


350 KVA GENSET

TECHNICAL DATA

ENGINE	ALTERNATOR	GENERATOR MODEL
CUMMINS 6ZTAA13-G3	STAMFOR Desing CEG 314D	CEG63-C385S

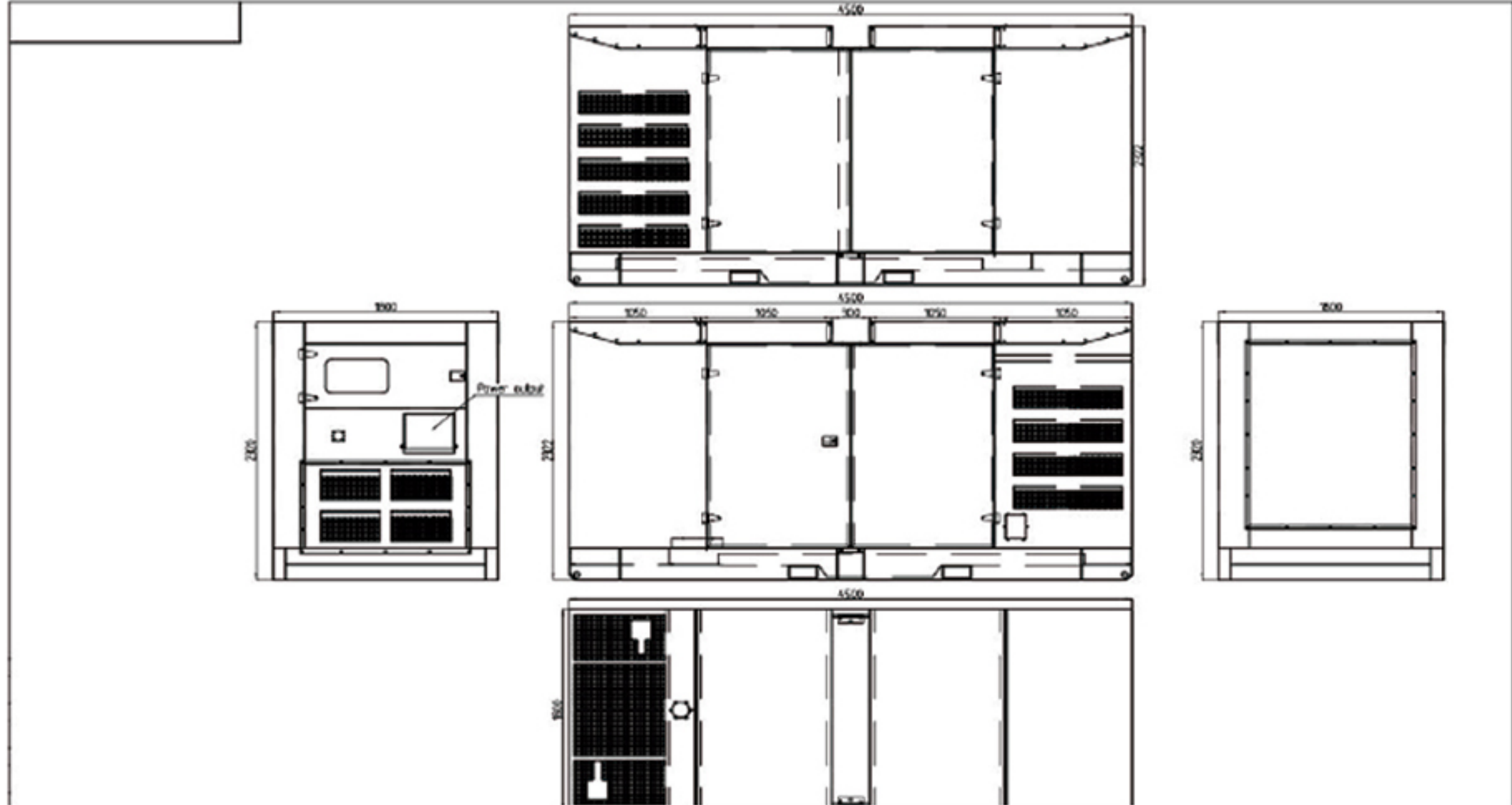
60 HZ/1800RPM	1 - PHASE FACTOR COS Φ = 1 3 - PHASE FACTOR COS Φ = 0.8	EMISSIONS N/A
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RATINGS	Prime Power		Standby Power		Rated Current	Fuel Consumption @100% Load
	(PRP)		(ESP)		Amps	
Voltage (V)	kWe	kWA	kWe	kVA	(A)	g/kW.h
208	280	350	308	385	971.5	200.0



Key Features:

- High efficient water cooled diesel engine.
- Single bearing with brushless alternators (Class H, with AVR).
- Radiator with pressure cap and drain point.
- Fully guarded engine-driven fan.
- Fully welded steel skid base with lifting holes and fork lift legs.
- Integral fuel tank with filler cap and gauge (≤650kVA).
- Heavy duty rubber anti-vibration mountings.
- 12V or 24V maintenance free starter battery and connecting cables.
- Separate engine-driven battery charging alternator.
- Spin on oil and fuel filters and dry type air filter element.
- Industrial silencer (15dBA reduction) supplied loose.
- Auto start control system with LCD show.
- Battery charger provided. - Main line 3P circuit breaker.
- Rigorous factory test wiring with IEC standard.
- Operation & Maintenance manual & Wiring diagrams.
- Wide range of optional extra features available.



