

Perkins-WTP20GF

Description
60hz EPA 20kw Perkins diesel generator single phase 110/220V with Wetech WT184F alternator

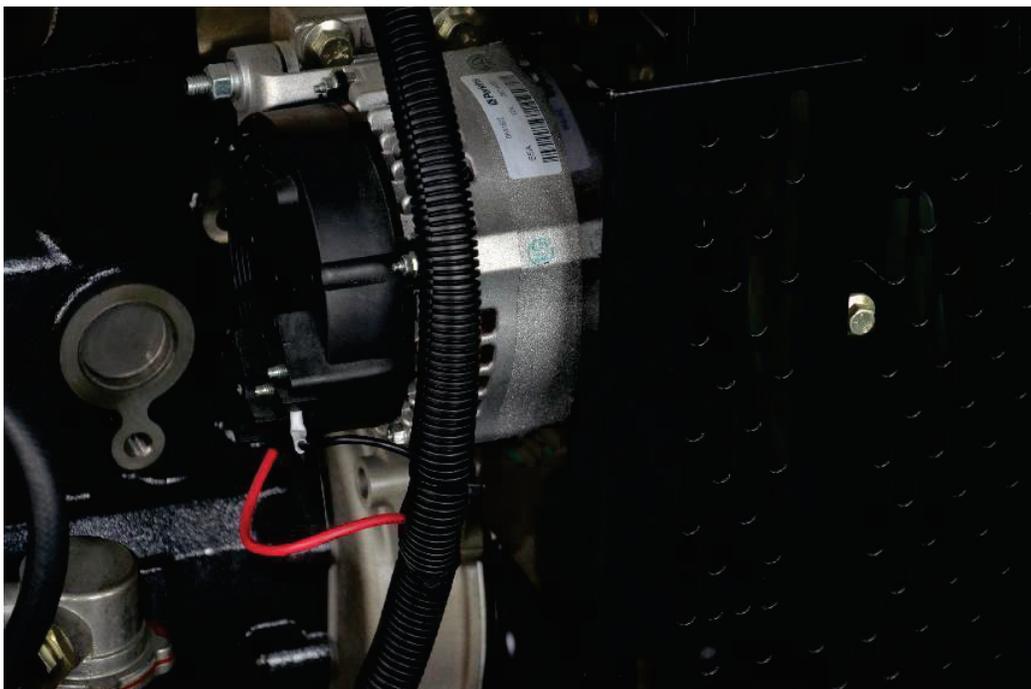
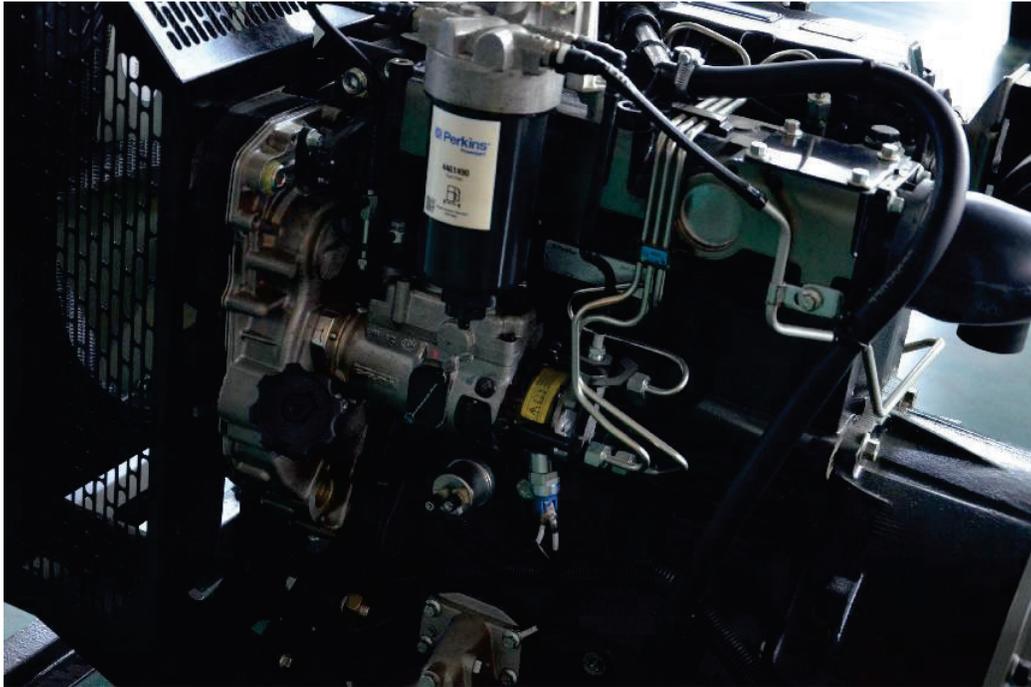
General features:

