



DESIGN SPECIFICATIONS

√High quality,reliable,long life and complete power unit. √ compact design.

VEasy start and maintenance possibility.

VEvery generating set is subject to a comprehensive test programme which includes full load testing and checking and proving of all control and safety shut down functions testing.

PW-1250T6 powered by:

4012-46TWG2A

4012-46TWG2A		√Fully engineered with a wide range o accessories:Electrical,mechanical,so		
Diesel Genset Features P.F=0.8 3Phase		P.F=0.8 3Phase		
enerating Set Performance 60Hz		z		
Service		P.R.P	Standby	
Rated output	kVA	1250	1375	
Active power output %	kW	1000	1100	
Rated Speed	r.p.m	1800	1800	
Standard Voltage	V	400/230		
Voltage available	V	V 380/220-400/230 - 416/240 - 4	40/254 - 460/265 - 600/346 V	

wer reduction acc.to DIN ISO 3046 Standard values: Above 100m ALT approx.1% per 100m. Above 25°C(77°F) approx.4% per 10°C(50°F).

erforemance data refer to Standard Reference Conditions of ISO 8528:+25°C,100m ALT,relative humidity 30%

Considering cos phi=0.8

Prime Mover Performance		1800 r.p.m				
SERVICE		P.R.P	Standby			
Rated output	KW	1106	1217			
Manufacturer		Perkins				
Model		4012-46TWG2A				
4 stroke Diesel Engine - Injection type		Direct				
Aspiration type		turbocharged				
Cylinders,number and arrangement		12-V				
Bore×Stroke	mm	160X190				
Total Displacement	L	45.482				
Cooling system			Water			
Lube oil specifications		API (CG4 15W/40			
Compression ratio			13:1			
Specific fuel consumption(P.R.P)	L/h	266.0				
Specific oil consumption(at full load)	%	0.7				
Total coolant capacity	L	201				
Speed governor	Туре	Electronic				

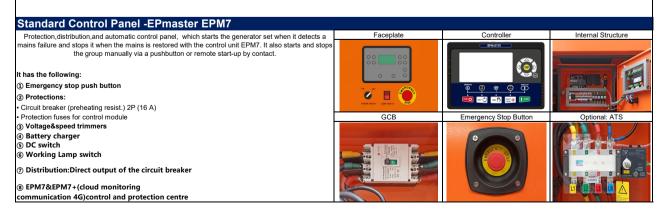
P.R.P. Prime Power - ISO 8528:PRIME POWER is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The rmissible average power output during a 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

2)Max Standby power -ISO 3046 Fuel Stop power:Power available for use at variable loads for limited annual time (500h), within the following limits of maximum operating time: 100% load 25h per year ,90% load 20h per year.

Synchronous Generator		
Manufacturer		Guericke
Model		GRK 1000G4
Rated output		1000
Poles	num	4
Winding Conections (standard)		Star-serie
Insulation	class	Н
Enclosure(according to IEC-34-5)		IP23
Phases		3+N
Votage Regulaors		A.V.R (PMG MX341)
Steady voltage precision		within±1.5% from no load to full loading with cosΦ=0.8-1.0

* Alternator used by GTL Gensets meet the requirements of following Standard:BS5000,VDE0530,NEMA MG1-32,IEC34,CA C22.2-100,AS1359

Generationg Set Installation Data		1800 r.p.m
EXHAUST SYSTEM		
Exhaust Gas Temperature at full load	°C	430
Exhaust Gas Temperature at full load	°F	806
Exhaust gas flow	L/s	3916.7
Maximum allowed back pressure	Кра	5
AIR REQUIREMENT		
Air requirement for combustion at 100% load/rated speed	L/s	1816.7
	ft3/min(CFM)	3847.1
ELECTRIC STARTING SYSTEM		
Starting motor output	kw	16.4
Minimum Recommended Battery Capacity-Cold Soak @ 32°F (to 0°C)	CCA	1600
Standard Battery Charging System	A	40
Auxiliary voltage	V	24
LUBRICATION SYSTEM		
Lube oil system including sump,filters,etc.	L	177



