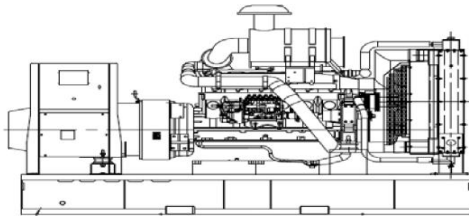


## POWER RATING

	With 60 Hz of frequency
Output voltage (Vac), 3Phase	380 ~ 480 Volts(208-240volt option), 380VOLT consulted by EVERDIGM.
Prime power	53.6 kW, 67 kVA
Standby power	60kW, 75 kVA

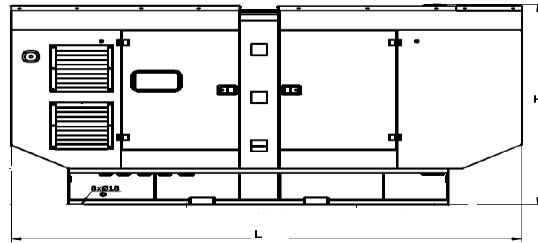
*Power ratings are made in accordance with ISO8528*

## Weight and Dimensions



### Skid Type

Overall size (L\*W\*H), mm :  
Approx. 1860\*900\*1381  
Weight : Approx. 960 kg



### Sound Proof Type

Overall size (L\*W\*H), mm :  
Approx. 2494\*963\*1542  
Weight : Approx. 1280 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).
- **VOLTAGE REGULATION ACCURACY-** Under varying loads from no load to 100% load at the rated power factor (0.8), voltage regulation is less than  $\pm 2.5\%$ .
- **VOLTAGE ADJUSTABLE RANGE-** Under rated speed and no load condition, voltage adjustable range is less than  $\pm 5\%$  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

Engine Brand	CUMMINS
Engine Model	4BTA3.9G2
Engine Power Output at rated rpm	66 kWm at 88 HP
Aspiration and Cooling	Turbocharged & Aftercooled
Total Displacement	3.9 Liter
No. of Cylinders and Build	4-Inline
Engine Speed	1800 rpm
Bore and Stroke	102x120 mm x mm
Compression Ratio	17.3:1
Governor	Electronic
Fuel Consumption at full load	15.9 L/hr
Fuel Tank Capacity	Open/Sound Proof : 154 Liter
Oil Capacity	10.9 Liter
Coolant Capacity	20 Liter
Radiator Cooling Air	120 m <sup>3</sup> /min
Air Intake	4.38 m <sup>3</sup> /min
Exhaust Gas Flow	9.06 m <sup>3</sup> /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		
<b>SWITCH&amp; PUSH BUTTON</b>		
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
<b>DISPLAY</b>		
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
<b>BREAKER</b>		
Main molded case circuit breaker (MCCB 4P)		O (3P as option)
Circuit protector for DC source		O
Breaker for main power/coolant heater		O
<b>INDICATOR &amp; PROTECTION SYSTEM</b>		
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
<b>REMOTE SYSTEM</b>		
PC Monitoring program		▲
Dry Contact (Mains Power, Running, Fault)		O
<b>CONTROL SYSTEM</b>		
SPEED CONTROL UNIT		O
<b>OTHERS</b>		
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