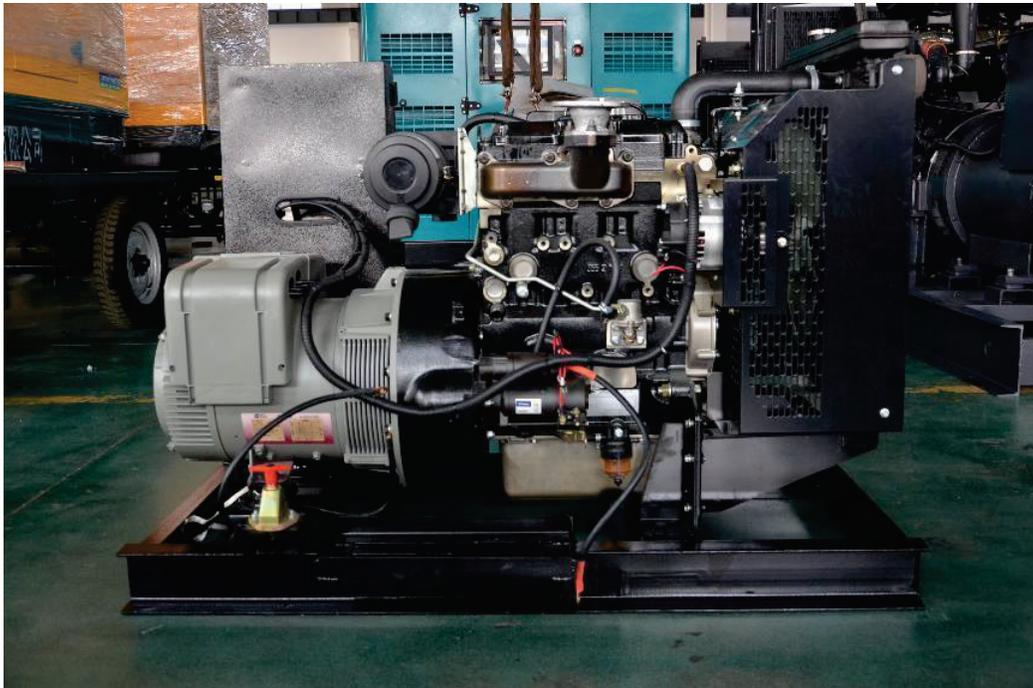
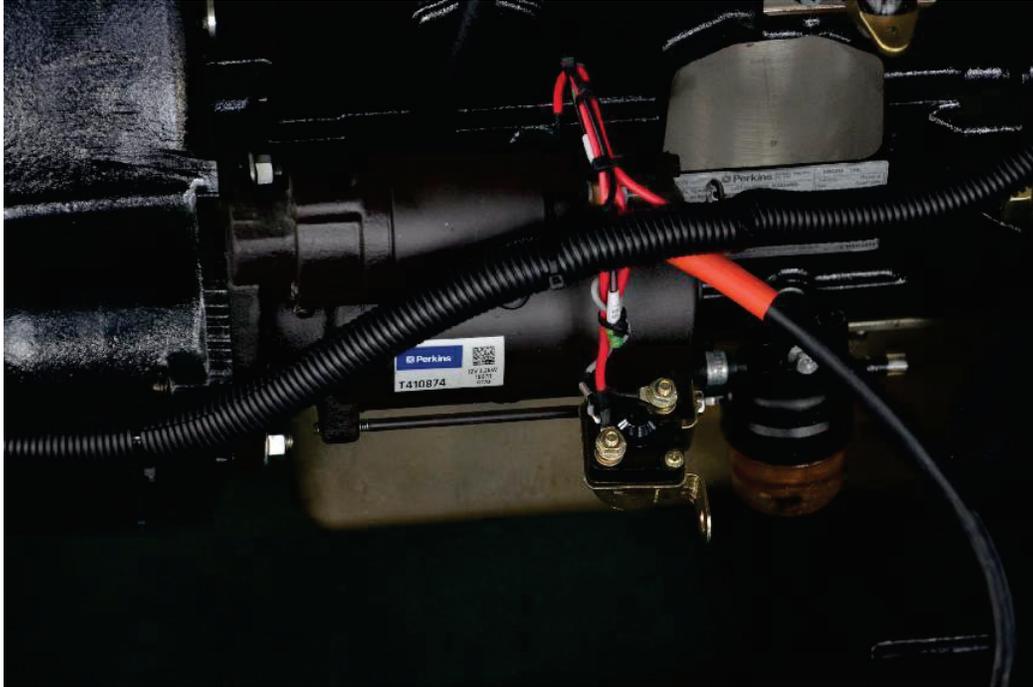
- Engine:Perkins 404D-22G
- Alternator:Wetech WT184E
- Digital Controller:Smartgen HGM6120N
- Equipped with 50°C Radiator;
- Equipped with 24V DC Start motor;
- Equipped with vibration Isolators between the engine/alternator and base frame;
- Equipped with high performance maintenance-free lead-acid starting batteries and battery switch;
- Equipped with industrial silencer and flexible exhaust hose;
- Equipped with high performance circuit breaker;
- Designed to Comply with ISO9001&CE&EPA;
- Every generator set is subjected to a comprehensive test program which includes 50% load, 75% load,100% load, 110% load and the checking and proving of all control and safety shut-down functions;

