



Diesel Generator Set Data

Manufacturer:	Jiangsu Starlight Generating Equipments Co.,Ltd
Set Type:	XG-132GF
Standby Output:	132KW/165KVA
Prime Output:	120KW/150KVA
Rated Current:	216 (A)
Rated Frequency:	50 (Hz)
Start-up time:	5~6 (s)
Power Factor:	0.8 (Lag)
Rated Voltage:	400/230 (V)

Standard Features

- ✓ Engine: PERKINS 1106A-70TAG2
- ✓ Radiator 40°C 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
- ✓ muffler
- ✓ User manual



**Diesel Engine Data**

Manufacturer:	PERKINS
Model:	1106A-70TAG2
Standby/Prime Power:	158.4KW/144KW
Rated Speed:	1500 (r/min)
Cycle:	4 stroke
Cylinder Arrangement:	6 in line
Displacement:	6.6L
Bore and Stroke:	105*127 (mm)
Compression Ratio:	17:1
Governor Type:	Electronic
Start battery voltage:	24V DC

Air Intake System

Air Intake System:	Turbo
Max Intake Restriction:	6.25kPa
Burning Capacity:	8.9m ³ /min
Air Flow:	140 m ³ /min

Exhaust System

Exhaust Gas Flow:	23.1 m ³ /min
Exhaust Temperature:	430℃
Max Back Pressure:	12kpa

Fuel System

Fuel System:	Direct injection
100%(Prime Power) Load:	201g/kwh

Oil System

Total Oil Capacity:	16L
Oil Consumption:	≤0. 4g/kWh
Oil Pressure at Rated RPM:	276-414kPa

Cooling System

Cooling Way:	Water-cooled
Total Coolant Capacity:	13L
Thermostat:	85-95℃
Max Water Temperature:	115℃

**Alternator Data**

Manufacturer:	STAMFORD UCI274F
Excitation Mode:	Brushless and self- exciting
Number of phase and Access Act:	3-phase 4-wire
Connecting Type:	“Y” type connecting
Alternator Capacity:	150KVA
Alternator Efficiency:	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



Soundproof Type

Overall Size

3000(mm)*1250(mm)*1800(mm)

Weight

1900(kg)

Auto Module Control Panel



Auto Module Control Panel is the configuration for nobody on duty controlling generators. This kind of panel adopts auto module control system, with large LCD display to show the menu. Features: 6110 can receive remote output signal from ATS and realize auto start and stop of generators. 6310 can realize all functions of 6110, add RS232 interface which can communicate with PC to realize remote operation. 6410 Auto Mains Failure controller, can realize all functions of 6310, furthermore can detect ATS and control directly.