

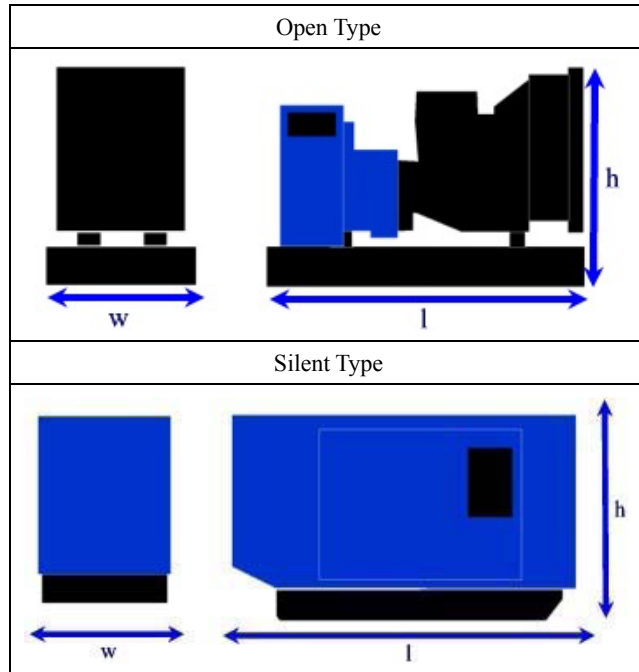
TC80

Standby power : 80KVA/64KW

Prime power : 72KVA/58KW

Standard features

- Engine : CUMMINS , 6BT5.9-G2
- Charge alternator : 24V
- Governor : Electrical
- Generator : STAMFORD , UCI224F
- 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	2170mm×880mm×1450mm	1127 Kg
Silent Type	3140mm×1056mm×1850mm	1749 Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	115	80/64	72/58

Engine Data

Manufacturer/Model	CUMMINS 6BT5.9-G2 4-cycle
Cylinder /Arrangement	6 / L
Displacement	5.9 L
Bore and Stroke	102 mm×120 mm
Compression ratio	17.5 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	92 KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	391 L/S
Exhaust temperature	578°C
Max back pressure	76mmHg

Fuel System

Fuel consumption 100% (of the Prime Power)	16 L / h
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Oil system

Total oil capacity w/filters	16.4 L
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Air intake

Engine air flow	288m ³ / h
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Coolant System

Radiator & engine capacity	29 L
Max water temperature	105°C
Thermostat	82-94°C

Generator Data

Manufacturer / Type	STAMFORD UCI224F
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