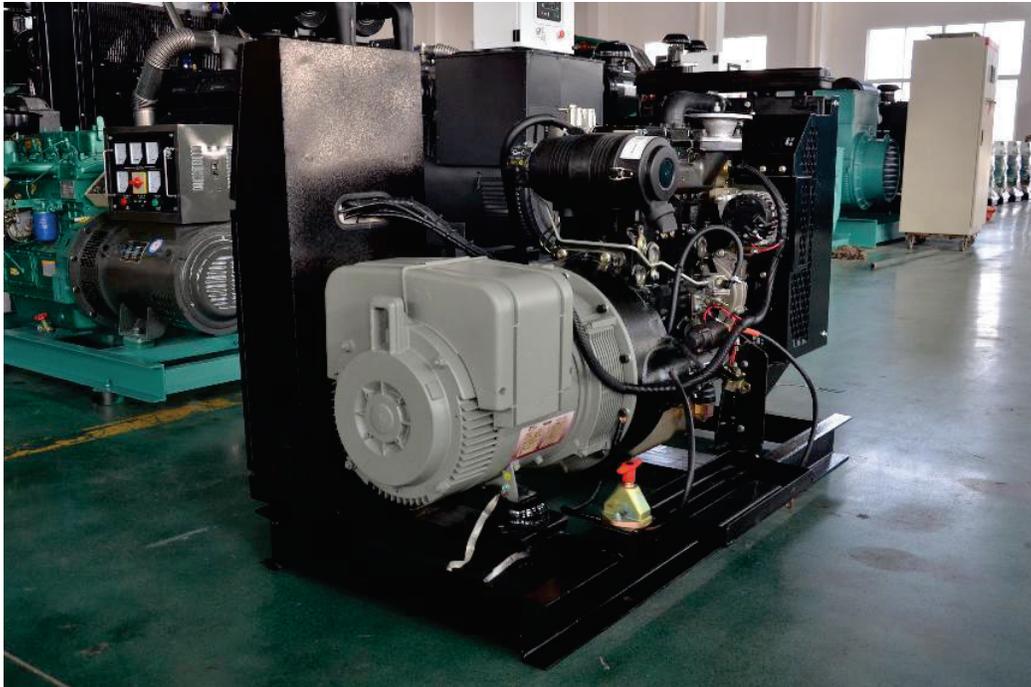
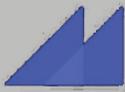
GENSET POWER						
Voltage	Hz	Phase	Power Factor	Current	Standby Power	Prime Power
220V	60HZ	2	1	90 A	24KW	20KW

