

11 KVA GENSET

Technical Data

Engine	Alternator	Generator Model
FAWDE 4DW81-28D-YFD10W	STAMFORD Desing CEG164ES	CEG-FA12S

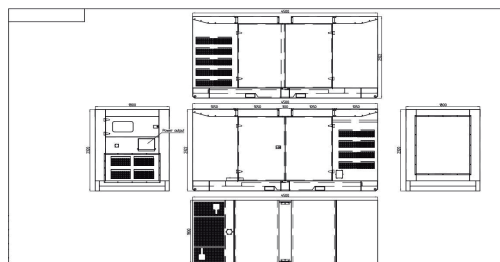
60 Hz/1800rpm	1 - Phase Factor Cos $\Phi = 1$ 3 - Phase Factor Cos $\Phi = 0.8$	Emissions N/A
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RATINGS	Prime Power (PRP)		Standby Power (ESP)		Rated Current	Fuel Consumption @100% Load
	kWe	kVA	kWe	kVA	Amps (A)	g/kW·h
208	9	11	10	12	31	232.0



Key Features:

- Silent Diesel Genset, Based on **FAWDE** engine, and **STAMFORD** design alternator.
- Support both **3-phase 208V** and **1- phase 120V** (can set 3 phase or 1 phase by customer) at 60HZ 1800RPM.
- **STAMFORD** design brushless alternator 12 wire 100% copper & 100% output.
- High Quality Canopy made of **Galvanized** painted steel and 304 Stainless hinges, door locks, screws, emergency stop cover.
- Built-in **YUYE ATS** (Automatic Transfer System).
- **DEEPEA** 6120 Controller, SWG accumulator, MEBAY battery charger.
- Support Ambient temperature **50 degrees Celsius**. 8 hours base fuel tank, non-return fuel valve, water drain valve, fuel drain valve. Anti-Vibration mounting.
- Emergency shutdown for all failures (low oil, high water temp, over load).
- Warranty: 1 year from installation or **1200 hours** for motor and spare parts, 2 years -or 1200 hours for alternator whichever comes first.



Overall Dimension & Weight

	Open	Silent
Length (L)-mm:		1850
Width (W)-mm:		850
Height (H)-mm:		1150
Dry Weight-kg:		800

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.

STAMFORD
power generation



Basic technical data		
Engine Model		4DW81-28D
No. of cylinders		4
Cylinder arrangement		In-line
		4 stroke
Aspiration		Natural
Cooling system		Water-cooled
Bore	mm	85 mm
Stroke	mm	95 mm
Compression ratio		17:1
Displacement	L	2.16 L
Dry engine weight	kg	220 kg
Dimension (L*W*H)	mm	700*555*680
The Flywheel shell interface		SAE4-7.5"
Performance Data		
Governed Engine Speed	r/min	1800
Continuous Power without Fans	kW	20
Standby Power	kW	220
Adaptive power station (kw)	kW	16
Steady state speed regulation rate	%	5 / Mechanical 0-3 / Electronical
Emission Standards		CN Stage II
Average effective pressure	mPa	0.62
Lubrication system		
Lubricating oil capacity	L	8
Lubricating oil consumption	L/h	≤0.04
Fuel system		
Fuel consumption PRP	kg/h	4.64
Fuel consumption Rate	g/kW·h	
25% prime power	g/kW·h	278
50% prime power	g/kW·h	245
75% prime power	g/kW·h	232
100% prime power	g/kW·h	232
100% standby power	g/kW·h	235
Air intake system		
Air consumption	m ³ /min	1.8
Maximum allowed intake pressure	kPa	6.3
Exhaust gas discharge	m ³ /min	4.5
Exhaust temperature (exhaust gas after turbine)	°C	500
Exhaust heat	kw	17.4
Maximum allowed back pressure	kPa	6.7
Heat balance		
Engine heat output	kw	3.3
Heat removal of coolant	kw	13.6
Heat dissipation of intercooler	kw	0
Cooling system		
Fan Speed Ratio		1.5
Pump Flow head	L/s	1.2
Coolant capacity-engine	L	6
Fan diameter	mm	400
Fan speed	R/min	2700
Fan flow	m ³ /s(Pa)	1.08/410
Fan power consumption	kW	1.26
Coolant capacity-Radiator	L	8
Thermostat on / off temperature	°C	
Noted:Pump Flow / Speed head		70/2600-6.2
Electrical system		
Auxiliary voltage (V)		12 V
Alternator (A)		50
Starter Motor (kw)		3.5
Start preheater (kw)		0.43
Number of teeth of flywheel ring gear		109
Alternator		
Units		
Manufacture / Brand		COMCAST ENERGY GROUP
Model		CEG-164ES
Output.....Cont/40 °C	KVA/KW	9/10
.....Standby/27 °C	KVA/KW	11/12
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		DeepSeaDSE6120
Circuit Breaker		CHNT

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

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