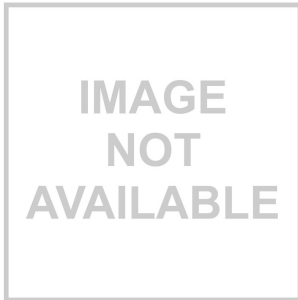


G3406

170 ekW/ 212 kVA/ 60 Hz/ 1800 rpm/ 208-600 V/ 0.8 Power Factor

Rating Type: CONTINUOUS

Fuel Strategy: CATALYST SETTING



G3406
170 ekW/ 212 kVA/ 60 Hz/ 1800 rpm/ 208-600 V/
0.8 Power Factor

Image shown may not reflect actual configuration

	Metric	English
Generator Set Specifications		
Maximum Rating @ 0.80 pf	212 kVA	170 ekW
Frequency	60 Hz	
Engine Speed (rpm)	1800 RPM	
Fuel	NATURAL GAS	
Emission Standards	Non-certified Emission Standards	
Performance Number	DM9538-07	
Altitude Capability at 25°C (77°F) ambient, above sea level	1500 m	4921 ft

Engine Specifications		
Engine Model	G3406	
Compression Ratio	9.40	
Aspiration	TA	
Governor Type	CDIS	
Bore	N/A	N/A
Displacement	15 L	894 in ³
Stroke	N/A	N/A
Aftercooler Temperature	54 °C	130 °F
Jacket Water Outlet	99 °C	210 °F

Package Fuel Consumption (ISO 3046/1)		
100% Load with Fan	12.71 MJ/ekw-hr	12049 Btu/ekw-hr
75% Load with Fan	14.32 MJ/ekw-hr	13575 Btu/ekw-hr
50% Load with Fan	17.72 MJ/ekw-hr	16806 Btu/ekw-hr

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Exhaust System		
Combustion Air Flow (0° C, 101.3 kPa) / (77° F, 14.7 psia)	2.89 Nm ³ /kW-hr	383 ft ³ /min
Exhaust temperature - engine outlet	540.00 °C	1004 °F
Exhaust gas flow (@engine outlet temp, 14.5psia)	3.20 Nm ³ /kW-hr	1168 ft ³ /min

Heat Rejection		
Jacket Water Circuit (JW + OC + 1AC)	223 kW	12705 Btu/min
Heat rejection to jacket water (JW)	192 kW	10919 Btu/min
Heat rejection to atmosphere (Includes Generator)	35 kW	1983 Btu/min
Heat rejection to exhaust (LHV to 120°C / 248°F)	112 kW	6348 Btu/min

DEFINITIONS AND CONDITIONS

1. For ambient and altitude capabilities consult your Cat dealer.
2. Engine rating obtained and presented in accordance with ISO 3046/1. (Standard reference conditions of 77°F, 29.60 in Hg barometric pressure.) No overload permitted at rating shown.
3. Ratings are based on a natural gas fuel with a methane number with a LHV of 905 Btu/scf.
4. Gaseous emissions data measurements are consistent with those described in EPA 40 CFR PART 60 SUBPART JJJJ and ISO 8178 for measuring VOC, CO, and NOx.
5. Tolerance: Exhaust stack temperature +/- 8%, Inlet airflow rate +/- 5%, Exhaust flow +/- 6% Fuel rate +/- 5%, Heat rejection +/- 5%, Exhaust heat rejection +/- 10%

APPLICABLE CODES AND STANDARDS:

AS1359, CSA C22.2 No100-04, UL142,UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22,NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.