

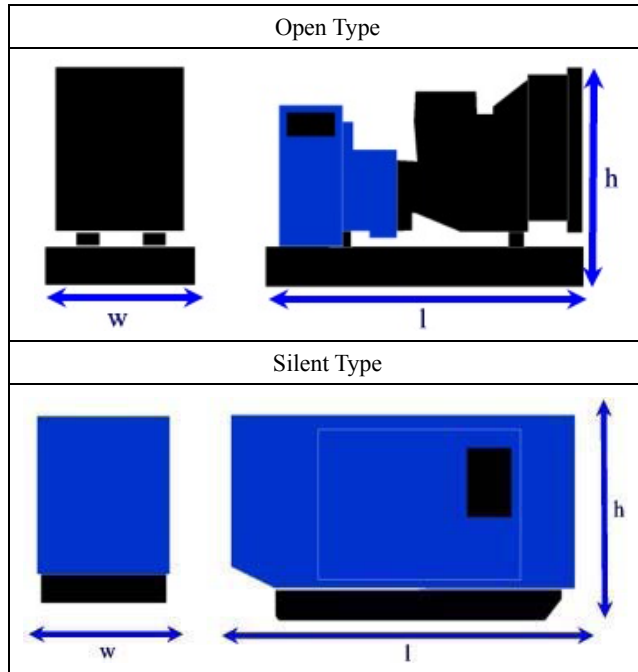
TC550

Standby power : 550KVA/440KW

Prime power : 500KVA/400KW

Standard features

- Engine : CUMMINS , KTA19-G4
- Charge alternator : 24V
- Governor : Electrical
- Generator : STAMFORD , HCI544C
- 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	3350mm×1360mm×2000mm	4216 Kg
Silent Type	5200mm×1500mm×2686mm	5466 Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	794	550/440	500/400

Engine Data

Manufacturer/Model	CUMMINS KTA19-G4 4-cycle
Cylinder /Arrangement	6 / L
Displacement	18.9 L
Bore and Stroke	159 mm×159 mm
Compression ratio	14.5 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	504KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	1434 L/S
Exhaust temperature	538°C
Max back pressure	10KPa

Fuel System

Fuel consumption 100% (of the Prime Power)	100 L / h
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Oil system

Total oil capacity w/filters	50L
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Air intake

Engine air flow	532L/s
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Coolant System

Radiator & engine capacity	66L
Max water temperature	105°C
Thermostat	82-94°C

Generator Data

Manufacturer / Type	STAMFORD HCI544C
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	H / H
protection	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