

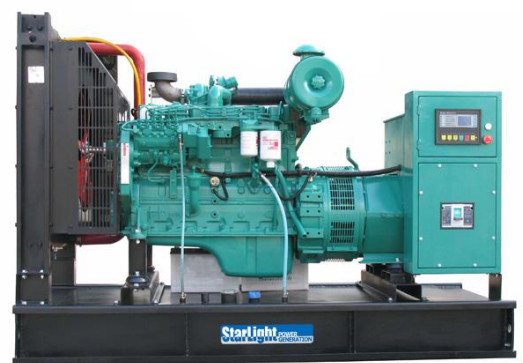


Diesel Generator Set Data

Manufacturer:	Jiangsu Starlight Electricity Equipments Co.,Ltd
Set Type:	XG-24GF
Standby Power:	27KW/33.75KVA
Prime Power:	24KW/30KVA
Rated Current:	43.2 (A)
Rated Frequency:	50 (Hz)
Start-up time:	5~6 (s)
Power Factor:	0.8 (Lag)
Rated Voltage:	400/230 (V)

Standard Features

- ✓ Engine:DCEC Cummins 4B3.9-G2
- ✓ 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
- ✓ IP22, insulation class H/H
- ✓ Main line circuit breaker
- ✓ Standard control panel
- ✓ Absorber
- ✓ muffle
- ✓ User manual





Diesel Engine Data

Manufacturer:	DCEC Cummins
Model:	4B3.9-G2
Standby Power:	27KW/36.7HP
Rated Speed:	1500 (r/min)
Cycle:	4 stroke
Cylinder Arrangement:	4 in line
Displacement:	3.9L
Bore and Stroke:	102*120 (mm)
Compression Ratio:	16.5:1
Governor Type:	RSV Mechanical(Std) / Electronic (Optional)
Start battery voltage:	24V DC

Air Intake System

Air Intake System:	Air natural cooled
Max Intake Restriction:	5kPa
Burning Capacity:	1.98m ³ /min
Air Flow:	136m ³ /min

Exhaust System

Exhaust Gas Flow:	4.27m ³ /min
Exhaust Temperature:	410℃
Max Back Pressure:	10kPa

Fuel System

Fuel System:	A model fuel pump
100%(Prime Power) Load:	228g/kwh

Oil System

Total Oil Capacity:	11L
Oil Consumption:	≤0.4g/kwh
Engine Oil Tank Capacity:	9.5L
Oil Pressure at Rated RPM:	345kPa

Cooling System

Cooling Way:	Water-cooled
Total Coolant Capacity:	21L
Thermostat:	82-95℃
Max Water Temperature:	104℃



Alternator Data

Manufacturer:	STARLIGHT
Excitation Mode:	time harmonic wave excitation
Number of phase and Access Act:	3-phase 4-wire
Connecting Type:	"Y" type connecting
Alternator Capacity:	30KVA
Alternator Efficiencies:	95%
Overload:	(PRP) 110% load can run 1h
Protection Level:	IP22-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

Soundproof Type

Overall Size

2230(mm)*1060(mm)*1680(mm)

Weight

1350(kg)

