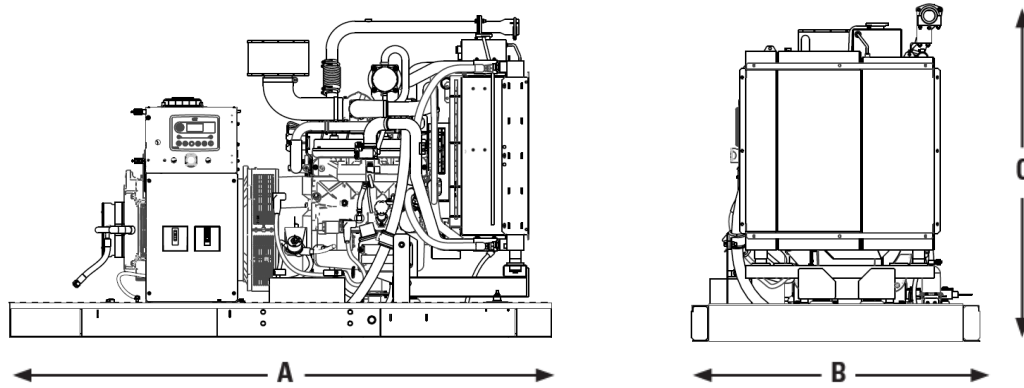
ALTERNATOR DATA

DG80						
Alternator	60 Hz 3-Phase					60 Hz 1-Phase
Voltages	480/277	240/120	240/139	208/120	600/346	240/120
Motor starting capability @ 30% Voltage Dip, skVA	143	182	182	128	328	229
Current, Amps - Natural Gas / Propane	120/92	241/184	241/184	278/212	96/74	333/254
Temperature rise ² , °C	105	105	105	105	105	105
Frame size	M2236L4	M2236L4	M2236L4	M2236L4	M2236L4	M2238L4
Excitation	PMG	PMG	PMG	PMG	PMG	SE

Motor starting capability is based on the assumption of 0.6 pf.

Temperature rise is based on the rating type and the respective site conditions.

WEIGHTS & DIMENSIONS



Length "A" mm (in)	Width "B" mm (in)	Height "C" mm (in)	Dry Weight Kg (lb)
2365 (93)	1193 (47)	1400 (55)	1096 (2416)

Note: General configuration not to be used for installation. See general dimension drawings for detail.

APPLICABLE CODES AND STANDARDS:

CSA C22.2 No 100-04, UL142, UL489, UL869, cUL/UL2200, NFPA 37, NFPA 70, NFPA 99, NFPA 110, IBC, IEC60034-1, ISO 3046, ISO 8528, NEMA MG 1-33.

EMERGENCY STANDBY POWER (ESP): Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby rated kW. Typical operation is 50 hours per year, with maximum expected usage of 200 hours per year.

Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO 3046 standard conditions.

1 CFH = 1000 BTU/HR

Fuel Rates are based on heat values of 962 BTU/SCF for Natural Gas and 2472 BTU/SFC for Propane Vapor @77°F (25°C) and 2152 ft (656 m) above sea level.

DEFINITIONS AND CONDITIONS

¹ For ambient and altitude capabilities, consult your Cat dealer.

Air flow restriction (system) is added to the existing restriction from the factory.

² Generator temperature rise is based on 40°C (104°F) ambient per NEMA MG1-32.

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