

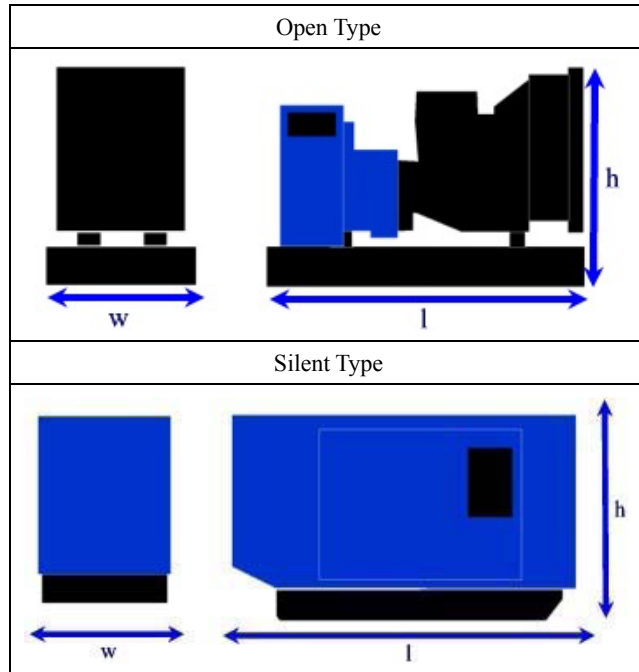
TC450

Standby power : 450KVA/360KW

Prime power : 400KVA/320KW

Standard features

- Engine : CUMMINS , NTAA855-G7A
- Charge alternator : 24V
- Governor : Electrical
- Generator : STAMFORD , HCI444F
- 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	3250mm×1150mm×1920mm	3347 Kg
Silent Type	4706mm×1356mm×2566mm	4522 Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	650	450/360	400/320

Engine Data

Manufacturer/Model	CUMMINS NTAA855-G7A 4-cycle
Cylinder /Arrangement	6 / L
Displacement	14 L
Bore and Stroke	140 mm×152 mm
Compression ratio	14 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	407KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	549 L/S
Exhaust temperature	473°C
Max back pressure	10KPa

Fuel System

Fuel consumption 100% (of the Prime Power)	108 L / h
--	-----------

Oil system

Total oil capacity w/filters	38.6L
------------------------------	-------

Air intake

Engine air flow	549L/s
-----------------	--------

Coolant System

Radiator & engine capacity	60.6L
Max water temperature	105°C
Thermostat	82-94°C

Generator Data

Manufacturer / Type	STAMFORD HCI444F
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