WEIGHT AND DIEMENSIONS

Size of Genset Open Type	1500*730*950mm
Weight of Genset OpenType	500KG







WEIGHT AND DIEMENSIONS

Size of Genset Silent Type	2000*850*1180mm(The Silent canopy color can be customized)
Weight of Genset Silent Type	1050KGS with 50L base fuel tank(Keep Runing for 8 hours)





ENGINE DATA	
Manufacturer/Model	Perkins 404D-22G
No. Of Cylinder	4Cylinders type
Cycle	4 Stroke
Aspiration	Naturally Aspirated
Combustion System	direct Injection
Bore×Stroke	84mm x100mm
Displacement	2.216L
Prime Power/Speed	20KW @ 1800rpm
Standby Power/Speed	24KW @ 1800rpm
Speed Governor	Mechanical
Cooling System	Forced water cooling cycle
Steady speed droop	≤1%
Starter Motor	DC24V



FUEL SYSTEM	
Fuel Type	Diesel
Fuel Consumption at 100% Load	224gram/kw.h

LUBE OIL SYSTEM	
Total lubrication system capacity	10.6L
Lube Oil Type	CD15W Class and Above

COOLANT SYSTEM	
Total Coolant Capacity	8 L
Max Water Temperature	104°C
Thermostat	82-95°C

ALTERNATOR DATA	
Manufacturer / Model	Wetech WT184E / Stamford PI144E
Prime power	22KW
Frequency/speed	60HZ/1800rpm
Exciter type	Brushless, Self-excited
Power factor	1
Voltage adjust range	≥5%
Insulation Grade	H
Pole No.	4
Protection Grade	IP23
Phase / wire	2 phase 3wires

CONTROL PANEL
Smartgen HGM6120N

The control module gives digital readouts of:

- Generator voltage;
- Output frequency;
- Engine speed;
- Battery voltage;
- Engine hours run.

The control module has indicators for failure information:

- Over speed/Low speed,
- Emergency stop
- Low oil pressure;
- High water temperature
- Failure to start
- Battery charger failure

Automatic shutdown occurs under:

- Low engine oil pressure;
- High engine water temperature;
- Over speed/Low speed;
- Failure to start after three attempts.



STANDARD ACCESSORIES	Open type	Close type
Sound-proof & Weather-proof Canopy	N/A	√
Daily base fuel tank. 8 hours capacity	N/A	√
Single-bearing generator again drops	√	√
Intelligent LED display control panel	√	√
Speed governor	√	√
Electric start and 24v charger	√	√
Standard air filter, oil filter, fuel filter	√	√
Cooling water tank	√	√
High-efficient silencer.	√	√
Exhaust elbow	√	√
Storage battery	√	√
Steel base-frame against vibration	√	√
Soft pipe for fuel and handle for lube going-out	√	√
Operation& Maintenance manual.	√	√

Present by Eaton power