

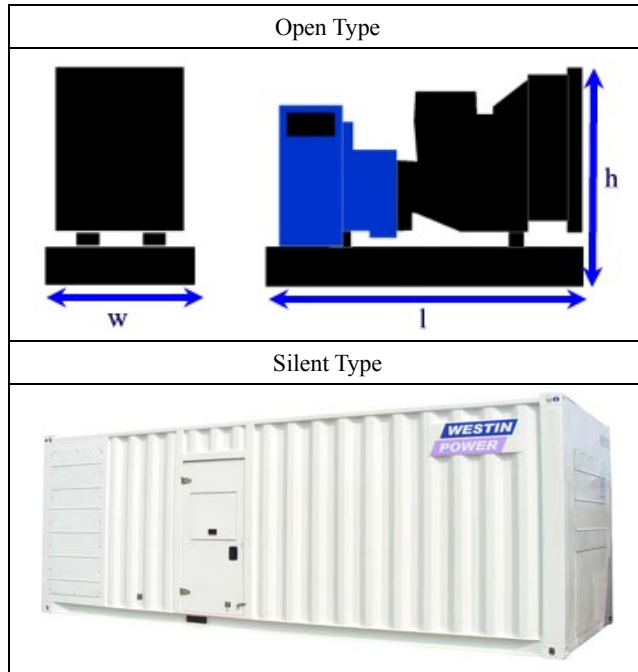
TC625

Standby power : 625KVA/500KW

Prime power : 568KVA/455KW

Standard features

- Engine : CUMMINS , KTAA19-G5
- Charge alternator : 24V
- Governor : Electrical
- Generator : STAMFORD , HCI544E
- 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
- User's manual



Weight and Dimensions

GEN-Set	Dimension (L×W×H)	Weight
Open Type	3650mm×1560mm×2070mm	4610 Kg
Silent Type	6058mm×2438mm×2591mm	8610 Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	902	625/500	568/455

Engine Data

Manufacturer/Model	CUMMINS KTAA19-G5 4-cycle
Cylinder /Arrangement	6 / L
Displacement	18.9 L
Bore and Stroke	159 mm×159mm
Compression ratio	13.5 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	555KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	1855L/S
Exhaust temperature	450°C
Max back pressure	10KPa

Fuel System

Fuel consumption 100% (of the Prime Power)	113 L / h
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Oil system

Total oil capacity w/filters	50L
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Air intake

Engine air flow	692L/s
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Coolant System

Radiator & engine capacity	145L
Max water temperature	104°C
Thermostat	82-93°C

Generator Data

Manufacturer / Type	STAMFORD HCI444E
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