

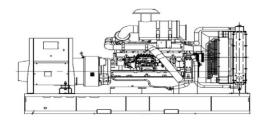
DIESEL GENERATOR EDG-1250C-6

POWER RATING

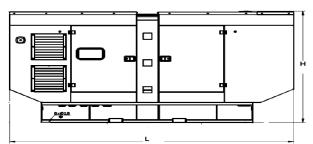
	With 60 Hz of frequency			
Output voltage (Vac), 3Phase	380 ~ 480 Volts(208-240volt option), 380VOLT consulted by EVERDIGM.			
Prime power	1135 kW, 1418 kVA			
Standby power	1250 kW, 1610 kVA			

Power ratings are made in accordance with ISO8528

Weight and Dimensions



Skid Type Overall size (L*W*H), mm : 4935*2100*2500 Weight : 10000 kg



Sound Proof Type Overall size (L*W*H), mm : 9000*2270*2550 Weight : 14100 kg

Generator Set Performance and Feature

- RELIABLE HIGH QUALITY SYSTEM- To improve the performance of Products, high quality auxiliaries equipment applied and optimized protection device built in the digital controller against malfunctioning and abnormal conditions.
- SIMPLE AND EASY OPERATION- With centralized controls simplifying generator operation and supervision is made very simple.
- LOW COST MAINTENANCE & OPERATION- Use the specialized diesel engine for generator set keeps operation costs very low.

- FREQUENCY REGULATION ACCURACY- Under varying loads from no load to 100% load at the rated power factor(0.8), frequency regulation is 5%(mechanical type governor), 1%(electric type governor).
- VOLTAGE REGULATION ACCURACY- Under varying loads from no load to 100% load at the rated power factor (0.8), voltage regulation is less than ±2.5%.
- VOLTAGE ADJUSTABLE RANGE- Under rated speed and no load condition, voltage adjustable range is less than ±5% of rated voltage.

- Applied the 2/3 pitch winding to reduce the 3rd harmonics.
- Designed by using the latest technologies and the best materials available to guarantee high efficiency value.
- Impregnated with high-grade resin and protection against hostile environment is provided as standard.
- Supplied with over exciting current and under frequency protection built in the AVR.
- Suitable for parallel operation with other generator or mains power. (Parallel kit is available on request.)

ENGINE

Manufacturer ······ Cummins Model····· KTA50-G3

Prime power (Gross) At 60 Hz 1220 kWm (1635bhp) / 1800rpm

Standby power (Gross)

At 60 Hz 1380 kWm (1850 bhp) / 1800 rpm
Nos. of cylinder 16 cylinders
Block & cycle ······ Vee-Type 4 cycle
Displacement 50 liters
Compression ratio····· 13.9:1
Cylinder block ······· Cast iron
Bore x stroke 159 x 159 mm
Aspiration Turbocharged , Air cooled
Rotation Anti-clockwise (view from
flywheel)
NOTE-The Engine performance corresponds to ISO3046,
BS5514 and DIN 6271.

LUBRICATION SYSTEM

Oil filter Spin-on full flow filter

Lube method Full forced pressure feed
Oil pump type Gear driven by crankshaft
Max oil temp 120 Celsius degree
Oil Type SAE15W40CE

FUEL SYSTEM

Fuel filter Dual Spin-on fuel filter with water Separator Injection...... Direct injection Governor Electronic Fuel type Light diesel fuel, DIN51601, BS2869, ASTM D975 Fuel tank mounted in bed <u>Fuel consumption at prime operation (liter/hr)</u> At 60 Hz min 99 , max 291 (lph) NOTE- based on min at 25% loaded, max at 100%prime loaded

ELECTRICAL SYSTEM

Battery Nos. 4 x 200 AH Alternator 24 Vdc, 55 A Starting voltage 24 Vdc, Negative ground

GENERATOR

NOTE- Generator is in compliance with IEC 60034-1, CEI 2-3, BS4999-5000, VDE 0530, NF 51-100, 111, OVE M-10, NEMA MG 1.22

EXHAUST SYSTEM

Silencer/muffler Nos.2 x Dry type

COOLING SYSTEM (Standard Radiator)

TypeWater cooled Fan power36 kWm Cooling system air Flow 34.6 m3/s

AIR SYSTEM

Air cleaner type Dry, paper element

SERVICE REFILL CAPACITY

Fuel tank	Skid :	liters	
	Sound Pro	of :	liters
Engine oil	177 liters		
Coolant	415 liters		

CONTROL PANEL mounted



Dimension (W x H x D): 450 x 600 x 200 (mm)

WITCH& PUSH BUTTON	
Manual/Remote/Auto button	0
Stop button	0
GCB Close/Trip button	0
Alarm button	0
Direction/Enter/ESC button	0
Emergency stop push button	0
Main Power Switch	0
Voltage Adjuster	0
DISPLAY	0
Digital Volt./Current/Power/PF/Hz	0
Running Hours/Kilowatt hour	0
RPM/DC Voltage	0
Oil press./Coolant temp	0
Cooldown time/Mains power live/Failure sensing time	0
BREAKER	
Main molded case circuit breaker (MCCB 4P)	O (3P as option)
Circuit protector for DC source	0
Breaker for main power/coolant heater	0
NDICATOR & PROTECTION SYSTEM	
Main power lamp	0
Manual/Remote/Auto, LED	0
Running, LED	0
GCB close/trip, LED	0
Emergency stop, LCD	0
Over voltage/Under voltage/Over Current, LCD	0
High coolant temperature, LCD	0
Low lub. oil pressure, LCD	0
Fail to start, LCD	0
Over speed, LCD	0
REMOTE SYSTEM	
PC Monitoring program	
Dry Contact (Mains Power, Running, Fault)	0
CONTROL SYSTEM	-
SPEED CONTROL UNIT	0
OTHERS	
Dry Contact (Extension Module)	
Battery Charger	0

O: Equipped as standard

▲: To be equipped as option

X: not applicable

STANDARD EQUIPMENT

Engine

Fuel oil filter Lub. oil filter and drain valve Air cleaner Lubricate oil Fan Belt

Control panel Digital control panel (EDGC10)

Exhaust Industrial Silencer (Sound attenuation up to 20db) Bellows

Voltage Connection 440V/254V

Electrical System Battery and Battery cable Charging Alternator

Manual Operation & Maintenance manual Generator part book

OPTIONAL EQUIPMENT

Engine Battery auto charger (For Standby Power usage)

Control panel Self-standing panel

Enclosed Unit Sound Proof Canopy

Cold climate heater Coolant heater, 120V/240V

Spare parts PM (preventive maintenance) parts; filters & oils RSP (recommended spare parts)

Fuel Options Fuel Water Separator Free Standing Fuel Tank