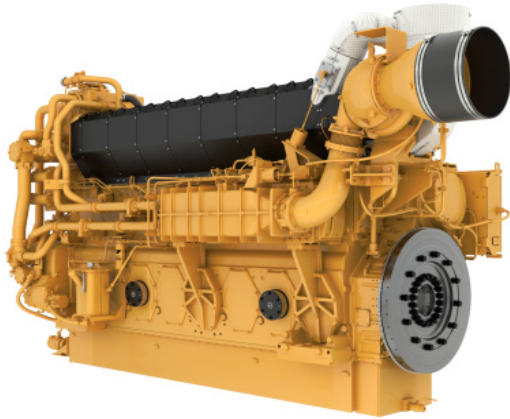


G3608 with ADEM™4 GAS ENGINE

1864 kW (2500 bhp) & 2051 kW (2750 bhp)

0.3 and 0.5 g/bhp-hr NOx (NTE)



Shown with optional equipment.

SPECIFICATIONS

GI glc6 2 Qrpic Awa c		
Qcpg Npcdgv		LQD
mpc	1.kk&// 6gl	
Qrpic	1..kk&// 6gl	
Bg n ackclr	/47 4&/. 13asgl	
ng rgml	Rsp maf pecb drcpamm cb	
Bgegr Cleglc I eckclr		
(PWFSOPESPUFUDUJPO&MFDUSPOJDE&.		5.
BNCVTUJPO-2MJJTJPFBSO		
BPMJOH4ZUFNBQBDJUZ		
5PUBM-HBM		
8-HBM		
4-HBM		
-VC0JM4ZUFNSFGJMM4HBM		
0JBOHFOUFSWB1ST		
3PUBUJPGSPICM&EFMOE\$VOUFSMPDLXTF		
M&FM5FFUI		

FEATURES AND BENEFITS

Engine Design

BC 2& 2 cleglc I eckclr w rckglrcep rc nccbamlrpm
 kmlgrmpgle lbnpmrcargmlufg ck glr ggleckg gml
 Ugbc rdsc rm cp laglrfc glbs rpwdmp nn ga rgmld cvg g grw
 Npmtclpc g g grw lbbsp g grwugrfrfc muc rmlgle lbnmcp rgle
 am r

Emissions

ccr S QCN Qn piGelgrcbQr rgml pwLONQckg gml dmpgrf
 rfc cmd lmvgb rgmla r w r

Advanced Digital Engine Management

BC 2& 2 cleglc I eckclr w rckglrcep rc nccbamlrpm
 gp-dsc p rgmamlrpm lbgelgrgml-bcrml rgmlamlrpm glrm amkn-crc
 cleglc I eckclr w rck Rfc BC 2& 2 f lgknpmtcb8s cp
 glrcpd ac bg n w w rck fsrbmulamlrpm lb w rckbg elm rga

Full Range of Attachments

pect pgrwmd d armpw gl r cbcleglc rr afkclr pbsac n ai egle

Testing

Ctcpwleglgs m de rclml spmncpdeghepdmk lac

DIMENSIONS

clerf	5070.3 mm	199.62 in
Ugbrf	2188.8 mm	86.17 in
Fcgefr	2951 mm	116.18 in
Ucgefr&ucr	21,092 kg	46,500lb

Note: Do not use for installation design. See general dimension drawings for detail. Weights and dimensions are approximations.

