

Dieser Generating Get				
MODEL	WOC125-60			
Standby Power (60Hz)	99KW/124KVA			
Prime Power (60Hz)	90KW/113KVA			





Standard Features

- Engine (DCEC Cummins 6BT5.9-G2)
- Radiator 50^oC max, fans are driven by belt, with safety guard
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- User manual

General Features:

- Absorber
- Dry type air filter, fuel filter, oil filter
- Main line circuit breaker
- Standard control panel
- Two12V batteries, rack and cable
- Ripple flex exhaust pipe, exhaust siphon, flange, muffler

Generator Ratings

Voltage	HZ	Phase	P.F (COS¢)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
480/277	60	3	0.8	125	99/124	90/113
460/266	60	3	0.8	137	99/124	90/113
440/254	60	3	0.8	137	99/124	90/113
416/240	60	3	0.8	143	99/124	90/113

Sales Promises

WADKIN provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: a, 15 months, counted on the day WADKIN sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one.





ENGINE DATA

Manufacturer / Model:DCEC Cummins 6BT5.9-G2, 4-cycle Air Intake System: Turbo Fuel System: A/AD type fuel pump Cylinder Arrangement: 6 in line Displacement: 5.9L 102*120 (mm) Bore and Stroke: Compression Ratio: 17.5:1 Rated RPM: 1800rpm Max. Standby Power at Rated RPM: 127KW Governor Type: RSV Mechanical(Std) / Electronic (Optional) **Exhaust System** Maximum Back Pressure.....-kPa 10 Exhaust Pipe Size Normally Acceptable-mm 75 Maximum Static Supported Weight at the Turbocharger Outlet Flange........-N.m 13.5 Air Intake System Maximum Intake Air Restriction with Heavy Duty Air Cleaner — Dirty Element.....-kPa 6 — Clean Element......-kPa 4 Fuel System Type Injection System.....BYC PB Direct Injection Maximum Restriction at Lift Pump.....-mmHg Maximum Allowable Head on Injector Return Line (Consisting of Friction Head and Static Head) . -mmHg 508

Oil System

Cooling System

Electrical System

Cranking Motor (Heavy Duty, Positive Engagement).....-volt 12V 24V

Battery Charging System, Negative Ground...-ampere 63 40

Maximum Allowable Resistance of Cranking Circuit...-ohm 0.00075 0.002

Minimum Recommended Battery Capacity

• Cold Soak @ 10 °F (-12 °C) and Above...-0°F CCA 800 400





ALTERNATOR SPECIFICATION

Manufacture Model: Stamfrod UCI274C

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

Alternator Data

Number of Phase: 3

Connecting Type: 3 Phase and 4 Wires, "Y" type connecting

Number of Bearing: 1

Power Factor: 0.8
Protection Grade: IP23

Altitude: ≤1000m

Exciter Type: Brushless, self-exciting

Insulation Class, Temperature Rise: H/H
Telephone Influence Factor (TIF): <50

THF: <2%

Voltage Regulation, Steady State: ≤± 1%

Alternator Capacity: 125 KVA

Alternator Efficiencies: 90.6%
Air Cooling Flow: 0.617m³/s

GENERATING SET DATA

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

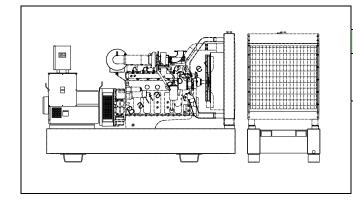




Options

Engine	Fuel System	Control System	
 Heater 2KW & 4KW 	Daily Fuel Tank	Remote Control Panel	
Battery Charger 3.5A & 7A	 Water Separator 	 Auto Transfer Switch (ATS) 	
	 Fuel Level Sensor 	 Paralleling System 	
Alternator	Others	Data	
Anti Condensation Heater	Rainproof Type	Engine Parts Drawing List	
• Permanent Magnet	 Soundproof Type 	 Spare Parts 	
Generator (PMG)			
 Drop CT (For Paralleling) 	Trailer Type		

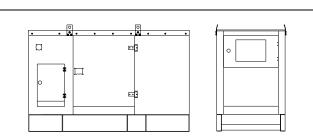
Dimension & Weight



Open Type with Base Fuel Tank

Overall Size: 2200 (mm) *850 (mm) *1500 (mm)

Weight: 1450kg



Soundproof Type

Overall Size: 2760 (mm) *1140 (mm) *1830 (mm)

Weight: 1900kg





Standard Control Panel

HGM6120: AMF (Automatic Mains Failure Module)



WADKIN 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

PERFORMANCE AND CHARACTERISTICS

- * Using microprocessor as a core, graphics LCD with big screen and backlight, display between Chinese and English, key touch for operation.
- * Have a RS485 port, can used for communicate to PC.
- Precision measure and display of

mains voltage
mains frequency (Hz)
mains current
generator voltage
generator power factor
generator starts count

generator current gen generator frequency (Hz) gen generator active power (kW) gen generator inactive power (kVar) star generator apparent power (kVA) ger generator cumulate electric energy (kWh)

generator temperature generator pressure generator fuel level start battery voltage generator hours count

- * Control protection: Automatic start/stop, load transfer and alarming of generator;
- * Parameters setting: Allow user to modify setting and store them inside internal FLASH memory, the parameters can not be lost even with power down. All parameters can be set from the front panel, or be set by PC used SG72
- * Three channel analog inputs, may joint with Resistive-type temperature/ pressure/ fuel level sensors, Several temperature and pressure sensors can be used directly (ie. VDO, DATCON, CUMMINS), also may select "user defined" sensor via entering 8 point curves;
- Display of generator cumulated electric energy;
- Security password-protected programming levels.
- Several crank success conditions are optional;
- * Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed;
- Power supply range is wide, accommodating to different starting battery voltage environments;

