

CCW-938T6 powered by:



DESIGN SPECIFICATIONS

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

VHigh quality,reliable,long line and complete period dissipance design.
√Casy start and maintenance possibility.
√Every 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

Indications testing.
√Fully engineered with a wide range of options and accessories:Electrical,mechanical, soundproof canopy and mobile units

Diesel Genset Features		P.F=0.8 3P	hase
Generating Set Performance		60H	lz
Service		Prime Power	Standby Power
Rated output	kVA	938	1038
Active power output **	kW	750	830
Rated Speed	r.p.m	180	0
Standard Voltage	V	380/2	220
Voltage available	V	480/277-460/265 - 440/254-416/	240-240/139-220/127-208/120

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

Power 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).

Prime Mover Performance		1800 r.p	.m
SERVICE		Prime Power	Standby Power
Rated output	KW	P.R.P	Standby
Manufacturer		830	920
Model		Cumm	nins
4 stroke Diesel Engine - Injection type		Direc	ct
Aspiration type		Turbocharged8	Aftercooled
Cylinders,number and arrangement		12 -	V
Bore×Stroke	mm	159X1	159
Total Displacement	L	38	
Cooling system		Wate	er
Lube oil specifications		N.A	
Compression ratio		14.5	:1
Specific fuel consumption(P.R.P)	L/h	205.8	37
Specific oil consumption(at full load)	%	<0.	1
Total coolant capacity	L	238.	8
Speed governor	Туре	Direct Injection C	ummins PT(E)

(i) 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 permissible average power output during a 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

@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 200h per year. No overload available. Applicable in case of failure of the main in areas of reliable electrical network.

Synchronous Generator		1800 r.p.m
Manufacturer		Guericke
Model		GRK728G4
Rated output	KW	728
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±1.0% from no load to full loading with cosΦ=0.8-1.0

Generationg Set Installation Data EXHAUST SYSTEM

Exhaust Gas Temperature at full load	${\mathbb C}$	485
Exhaust Gas remperature at full load	°F	905
Exhaust gas flow	L/s	3290
Maximum allowed back pressure	Кра	10
AIR REQUIREMENT		
Ai	L/s	1251
Air requirement for combustion at 100% load/rated speed	ft3/min(CFM)	2649.2
ELECTRIC STARTING SYSTEM		
Battary Recharge System, Negative ground	A	35
Minimum Recommended Battery Capacity cold soak at -18 to 0 deg C	CCA	1800
Auxiliary voltage	V	24
LUBRICATION SYSTEM		
Lube oil system including sumn filters etc		135.1

Standard Control Panel -EPmaster EPM7

Protection, distribution, and automatic control panel, which starts the generator set when it detects a mains failure and stops it when the mains is restored with the control unit EPM7. It also starts and stops the group manually via a pushbutton or remote start-up by contact.

It has the following:

1 Emergency stop push button

② Protections:

Circuit breaker (preheating resist.) 2P (16 A)

Protection fuses for control module

③ Voltage&speed trimmers Battery charger

⑤ DC switch

Working Lamp switch

① Distribution:Direct output of the circuit breaker

®EPM7& EPM7+(cloud monitoring communication 4G)control

and protection centre EPmaster EPM7

Internal Structure Faceplate Controller

1800 r.p.m

It has a digital LCD screen, which provides easy reading of the information regarding the Engine, Alterator, Mains and Charging, The controller meets all requirements for Auto Mains Failure (AMF) applications including remote communication and internet control,user configuration and complete genset monitoring and protection.

ency/phase sequence circuit/ (never, warning, or shutdown) can be se **Mains:* frequency/voltages between phases and between phases and neutr al (L1-N, L2-N, L3-N)/voltages between **Mains:* over and under voltage and loss of phase circuit/ **Mains:* over and under voltage	
Languae: cooling temperature/oil pressure/revolution speed (rpm)/fuel level/b attery voltage/battery alternator voltage/operating hours/number of start Alterator: voltages between phases and between phases and neutral/frequency/phase sequence Alterator: ow and high voltages/low and high frequency/overload /short-circuit/ With maintenance function. Types (date (never, warning, or shutdown) can be set Alterator: ow and high voltages/low and high frequency/overload /short-circuit/ With maintenance function. Types (date (never, warning, or shutdown) can be set Alterator: ow and high voltages/low and high frequency/overload /short-circuit/ With maintenance function. Types (date (never, warning, or shutdown) can be set Alterator: ow and high voltages/low and high frequency/overload /short-circuit/ With maintenance function and the prevention of the alternator to charge batteries/Low fuel level. With maintenance function and the prevention of the alternator to charge batteries/Low fuel level. With maintenance function and the prevention of the alternator to charge batteries/Low fuel level.	
ency/phase sequence circuit/ (never, warning, or shutdown) can be se **Mains:* frequency/voltages between phases and between phases and neutral (L1-N, L2-N,L3-N)/voltages between **Equipped with CANBUS port and can comonitor frequently-used data (such as warning). **Equipped with CANBUS port and can comonitor frequently-used data (such as warning).	week/month whether with load or not).
al (L1-N, L2-N,L3-N)/voltages between Mains: over and under voltage and loss of phase monitor frequently-used data (such as w	e or running time) can be optional and actions set when maintenance time out.
also control starting up, shutdown, raisin	communicate with J1939 enginet. Not only can water consumption and so on) of ECU machine, but ng speed and speed droop via CANBUS port
	es "Three remote" functions (remote control, inication) according to MODBUS protocol.
	modified and stored in internal FLASH memor wer outage; most of them can be adjusted also can be modified using PC via USB or
Standard Configuration & Option	
Item Standard Option	
Standard air filter Heavy duty air filter	

tem	Standard	Option
	Standard air filter	Heavy duty air filter
	Standard fuel filter	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	
	Electronic governor	
	Sender WT	
	Sender OP	
	Hot components and radiator guards	
	Mobile components guards	
Alternator	Self-excited and Self-regulated	Air inlet filter
	IP23 protection degree	IP44/IP54/IP55
	Insulation H class	Space heater/anti-condensation heater
		Environment protection
		Temperature detectors
		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 Standard Fuel Tank

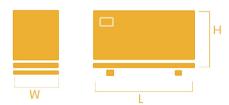


- √The complete gen-set is mounted on whole on a heavy-duty fabricated,steel base frame.
- $\sqrt{}$ Antivibration pads are fixed between the engine/ alternator feet and the base frame ;
- $\sqrt{}$ Base frame design incorporates an integral fuel tank. $\sqrt{}$ The generating set can be lifted or carefully pushed / pulled by the base frame;
- √Dial type fuel gauge and drain plug on the fuel tank;

Over All Size

Length	mm	4400
Width	mm	1700
Height	mm	2550
Shipping Volume	m3	19.08
Dry Weight	Kg	7250
Fuel Tank Capacity	L	1800

Dimensions(Silent Type) With Standard Fuel Tank



- VAII 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.

Over All Size

Length	mm	5800
Width	mm	2200
Height	mm	2550
Shipping Volume	m3	32.54
Dry Weight	Kg	8700
Fuel Tank Capacity		1800