Overall Dimension & Weight		
	Open	Silent
Length (L)-mm:		3810
Width (W)-mm:		1430
Height (H)-mm:		2130
Dry Weight-kg:		3380

Ratings: All three phase generator sets are rated at 0.8 power factor. All single-phase generator sets are rated at 1.0 power factor.

Prime Power: Available continuously at variable load in lieu of commercially purchased power for an unlimited number of hours per year accordance with ISO8528-1, and an overload of 10% permitted for one hour in every twelve hours of operation in accordance with ISO 3046-1.

Standby Power: Emergency Standby Power in variable load applications in accordance with ISO8528-1 in the event of a utility power failure. No overload available for this service as relevant alternators are peak continuous rated at 27 C.

COMCAST ENERGY GROUP reserves the right to change the design or specifications without notice and without any obligation or liability.



Basic Technical Data

Engine Model		6ZTAA13-G3
Compression Ratio:		17:1
Bore:	mm	130mm
Stroke:	mm	163mm
Governor Regulation:		≤3%
Aspiration:		Turbocharged & Charge Air Cooled
Displacement:	L	13.0 L
No. of Cylinders:		6
Fuel System:		BYC PD/GAC
Prime Power	kw	340
Standby Power	kw	380

Performance Data

Governed Engine Speed	r/min	1800
100% prime power	g/kW·h	200
75% prime power	g/kW·h	195
50% prime power	g/kW·h	198
25% prime power	g/kW·h	232

General Engine Data

Low Idle Speed:	r/min	800 -1000
Maximum altitude for continuous operation	m	4500
Approximate Engine Weight - Dry	kg	1200
Approximate Engine Weight - Wet	kg	1265

Engie Mounting

Maximum static mounting surface bending moment		
Rear face of block:	N.m	1356
Maximum static bending moment of FAN: ;	N.m	21
Maximum allowable weight on Engine Support:	kg	1500

Exhaust System

Max. back pressure imposed by complete exhaust system:	kPa	13
Maximum allowable static bending moment at exhaust outlet flange:	N.m	27
Exhaust pipe size normally acceptable:	mm	130

Air Intake System

Whole air intake pipe size (recommendatory)	mm	200
Charge air cooler pipe size normally acceptable	mm	110
Maximum temperature rise between ambient air and engine air inlet:	°C	11.1
Maximum Temp. Rise Between Engine Air Intake and Intake Manifold	°C	30
Maximum Intake Manifold Temperature (unable to result in power loss at sea level):	°C	60
Maximum intake air restriction (heavy duty air cleaner):		
clean filter	kPa	3.2
dirty filter:	kPa	6.2
Maximum allowable pressure drop across charge air cooler and OEM CAC		
pipng (CACDP):	kPa	13

Lubrication System

Oil pressure @ idle - minimum:	kPa	82.7
Typical oil pressure range - warm engine:	kPa	207 - 276
Total system capacity (standard pan)	L	45.42
Maximum lube oil flow to all accessories:	L/min	7.57

Cooling System

Coolant capacity-engine only	L	23.1
Engine coolant circuit thermostat opening temperature:	°C	82
Engine coolant circuit thermostat fully open temperature:	°C	94
Maximum coolant temperature - engine out:	°C	102
Minimum operating block coolant temperature:	°C	71
Maximum coolant temperature for engine protection controls:	°C	102

Electrical System

System voltage: ;	V	24
Minimum battery capacity-cold soak at -18 C (0 F) or above		
Engine only cold cranking amperes: ;	CCA	900
Engine only reserve capacity:	m	270

Alternator

60Hz/1800R.P.M

Units

Manufacture / Brand		DACPOWER
Model		CEG 314D
Output.....Cont/40°C	KVA/KW	360/288
.....Standby/27°C	KVA/KW	396/317
Coupling / No. of Bearings		Direct / Single Bearing
Phase / Poles		3-Phase / 4-Pole
Power Factor		Cos Φ = 0.8
AVR Regulation		Yes
Voltage Regulation		± 0,5 %
Insulation Class		H
Drip Proof		IP23
Excitation		Brushless self-excitation
Altitude	m	≤1000
Overspeed	min -1	2250

Other Part

Controller		Deepsea DSE6120
Circuit Breaker		CHNT

For More Information
Please visit our website www.comcast-sa.com or contact your local sales representative.

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