

WGP-C60/S

CUMMINS Series

Features:

- Rotate speed governor: Electrical governor
- Excitation system: Self excited
- A.V.R model: AS440
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 24V sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy (Only for Soundproofed sets)
- 50°C radiator
- Oil pump on the engine
- Steel base frame with fork holes
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for daily running
- Drain points for fuel tank
- Operation Manual / Specifications



Dimensions and Weights

Model	L	W	H
WGP-C60	1850	700	1280
WGP-C60/S	2400	1050	1420

Output Ratings

Genset Model	Prime Power	Standby Power
WGP-C60	60kVA/48kW	66kVA/53kW
WGP-C60/S	60kVA/48kW	66kVA/53kW

Ratings at 0.8 power factor

Notes:

*Prime Power

Continuous duty operation, under variable load 24/24h-10% over load

**Standby Power

Standby duty, operation under variable load, without over load;

Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m(328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998,

Ratings and Performance Data

Engine Model:	Cummins 4BTA3.9-G2
Alternator Brand:	Stamford
Alternator Model:	UCI 224E
Control System:	Auto Genset / AMF
Circuit Breaker Type:	3 Pole MCCB
Frequency & Phase:	50Hz & 3PH
Engine Speed: RPM	1500
Fuel Tank Capacity: L	
WGP-C60	10 hrs
WGP-C60/S	10 hrs
Fuel Consumption: l/hr (100% Load)	
- Prime Power	12.1
- Standby Power	13.3

Engine Model: 4BTA3.9-G2

Engine Technical Data

No. of Cylinders / Alignment:	4 / In Line
Cycle:	4 Stroke
Bore / Stroke: mm	102/120
Induction:	Turbocharged
Cooling Method:	Water
Governing Type:	Electrical governor
Governing Class:	S6700E
Compression Ratio:	16.5:1
Displacement: L	3.9
Moment of Inertia:kg.m ²	0.143
Engine Electrical System:	
- Voltage / Ground	12/Negative
- Battery Charger	65 Amp
Weight: kg - Dry	350
- Wet	/

Performance

Engine Speed: RPM	1500
Gross Engine Power: kWm	
- Prime	50
- Standby	55
HP	
- Prime	67
- Standby	74

Lubrication System

Oil Pressure @ Idle Speed kPa	207
@ Rated Speed kPa	345
Maximum Oil Temperature: °C	121
Total Oil Capacity: L	11
Oil Type:	API CH4/15W-40

Exhaust System

Silencer Type	Industrial
Silencer Quantity:	1
Silencer Noise Reduction Level:	15 - 20dBA
Maximum Allowable Back Pressure: mmhg	76
Exhaust Gas Flow: l/s	
- Prime	130
- Standby	155
Exhaust Gas Temperature: °C	
- Prime	460
- Standby	485

Cooling System

Cooling System Capacity: L	7.9
Maximum coolant Friction Head	28
External to Engine: kPa	
Maximum Static Head of Coolant Above Engine Crank Centerline m :	14
Standard Thermostat (Modulating) Range: °C	82-95
Minimum Pressure Cap: kPa	69
Maximum Top Tank Temperature for Standby / prime Power: °C	104/100

Designed to operate in ambient conditions up to 50°C (122°F)
Contact a representative for power ratings at specific site conditions.

Fuel System

Injection System Type: BYC A Stanadyne				
Recommended Fuel Type:				
Diesel Fuel No.2-D(ASTMD975)				
Fuel Consumption: l/hr				
Prime Load	110%	100%	75%	50%
WGP-C60	13.3	12.1	9.7	7.3
WGP-C60/S	13.3	12.1	9.7	7.3

(Based on diesel fuel with a specific gravity of 0.85 and conforming to BS2869,Class A2)

Air Systems

Air Filter Type:	Dry type replaceable Element
Intake Air Flow: l/s	
- Prime	32.8
- Standby	32.9
Max. Air Intake Restriction: mmH2O	
-With Dirty Filter Element	508
-With Normal Duty and Clean Filter Element	254
-With Heavy Duty and Clean Filter Element	305