EPmaster EPM7

READINGS that can be made:	•Protection of the engine and alternator, with the ALARMS activated:		Other charact	teristics:		
Engine :cooling temperature/oil pressure/revolution speed (rpm)/fuel level/battery voltage/battery alternator voltage/o perating hours/number of start	Engine : low oil pressure/high coolant temperature/lo gh battery Voltage./failure of the alternator to charge /Low fuel level.	batteries (Event log, real-time clock, sche (can be set as start genset onc m 99 event logs can be memor		a day/week/month whether with load or not). Maximu	
Alterator : voltages between phases and between phases and neutral/frequency/phase sequence	<u>Alterator:</u> /ow and high voltage/low and high frequen oad /short-circuit/			e function. Types (date or running time) can be optional and actions shutdown) can be set when maintenance time out.		
<u>Mains:</u> frequency/voltages between phases and between ohases and neutral (L1-N, L2-N,L3-N)/voltages between ohases and (L1-L2, L2-L3, L1-L3)/phase sequence	Mains: over and under voltage and loss of phase	r t	Equipped with CANBUS port and can communicate with J1939 enginet. No monitor frequently-used data (such as water temperature, oil pressure, speed, fuel consumption and so on) of ECU mac so control starting up, shutdown, raising speed and speed droop via CANBU		h as water fuel consumption and so on) of ECU machine, but	
	•Control of the set:	(RS485 communication interface enables "Three remote" functions (remote control, remote measuring and remote communication) according to S protocol.			
	STARTS and STOPS the set AUTOMATICALLY who failure is detected and when it is restored, respective also operate MANUALLY and Auto Transfer Switch	en mains ely.lt can	S protocol. Parameter setting: parameters can be modified and stored in internal FLASH and cannot be lost even in case of power outage; most of them can be adjus ront panel of the controller and also can be modified using PC via USB or RS		f power outage; most of them can be adjusted using	
Standard Configuration & Option						
Item	Standard			Option		
	Standard air filter			Heavy duty air	filter	
	Standard an inter			Air intake shutoff valve chalwin type		
	Standard oil filter			Intake air heater		
	Low coolant level sensor			Oil temperature sensor		
	Exhaust gases compensator		Diesel-powered heater			
	24V Electrical system			Engine water heater		
Engine	Radiator with bloweing fan		Engine water n			
	-					
	Electronic governor					
	Sender WT Sender OP					
	Sender OP Hot components and radiator guards					
	Mobile components quards					
	Self-excited and Self-regulated			Air inlet filter		
	-			IP44/IP54/IP55		
	IP23 protection degree			Space heater/anti-condensation heater		
Alternator	Insulation H class					
				Environment protection		
			Temperature detectors			
	Detter indeter with		Parallel operation			
	Battery isolator switch		Distribution board with sockets kit and power busbar			
	3 poles circuit breaker		4 poles circuit breaker			
Electrical system	Door opening alarm			Adjustable ELCB (Earth Fault)		
	Battery charger 220-240V			Grouding rod		
				ATS		
	Water separator filter			Diverter valve kit for external fuel tank		
	Low fuel level alarm			Automatic fuel	refilling kit	
Accessories	Oil extraction pump			Trailer		
	Tool kit for maintenance		Residential silencer			
	Voltage/Speed potentiometer		Electric engine fuel heater			
	No Expansion tank			Expansion tank	for coolant water	
Generating Set transport data						
Dimensions(Open Skid Type) With Stand						
		All Size				
	Over Length Height	h		mm mm	4650 2100	

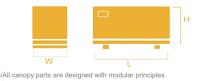
Shipping Volume

Dry Weight Fuel Tank Capacity



√The complete gen-set is mounted on whole on a heavy-duty fabricated,steel base frame. √ Antivibration pads are fixed between the engine/ alternator feet and the base frame ; √ Base frame design incorporates an integral fuel tank. √ The generating set can be lifted or carefully pushed / pulled by the base frame; Ublal type fuel gauge and drain plug on the fuel tank; √ Forklift pockets within base frame (up to 500kVA);

Dimensions(Silent Type) With Standard Fuel Tank



Over All Size			
Length	mm	12192	
Height	mm	2438	
Width	mm	2895	
Shipping Volume	m3	86.05	
Dry Weight	Kg	18500	
Fuel Tank Capacity	L	1300	

m3

Kg

Vali canopy parts are designed with modular principles. √ Without welding assembly √ All metal canopy parts are painted by electrostatic polyester powder paint. √Doors on each side √Thermally insulated engine exhaust system.

✓Emergency stop push button outside of canopy. ✓Easy maintenance and operation.



ISO 9001



25.88

9050

1500

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