TECHNICAL DATA

	0	EM6493-02	EM6494-02	EM6491-02	EM6492-02
Rating		0.3 g NOx NTE	0.5 g NOx NTE	0.3 g NOx NTE	0.5 g NOx NTE
Engine Power		1864 bkW (2500 bhp)	1864 bkW (2500 bhp)	2051 bkW (2750 bhp)	2051 bkW (2750 bhp)
Engine Speed		1000 rpm	1000 rpm	1000 rpm	1000 rpm
Max Altitude @ Rated Torque and 38° C (100°F)		2380 m (7808 ft)	2345 m (7694 ft)	1540 m (5052 ft)	1460 m (4790 ft)
Aftercooler Temperature					
Stage 1 (JW)		88 °C (190 °F)	88 °C (190 °F)	88 °C (190 °F)	88 °C (190 °F)
Stage 2 (SCAC)		54 °C (130 °F)	54 °C (130 °F)	54 °C (130 °F)	54 °C (130 °F)
Emissions (NTE)*		g/bkW-hr (g/bhp-hr)	g/bkW-hr (g/bhp-hr)	g/bkW-hr (g/bhp-hr)	g/bkW-hr (g/bhp-hr)
NOx		0.4 (0.3)	0.67 (0.5)	0.4 (0.3)	0.67 (0.5)
CO		2.88 (2.15)	2.26 (1.68)	2.88 (2.15)	2.26 (1.68)
CO ₂		584 (435)	587 (438)	571 (426)	581 (433)
VOC**		0.23 (0.17)	0.20 (0.15)	0.2 (0.17)	0.19 (0.15)
Fuel Consumption @ 100% load ***		9.46 MJ/bkW-hr (6687 Btu/bhp-hr)	9.33 MJ/bkW-hr (6595 Btu/bhp-hr)	9.35 MJ/bkW-hr (6608 Btu/bhp-hr)	9.21 MJ/bkW-hr (6510 Btu/bhp-hr)
Heat Balance @ 100% Load		bkW (Btu/min)	bkW (Btu/min)	bkW (Btu/min)	bkW (Btu/min)
Heat Rejection to Jacket Water		489 (27817)	466 (26513)	528 (30047)	507 (28821)
Heat Rejection to Oil Cooler		221 (12557)	223 (12667)	218 (12411)	220 (12531)
Heat Rejection to Aftercooler					
Stage 1 (JW)		370 (21027)	331 (18811)	461 (26193)	416 (23679)
Stage 2 (SCAC)		156 (8855)	147 (8352)	183 (10412)	174 (9893)
Heat Rejection to Exhaust LHV to 25°C (77°F)		1667 (94817)	1667 (94828)	1763 (100250)	1755 (99779)
Heat Rejection to Atmosphere		199 (11344)	200 (11347)	200 (11383)	200 (11353)
Exhaust System					
Exhaust Stack Temperature		435 °C (815 °F)	446 °C (835 °F)	420 °C (788 °F)	429 °C (804 °F)
Gas Pressure		400-485 kPag (58.0-70.3 psig)	400-485 kPag (58.0-70.3 psig)	485-552 kPag (70.3-80.1 psig)	485-552 kPag (70.3-80.1 psig)

* at 100% load and speed, listed as not to exceed

** Volatile organic compounds as defined in U.S. EPA 40 CFR 60, subpart JJJJ

*** ISO 3046/1

STANDARD EQUIPMENT

Air Inlet System

- Air cleaner - standard duty
- Inlet air adapter

Cooling System

- Compressor Oil cooler connections
- Jacket Water pump
- Aftercooler/oil cooler pump
- Jacket Water thermostats and housing
- Two-stage aftercooler
- Jacket Water heater connections
- Standard ANSI connections

Starting System

- Single turbine starting motors

Exhaust System

- Dry exhaust manifolds
- Single vertical outlet adapter
- Dual layer heat shields
 - Layer 1: stainless steel foil
 - Layer 2: carbon steel

Fuel System

- Gas admission valves - electronically controlled fuel supply pressure

Instrumentation

- 8 inch HMI Engine Control Panel
- Interconnect Harness

Lubrication System

- Crankcase breather - top mounted
- Oil pan drain valve - front and rear

OPTIONAL EQUIPMENT

Air Inlet System

- Heavy-duty air cleaner with precleaners

Charging Alternator

- 35 Amp & 65 Amp charging alternators - CSA approved

Exhaust System

- Flexible bellows adapters

Fuel System

- Fuel filter
- Gas pressure regulator
- Flexible connection

Lubrication System

- Air or electric motor-driven prelube
- Duplex oil filter
- Oil level regulator

Rating Definitions and Conditions

Engine performance is obtained in accordance with SAE J1995, ISO3046/1, BS5514/1, and DIN6271/1 standards.

Transient response data is acquired from an engine/generator combination at normal operating temperature and in accordance with ISO3046/1 standard ambient conditions. Also in accordance with SAE J1995, BS5514/1, and DIN6271/1 standard reference conditions.

Conditions: Power for gas engines is based on fuel having an LHV of 33.74 kJ/L (905 Btu/cu ft) at 101 kPa (29.91 in Hg) and 15°C (59°F). Fuel rate is based on a cubic meter at 100 kPa (29.61 in Hg) and 15.6°C (60.1°F). Air flow is based on a cubic foot at 100 kPa (29.61 in Hg) and 25°C (77°F). Exhaust flow is based on a cubic foot at 100 kPa (29.61 in Hg) and stack temperature.