Alternator Model: UCI 224E

Alternator Physical Data

Manufactured by:	Stamford
Model:	UCI 224E
No. of Bearings:	Single
Insulation Class:	H
Winding Pitch Code:	2/3
Wires:	12
Ingress Protection Rating:	IP23
Excitation System:	Self excited,shunt
AVR Model:	AS440

Alternator Operating Data

Overspeed: rpm	2250rpm
Voltage Regulation: (Steady state)	±1.0%
Wave Form NEMA = TIF:	<50
Wave Form IEC = THF:	<2%
Air Flow: m3/s	0.1
Altitude: m	≤1000

Alternator	WGP-C60	WGP-C60/S
Performance Data:		
Time constants/400V:Ms		
T'd	28	28
T''d	7	7
T'do	700	700
Ta	6	6
Short Circuit Capacity** %	1/Xd	1/Xd
Reactances: Per Unit		
Xd	2.24	2.24
X'd	0.17	0.17
X''d	0.12	0.12

Voltage Technical Data WGP-C60

Voltage	Prime	Standby
	kVA	kVA
380/220	60	66
400/230	60	66
415/240	60	66
440/254	60	66

Voltage Technical Data WGP-C60/S

Voltage	Prime	Standby
	kVA	kVA
380/220	60	66
400/230	60	66
415/240	60	66
440/254	60	66

Genset Controller DSE4620



Features:

- Large back-lit icon LCD display.
- 3-phase generator sensing.
- 3-phase generator and mains (utility) sensing.
- 600 V ph-ph nominal system compatibility.
- Generator & load power monitoring (kW, kV A, kV Ar, pf).
- Generator overload protection (kW).
- Configurable inputs & outputs.
- Fuel & crank outputs.
- Magnetic pick-up speed sensing.
- Battery voltage monitoring.
- Configurable event log (50).
- DSE Configuration Suite PC Software.
- Engine speed protection, engine hours counter, engine pre-heat, engine run-time scheduler, engine idle control for start/stop.

Genset Controller DSE7420



Features:

- Microprocessor control, with high stability and credibility .
- Mains supply and generator operation monitoring.
- Indicating operation status and fault conditions.
- Multiple protections; multiple parameters display such as pressure, temperature.
- Manual and automatic work mode selectable.
- Real time clock for time and date display, overall runtime display, 99 log entries
- Overall power output display.
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed.
- Communication with PC via RS485 or RS232 interface, using MODBUS protocol.
- Engine ECU is available.
- Common USB cable is usable for parameter configuration.
- Multi-language is available

Optional

Engine	Alternator	Generator Set
<ul style="list-style-type: none"> • Water Jacket Preheater • Fuel-water separator • Oil pump • Oil preheater • Battery preheater 	<ul style="list-style-type: none"> • PMG excitation • Alternator heater • Winding Temperature Measuring • Anti-damp and anti-corrosion treatment • Anti-condensation heater 	<ul style="list-style-type: none"> •Tools with the machine •Coolant (-30°C)
Canopy	Fuel System	Control System
<ul style="list-style-type: none"> • Hired type • Trailer 	<ul style="list-style-type: none"> • Low fuel level alarm • Automatic fuel feeding system • Fuel T-valves • Dual Wall Integral Fuel Tanks • Dual Wall Sub-base Fuel Tanks • Automatic Fuel Fill Options • Fuel level shut down sensor 	<ul style="list-style-type: none"> • AMF function • ATS control cabinet • Double HZ & Volt • ABB & MCCB
Air Inlet system	Lube system	Starting /Charging system
<ul style="list-style-type: none"> • Air pre-heater 	<ul style="list-style-type: none"> • Manual sump pump • Lubricant oil pre-heater 	<ul style="list-style-type: none"> • Jacket water heater • Maintain free battery



WALT GLOBAL POWER EQUIPMENT CO.,LTD

E-mail: sales@waltpower.com
 Walt reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice.
 Please contact the salesman before ordering.
 2018 by WALT, All right reserved