



Engine specification			Alternator specification	
Brand	CUMMINS		Brand	DA
Model	4BT3.9-G1		Model	DAI180H
Air Intake System	Turbo		Number of Phase	3
Fuel System	A type fuel pump		Connecting Type	“Y” type connecting
Cylinder Arrangement	4 in line		Number of Bearing	1
Displacement	3.9L		Power Factor	0.8
Bore×Stroke	102*120 mm		Protection Grade	IP23
Compression Ratio	16.5:1		Altitude	≤1000m
Governor Type	RSV Mechanical		Exciter Type	Brushless, self-exciting
Frequency Regulation, Steady State:	≤1.5%		Insulation Class, Temperature Rise	H/H
Starting system	E		Alternator Capacity	47KVA
Battery voltage	12VDC		Telephone Influence Factor (TIF)	<50
Fuel consumption(gl/h)			THF	<2%
	100% load	4,4	Voltage Regulation, Steady State	≤±1%
	75% load	3,8	Alternator Efficiencies	87.7%
	50% load	2,6	Air Cooling Flow	0.105m3/s

Exhaust System		Air Intake System	
Exhaust Gas Flow	7.1m3/min	Max Intake Restriction	6.35kPa
Exhaust Temperature	487°C	Burning Capacity	2.96m3/min
Max Back Pressure	10kPa	Intake Flow	150m3/min

Oil System		Cooling System	
Total Oil Capacity	11L	Total Coolant Capacity	21L
Oil Consumption	≤4g/kwh	Thermostat	82-95°C
Engine Oil Tank Capacity	9.5L	Max Water Temperature	104°C
Oil Pressure at Rated RPM	345kPa		



Control system

Deepsea brand DSE6020 (Standard)

Features:

- Auto start and Auto mains failure control to the genset
- Display of generator cumulated electric energy
- Using microprocessor as a core, graphics LCD with big screen and backlight
- PC and front panel configuration
- Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed
- Modular configuration design, inserted type connection terminals, flush type installation, compact structure, easy installation
- All parameters use digital modulation, abandoning analog modulation using conventional electronic potentiometer, reliability and stability are increased
- Built-in watch dog can never be dead halt, ensuring smooth program execution
- Analog oil pressure, water temperature, fuel level, battery voltage, engine speed
- 3 phase Generator protections:
 - Over-/under voltage
 - Over-/under frequency
 - Current/voltage asymmetry
 - Overcurrent/overload



- Security password-protected programming levels
- Generator measurements (50/60 Hz): U1-U3, I1-I3, Hz, kW, kVAr, kWh

Deepsea brand DSE7320 (Option)

Features:

- Auto Mains (Utility) Failure control module
- Remote PC and via SMS textalerts (with external modem)
- LED and LCD alarm indication
- Include USB, RS232 and RS485 ports
- Support for up to three remote display units
- Generator measurements (50/60 Hz): U1-U3, I1-I3, Hz, kW, kVAr, kWh
- Charge alternator failure alarm
- 3 phase Generator protections:
 - Over-/under voltage
 - Over-/under frequency
 - Current/voltage asymmetry
 - Overcurrent/overload
- Analog oil pressure, water temperature, fuel level, battery voltage, engine speed
- Load switching (load shedding and dummy load outputs)
- CAN and Magnetic Pick-up/Alt.sensing
- Automatic load transfer

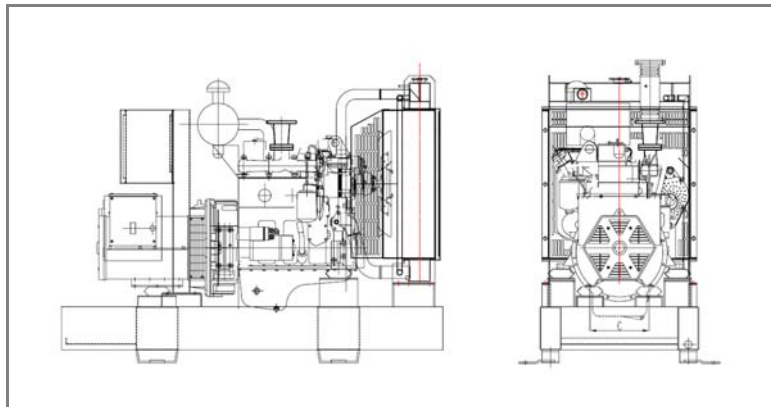




Optional parts

Engine	Fuel System	Control System
● Heater	● 30gl Daily Fuel Tank	● Remote Control Panel
● Battery Charger	● Water Separator	● Auto Transfer Switch
	● Fuel Level Sensor	● Paralleling System
Alternator	Others	Data
● Anti Condensation Heater	● Soundproof Type	● Engine Parts Drawing List
● Drop CT (For Paralleling)	● Trailer Type	● Spare parts
● PMG	● Containerized Type	

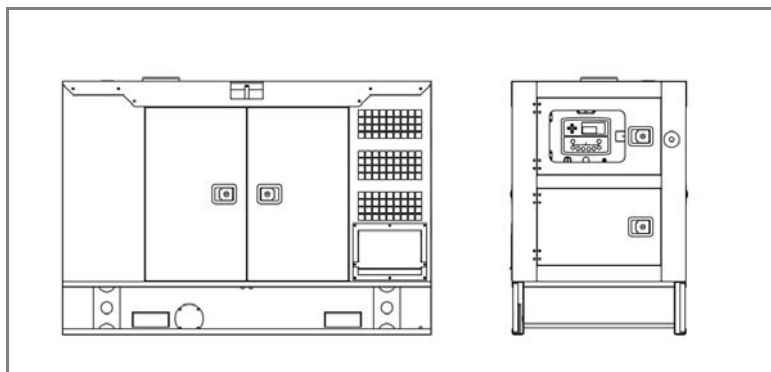
Dimension and Weight



Open Type Genset

Dimension: 1860×900×1400 mm

Weight: 950 kg



Soundproof Type Genset

Dimension: 2280×950×1510 mm

Weight: 1150 kg

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