Electric Start 7500T Ultra Quiet Diesel Generator Single Phase 220V

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GET
- Certification: ISO CE
- Price: Negotiable
- Delivery Time: 15-20 workdays
- Payment Terms: LC, T/T, PayPal, Western Union, Small-amount payment, Money Gram

Product Specification

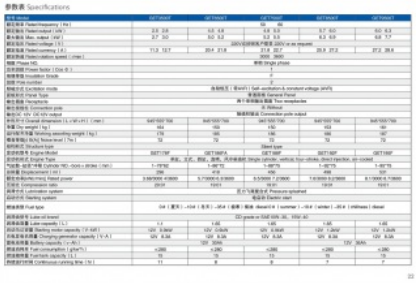
- Rated Frequency: 50hz 60hz
- Rated Output(kw): 2.5 2.8/ 4.5 4.8/ 4.8 5.0/ 5.7 6.0/ 6.0 6.3
- Max Output (kw): 2.7 3.0/ 5.0 5.2/ 5.2/5.5/ 6.3 6.9/ 6.8 7.7
- Rated Voltage (V): 220V Or As Request
- Rated Currency (A): 11.3 12.7/ 20.4 21.8/ 21.8 22.7/ 25.9 27.2/ 27.2 28.6
- Rated Rotation Speed (r/min): 3000 3600
- Phase No.: Single Phase
- Power Factor: 1
- Insulation Grade: F
- Pole Number: 2
- Excitation Mode: Self-excitation & Constant Voltage (AVR)
- Panel Type: General Panel
- Receptacle: Two Receptacles
- Connection Pole: Without

Product Description

GET7500T Ultra Quiet Dual Fuel Generator Ultra Quiet RV Generator

Phase No.:	Single Phase
Insulation Grade:	F
Excitation Mode:	Self-excitation & Constant Voltage (AVR)
Receptacle:	Two Receptacles
DC 12V Output:	Connection Pole Output
Dry Weight (kg):	164 150 150 153 161
Noise Level (7m):	72 DB
Engine Type:	Single Cylinder, Vertical, Four Stroke, Direct Injection, Air-cooled
Displacement(ml):	296 418 456 498 531
Compression Ratio:	20:01, 19:01
Starting System:	Electric Start
Lube Oil Brand:	CD Grade Or SAE10W-30, 15W-40
Starting Motor Capacity:	12V 0.9KW/ 12V 1.2KW
Battery Capacity:	12V 30Ah
Fuel Tank Capacity (L):	15
Rated Output(kw):	2.5 2.8/ 4.5 4.8/ 4.8 5.0/ 5.7 6.0/ 6.0 6.3
Rated Voltage (V):	220V Or As Request
Rated Rotation Speed (r/min):	3000 3600
Power Factor:	1
Pole Number:	2
Panel Type:	General Panel
Connection Pole:	Without
Overall Dmension(mm):	945*555*700
Working Assorting Weight (kg):	179 185 186 186 187
Structure Type:	Silent Type
Cylinder No. -bore X Stroke (mm):	1-78x62/ 1-86x72/ 1-88x75/ 1-92x75/ 1-95x75
Rated Power:	3.68/3000-4/3600. 5.7/3000-6.3/3600. 6.5/3000-7.2/3600. 7.6/3000-8.2/3600. 8.1/3000-8.7/3600
Lubrication System:	Pressure Splashed
Fuel Type:	0#(summer)-10#(winter)-35#(chillness) Diesel
Lube Capacity (L):	1.1/ 1.65
Charging Generator Capacity:	12V 8.3A
Fuel Consumption (g/kw*h):	≤280
Continuous Running Time:	11h 8h 8h 7h 7h

The working principle of an ultra-quiet diesel generator is based on the fundamental principles of a diesel engine and electrical generator. Here are the key steps involved in the operation of an ultra-quiet diesel generator:
Combustion Process: The process begins with the combustion of diesel fuel inside the diesel engine. The fuel is injected into the combustion chamber, and it mixes with compressed air. This mixture is ignited by the heat generated from the compression of the air, leading to the rapid expansion of gases.
Mechanical Energy Generation: The combustion process creates a high-pressure and high-temperature gas mixture. As the gases expand, they create a force that pushes the piston downward in the engine cylinder. The reciprocating motion of the piston is converted into rotational motion through a connecting rod and crankshaft.
Crankshaft Rotation: The rotation of the crankshaft converts the linear motion of the pistons into a continuous circular motion. The crankshaft is connected to the generator's rotor, which is equipped with a set of windings.
Electromagnetic Induction: The rotor windings interact with a set of stationary windings, known as the stator windings, surrounding them. As the rotor rotates, it generates a changing magnetic field. This changing magnetic field induces an electric current in the stator windings through the process of electromagnetic induction.
Electricity Generation: The induced electric current in the stator windings produces alternating current (AC) electricity. This AC electricity is the primary output of the generator and can be used to power electrical devices and appliances.
Voltage Regulation: Ultra-quiet diesel generators often include a voltage regulator to maintain a stable and consistent voltage output. The voltage regulator adjusts the excitation current supplied to the rotor windings, regulating the magnetic field strength and ensuring a constant voltage output.
Noise Reduction Mechanisms: Ultra-quiet diesel generators incorporate various noise reduction mechanisms to minimize noise emissions. These mechanisms include soundproof enclosures, acoustic insulation, specialized exhaust systems, and low-vibration designs. These features work together to reduce noise transmission and dampen the sound generated during the combustion and mechanical processes.
Cooling System: Ultra-quiet diesel generators have cooling systems to regulate the temperature of the engine and ensure efficient operation. The cooling system typically consists of a radiator, coolant fluid, and a circulation pump that dissipates heat generated during the combustion process.



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