



### 30kva Weichai silent diesel generator set

Gensets are compliant with ISO 9001 and CE standard, which include the following directives:  
EN ISO 12100:2010, EN ISO 8528-13:2016, EN 60204-1:2006+A1:2009+AC:2010, EN 55012:2007+A1:2009

#### GENERATOR GENERAL DETAIL

Model	GFS-W30
Type	Silent type
Prime power	24kw/30kva
Standby power	26.4w/33kva
AC output	Three phase 400V/230V 50Hz
Power factor(cosΦ )	0.8
Base frame fuel tank	70L
Dimension(L× W× H)(mm)	1850*950*1100
Net weight(kg)	800KG

#### ENGINE POWER TECHNICAL DATA

Make		
Picture		
Model	WP2.3D33E200	
Base Output Power	30kw	
Engine type	4 Cylinders L type	
Rated Speed	1500 rpm	
Bore× stroke	89 x 92 mm	
Displacement	2.3 L	
Fuel Consumption 100% loading	7.9 L/hr	
Fuel Consumption 75% loading	5.7 L/hr	
Aspiration Type	Natural Aspiration	
Rotation from Flywheel End	Anti-clockwise	
Combustion System	Direct injection	
Cooling System	Liquid Cooled	
Governor type	Mechanic	

## ALTERNATOR TECHNICAL DATA

STAMFORD BRUSHLESS TECHNOLOGY

184GS

Picture



Rated power

24kw/30kva

Power factor(cosΦ )

0.8

Design

Brushless single bearing, revolving field

Stator

2/3 pitch

Rotor

Single bearing, flexible disc

Insulation system

Class H

Standard temperature rise

125–163 °C standby

Exciter type

Self excited

Phase rotation

Three phase

Alternator cooling

Direct drive centrifugal blower fan

Voltage regulation, no load to full load

+/- 1%

AC waveform Total Harmonic Distortion (THDV)

No load < 1.5%. Non distorting balanced linear load < 5%

Telephone Influence Factor (TIF)

< 50 per NEMA MG1-22.43

Telephone Harmonic Factor (THF)

< 2%

## CONTROLLER AND PROTECTION SYSTEM

Make&Model


Smartgen 6120NC with cloud 4G Module

Picture



Automatic Self-starting Control System

- 1, Function: Control Panel provides necessary Monitoring, Control and Protection functions for the diesel genset.
- 2, Installation: Free-standing, fully enclosed dust-tight design, having concealed hinges and locking handle.
- 3, Generator Protections :a: Low oil pressure, b: Over temp. c: Over/low speed d:Charger failure  
 e:Over crank f:Stop failure  
 g:Low/high charge voltage h:Emergency  
 i:Common alarm j:Generating failure

STANDARD FEATURES	
Breaker	4 poles main circuit breaker
Silencer	Heavy duty industrial type super silencer with flexible elbow
Radiator	50 °C ambient radiator with safty guard
Battery	High capacity sealed maintenance free battery
Emergency stop button	Y
AVR and off-line charger	Y
Manuals	Operation& Maintenance manuals of engine, alternator and controller
<b>ATS 160A</b>	Aisikai
ATS(Automatic Transfer Switch) system, automatically start the generator when power outage, and automatically shut down the generator when electric power comes back.	
WARRANTY POLICY	
<p>Guarantee for 14 months or 1200 hours (whichever comes earlier) from ex-factory date. During the guarantee period, our company will provide the free easy damaged spare parts for problems caused by our quality of production or raw material, except the damageable spare parts of diesel engine caused by customer's man-made incorrect operation.</p> <p>After expiration,our company provides cost spare parts maintenance for gen-set.</p>	
PAYMENT TERM AND DELIVERY	
30% deposit and balance before shipment	
Within 25 working days delivery after the 30% down payment.	