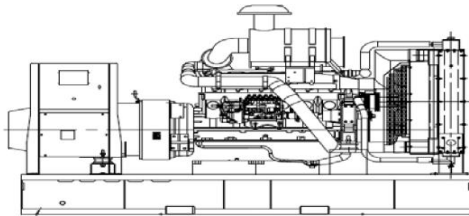


## POWER RATING

	With 60 Hz of frequency
Output voltage (Vac), 3Phase	380 ~ 480 Volts(208-240volt option), 380VOLT consulted by EVERDIGM.
Prime power	280 kW, 350 kVA
Standby power	308 kW, 385 kVA

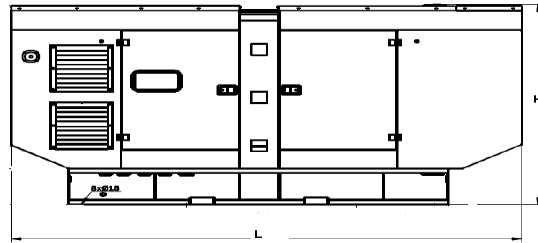
*Power ratings are made in accordance with ISO8528*

## Weight and Dimensions



### Skid Type

Overall size (L\*W\*H), mm :  
Approx. 3031\*1400\*1978  
Weight : Approx. 3300 kg



### Sound Proof Type

Overall size (L\*W\*H), mm :  
Approx. 4517\*1463\*2163  
Weight : Approx. 3860 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	NTA855G1B
Engine Power Output at rated rpm	347 kWm at 465 HP
Aspiration and Cooling	Turbocharged and Charge Air Cooled
Total Displacement	14 Liter
No. of Cylinders and Build	6-Inline
Engine Speed	1800 rpm
Bore and Stroke	140x152 mm x mm
Compression Ratio	14:1
Governor	Electronic
Fuel Consumption at full load	79 L/hr
Fuel Tank Capacity	Open/Sound Proof : 526 Liter
Oil Capacity	38.6 Liter
Coolant Capacity	60.6 Liter
Radiator Cooling Air	878 m <sup>3</sup> /min
Air Intake	27.78 m <sup>3</sup> /min
Exhaust Gas Flow	72.78 m <sup>3</sup> /min

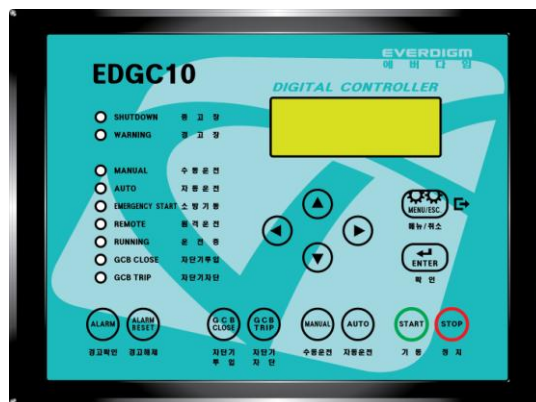
NOTE-The Engine performance corresponds to ISO3046, BS5514 and DIN 6271.

## 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