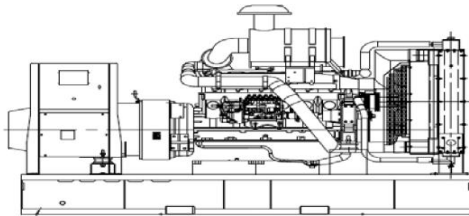


POWER RATING

	With 60 Hz of frequency
Output voltage (Vac), 3Phase	380 ~ 480 Volts(208-240volt option), 380VOLT consulted by EVERDIGM.
Prime power	88 kW, 110 kVA
Standby power	100kW, 125 kVA

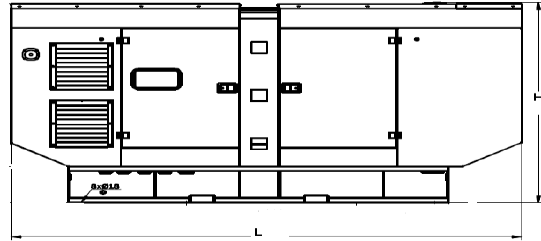
Power ratings are made in accordance with ISO8528

Weight and Dimensions



Skid Type

Overall size (L*W*H), mm :
Approx. 2150*1000*1469
Weight : Approx. 1280 kg



Sound Proof Type

Overall size (L*W*H), mm :
Approx. 3116*1063*1715
Weight : Approx. 1700 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.
- **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).
- Applied the 2/3 pitch winding to reduce the 3rd harmonics.
- **SIMPLE AND EASY OPERATION-** With centralized controls simplifying generator operation and supervision is made very simple.
- **VOLTAGE REGULATION ACCURACY-** Under varying loads from no load to 100% load at the rated power factor (0.8), voltage regulation is less than $\pm 2.5\%$.
- Designed by using the latest technologies and the best materials available to guarantee high efficiency value.
- **LOW COST MAINTENANCE & OPERATION-** Use the specialized diesel engine for generator set keeps operation costs very low.
- **VOLTAGE ADJUSTABLE RANGE-** Under rated speed and no load condition, voltage adjustable range is less than $\pm 5\%$ of rated voltage.
- 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

Engine Brand	CUMMINS
Engine Model	6BT5.9G2
Engine Power Output at rated rpm	127 kWm at 170 HP
Aspiration and Cooling	Turbocharged
Total Displacement	5.9 Liter
No. of Cylinders and Build	6-Inline
Engine Speed	1800 rpm
Bore and Stroke	102x120 mm x mm
Compression Ratio	17.3:1
Governor	Electronic
Fuel Consumption at full load	29.7 L/hr
Fuel Tank Capacity	Open/Sound Proof : 195 Liter
Oil Capacity	16.4 Liter
Coolant Capacity	36 Liter
Radiator Cooling Air	200 m ³ /min
Air Intake	8.22 m ³ /min
Exhaust Gas Flow	23.7 m ³ /min

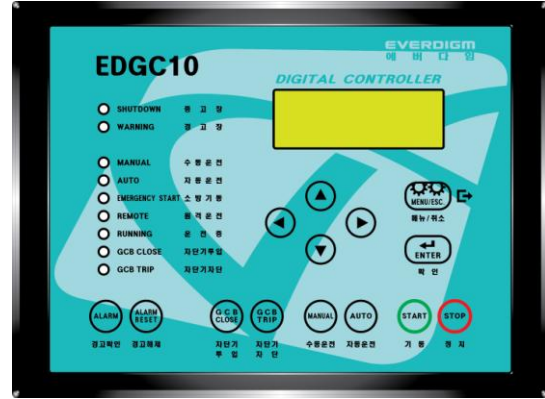
NOTE-The Engine performance corresponds to ISO3046, BS5514 and DIN 6271.

ALTERNATOR

Type	Revolution Field
Phase & wire	3P4W
Power factor	0.8
Nos. of Pole	4
Speed	1800/60 (rpm/Hz)
Insulation Class	H
Excitation	Self-Excited, Brushless
Method of cooling	Self ventilation
Winding Pitch	2/3
One-step load	100% (NFPA110)
Coupling	Flexible Disc
Bearing	Single, Ball Bearing
Insulation grade	IP21
Over speed	2070 rpm
Overload	110% for 1 hr of rated power

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

CONTROLLER



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

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

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

Mounted control panel
Digital controller (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 parts book

OPTIONAL EQUIPMENT

Engine

Battery auto charger (For Standby Power usage)

Control panel

Digital controller (Comap Synch Controller)

Enclosed Unit

Sound Proof Type
Containerized Type

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

Manual

Engine Parts Book