



Diesel Generator Set Data

Manufacturer:	Jiangsu Starlight Electricity Equipments Co.,Ltd
Set Type:	XG-800GF
Standby Power:	750KW/937.5KVA
Rated Current:	1296 (A)
Rated Frequency:	50 (Hz)
Start-up time:	5~6 (s)
Power Factor:	0.8 (Lag)
Rated Voltage:	380/120 (V)

Standard Features

- ✓ Engine:DCEC Cummins KTA38-G2A
- ✓ Radiator 40℃ max
- ✓ Fans are driven by belt, with safety guard
- ✓ 24V charge alternator
- ✓ Dry type air filter, fuel filter, oil filter
- ✓ Alternator: single bearing alternator
- ✓ IP23, insulation class H/H
- ✓ Main line circuit breaker
- ✓ Standard control panel
- ✓ Absorber
- ✓ muffler
- ✓ User manual





Diesel Engine Data

Manufacturer:	DCEC Cummins
Model:	KTA38-G2A
Max Standby Power:	1007KW/1370HP
Rated Speed:	1800 (r/min)
Cycle:	4 stroke
Cylinder Arrangement:	12 "V"
Displacement:	37.8L
Bore and Stroke:	159*159 (mm)
Compression Ratio:	14.5:1
Governor Type:	Electronic
Start battery voltage:	24V DC

Air Intake System

Air Intake System:	Turbo, Water/Air Cooling
Max Intake Restriction:	6.23kPa
Burning Capacity:	1369L/s
Air Flow:	36146L/s

Exhaust System

Exhaust Gas Flow:	3679L/s
Exhaust Temperature:	502℃
Max Back Pressure:	10kPa

Fuel System

Fuel System:	PT type fuel pump, EFC
100%(Prime Power) Load:	209g/kwh

Oil System

Total Oil Capacity:	135L
Oil Consumption:	≤4g/kwh
Engine Oil Tank Capacity:	114L
Oil Pressure at Rated RPM:	297-483kPa

Cooling System

Cooling Way:	Water-cooled
Total Coolant Capacity:	252L
Thermostat:	82-93℃
Max Water Temperature:	104℃



Alternator Data

Manufacturer:	STARLIGHT TFW2-750-2
Excitation Mode:	Brushless and self- exciting
Number of phase and Access Act:	3-phase 4-wire
Connecting Type:	“Y” type connecting
Alternator Capacity:	937.5KVA
Alternator Efficiency:	95%
Overload:	(PRP) 110% load can run 1h
Protection Level:	IP23
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	<50
THF:	<2%
Altitude:	≤1000m

Genset Electrical Performance

Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+25%
Sudden Voltage Warp (Sudden Increase):	≤-20%
Voltage Stable Time (100% Sudden Reduce):	≤6S
Voltage Stable Time (Sudden Increase):	≤6S
Frequency Regulation, Stead State:	≤5%
Frequency Waving:	≤1.5%
Sudden Frequency Warp (100% Sudden Reduce):	≤+12%
Sudden Frequency Warp (Sudden Increase):	≤-10%
Frequency Recovery Time(100%Sudden Reduce):	≤5S
Frequency Recovery Time(Sudden Increase):	≤5S



Standard Control Panel



Starlight Standard Control Panel uses micro processing technique integrating digital, intelligent and network techniques which can carry out functions including auto start/stop, data measure, alarming. The controller uses LCD display, optional Chinese and English display interface with operation easy and reliable. It can be widely used in all types of generator automatic control system for compact structure, advanced circuits, simple connections and high reliability

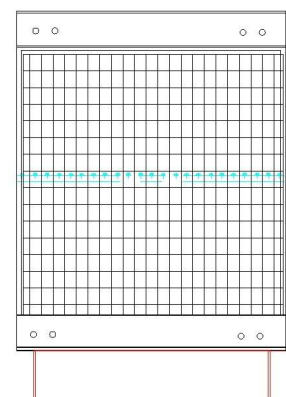
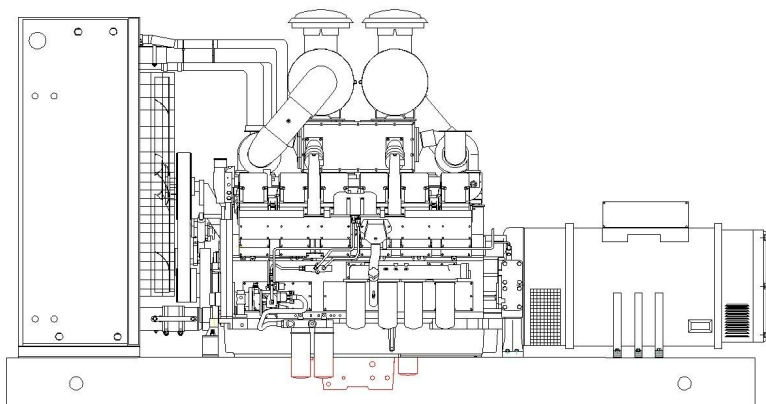
Open Type

Overall Size

4600(mm)*2060(mm)*2430(mm)

Weight

7600(kg)





Soundproof Type

Overall Size

7500(mm)*2600(mm)*2680(mm)

Weight

12500(kg)

