DIESEL GENERATOR SET

Model: CDS-86KT

Rate Power: 78kVA/ 50Hz/ 3 phases

Applications:

Home, Buildings, Hospitals, Train station, Bank, Telecom, Mining, Military, Outdoor projects, etc.

Color choices:

Features and Benefits

- Tightly structure, excellent design and craft
- Excellent cooling system, reliable performance under the harshest conditions (ambient temperature up to 40°C and altitudes up to 1000m)
- Self-diagnostic capability simplifies troubleshooting
- LCD display shows system status setup information
- Automatic voltage regulator protects your sensitive electronics from harmonic distortion and unstable power quality
- Soundproof type: Very quite running: 75±3dB(A) at 23ft(7m) at normal load.
- Enclosed muffler for added quietness
- Service and; maintenance accessible through easy-latch side service door

Generator Data

Prime Power (kVA)	78
Standby Power (kVA)	86
Rated Frequency (Hz)	50
Running Noise db(A)/7m (Silent type)	75±3
Battery capacity (V-Ah)	24V
Open Type-Dimension (LxWxH) (mm)	1900*850*1370
Open Type-Weight (kg)	920
Silent Type-Dimension (LxWxH) (mm)	2500*1400*1500
Silent Type-Weight (kg)	1350
Fuel Tank Capacity (L)	Running in 6 hours for full load
Continuous Running Time (hr.)	6

Engine Specifications

Main features:

Brand: Cummins

- 4-cylinder, water-cooled, in-line diesel engine.
- Efficient fuel system for max power output and durability.
- Large-capacity air cleaner.
- Cost effective, fuel efficient and reliable performance.
- Functional engine with compact structure.
- Excellent after-sales service and sufficient spare parts supplying.
- Easy installation and ready access for routine maintenance

Model	4BTA3.9-G11
Output Power (kw)	70
Cylinder No. & Config.	4, In-line
Type	4 cycle , Diesel
Displacement (liters)	3,9
Governor	Electric type
Engine System (r/min)	1500
Air intake system	Turbo, Inter-cooled
Fuel Consumption (L/h)	17.6
Oil Capacity (L)	16.4
Compression ratio	17.3:1

Alternator specifications

Main Features:

- Advanced automatic voltage regulator (AVR) control for trouble-free operation under the most demanding conditions.
- 2/3 pitch winding as standard, to avoid excessive neutral current.
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings.
- Easy access for installation and maintenance.
- IP23 as standard.
- Self-excited control system.

Resist of corruption of oil and acid.

Brand options:	Benzen
Model	BZN224G
Rated Power (kVA)	78
Excitation System	Brushless, self-exciting
Connection Type	3 phases, 4 wires
Pole No	4
Regulator type	AVR
Protection class	IP23
Insulation class	H

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Control Panel System

Options:

DEEP SEA

DATAKOM

COMAP

Main Features:

- Using microprocessor as a core, graphics LCD with big screen and backlight, key touch for operation
- All parameters use digital modulation, with higher reliability and stability
- Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed
- Security password-protected programming levels
- Power supply range is wide, accommodating to different starting battery voltage environment
- Built-in watch dog can never be dead halt, ensuring smooth program execution
- Modular configuration design, inserted type connection terminals, flush type installation, compact structure, easy installation

Precision measure and display of:

- ✔ Generator voltage
- ✔ Generator current
- ✔ Generator frequency
- ✔ Generator active power (kW)
- ✔ Generator inactive power (kW)
- ✔ Generator apparent power (kVA)
- ✔ Generator power factor
- ✔ Generator starts count
- ✔ Generator hour count
- ✔ Cumulate electric energy (kWh)
- ✔ Generator temperature
- ✔ Generator pressure
- ✔ Start battery voltage

Protection:

- ✔ Emergency stop
- ✔ High water temperature
- ✔ Low oil pressure
- ✔ Over speed
- ✔ Under speed
- ✔ Loss of speed signal
- ✔ Generator over frequency
- ✔ Generator under frequency
- ✔ Generator over voltage
- ✔ Generator under voltage
- ✔ Generator over current
- ✔ Fail to start
- ✔ Auxiliary inputs

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* *Reserves the right to change the specifications and designs without notice.*