

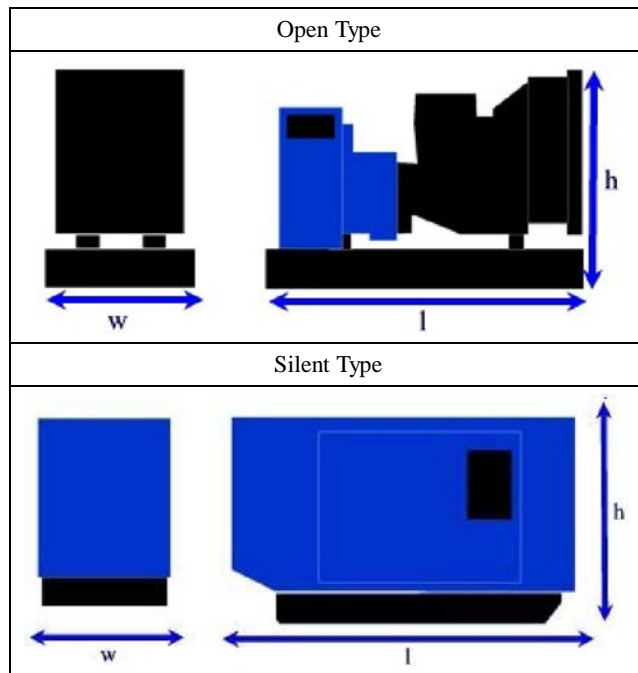
TC145T

Standby power : 145KVA/116KW

Prime power : 131KVA/105KW

Standard features

- Engine : CUMMINS , 6BTAA5.9-G2
- Charge alternator : 24V
- Governor : Electrical
- Generator : STAMFORD , UCI274E
- 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	2350mm×950mm×1430mm	1384 Kg
Silent Type	3436mm×1156mm×1968mm	1963 Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	210	145/116	131/105

Engine Data

Manufacturer/Model	CUMMINS 6BTAA5.9-G2 4-cycle
Cylinder /Arrangement	6 / L
Displacement	5.9 L
Bore and Stroke	102 mm×120 mm
Compression ratio	17.3 : 1
Rated RPM	1500 RPM
Max. standby power at rated RPM	130 KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	328 L/s
Exhaust temperature	540 °C
Max back pressure	10kPa

Fuel System

Fuel consumption 100% (of the Prime Power)	30 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	120 L/s
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Coolant System

Radiator & engine capacity	30.0 L
Max water temperature	104 °C
Thermostat	82-95 °C

Generator Data

Manufacturer / Type	STAMFORD / UCI274E
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



The **DSE7320** is made by DEEP SEA in England and is a new control module for single gen-set applications, and it is an Automatic Start Control Module and is simple to operate, and the module includes USB, RS232 and RS485 for expansion device connectivity.

Specifications: Frequency meter, Ammeter, Voltmeter Alarms and faults Oil pressure, water temperature, No start-up, Over speed, Min/max alternator, Min/max battery voltage, Low fuel level, Emergency stop. Connect to VOLVO J1939. Engine parameters: Hours counter, Oil pressure, Water, temperature, Engine speed, Battery voltage, Fuel, Battery voltage, Fuel level.