

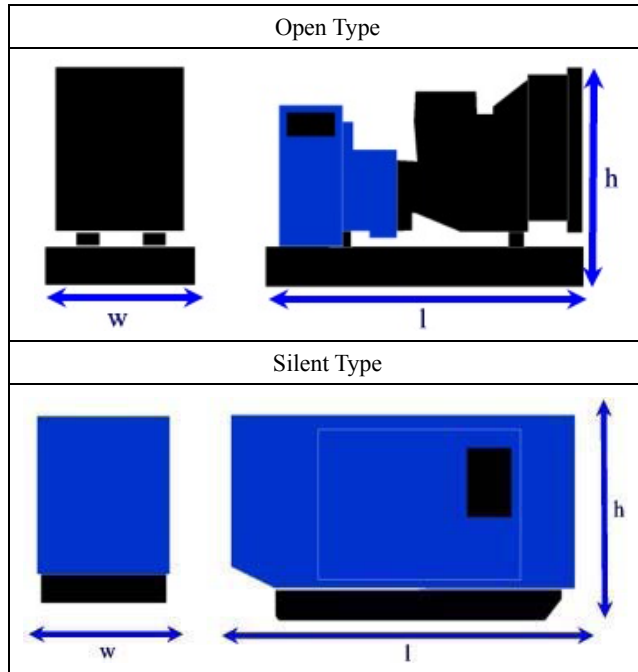
## TC275

**Standby power : 275KVA/220KW**

**Prime power : 250KVA/200KW**

### Standard features

- Engine : CUMMINS , 6LTAA8.9-G2
- Charge alternator : 24V
- Governor : Electrical
- Generator : STAMFORD , UCI274K
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 50°C max with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- 24V battery and cable
- Industrial muffler
- User's manual



### Weight and Dimensions

GEN-Set	Dimension ( L×W×H )	Weight
Open Type	2550mm×980mm×1720mm	2034 Kg
Silent Type	3680mm×1250mm×2068mm	2984 Kg

### Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	397	275/220	250/200

### Engine Data

Manufacturer/Model	CUMMINS 6LTAA8.9-G2 4-cycle
Cylinder /Arrangement	6 / L
Displacement	8.9 L
Bore and Stroke	114 mm×159 mm
Compression ratio	16.6 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	245KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

### Exhaust System

Exhaust gas flow	633 L/S
Exhaust temperature	525°C
Max back pressure	10.2KPa

### Fuel System

Fuel consumption 100% (of the Prime Power)	44 L / h
--	----------

### Oil system

Total oil capacity w/filters	27.6L
------------------------------	-------

### Air intake

Engine air flow	275L/ s
-----------------	---------

### Coolant System

Radiator & engine capacity	47 L
Max water temperature	105°C
Thermostat	82-94°C

### Generator Data

Manufacturer / Type	STAMFORD UCI274 K
Number of phase power	3
Factor (Cos Phi)	0.8
Pole : number	4
Bearing : number	1
Coupling	Direct
Exciter type	Brushless SHUNT
Insulation : class , temperature rise protection	H / H IP23

### Control panel



#### Specifications :

Frequency meter , Ammeter , Voltmeter , Alarms and faults  
Oil pressure , water temperature , No start-up , Overspeed ,  
Min/max battery voltage , Low fuel level , Emergency stop

#### Engine parameters:

Hours counter , Oil pressure , water temperature