



SERVICE		PRP / DCP	ESP
POWER	kVA	2500	2750
POWER	kW	2000	2200
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/132 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	



HEAVY RANGE

Guangdong Power Limited (G-Power) is ISO 9001 certified.

G-Power generator sets are CE compliant and conform to the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2012/46/EU)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Prime Power (PRP):

According to ISO 8528-1:2018, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP. By manufacturer's instructions, maximum operation of 500 h per year.

Emergency Standby Power (ESP):

According to ISO 8528-1:2018, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

Data Center Power (DCP) : Complies with Uptime Institute: Tier III & IV. The manufacturer declares a load factor for grid failure of 100% per 24h and an average load factor per year less than 75%. No overload margin available. It can be operated for an unlimited number of hours per year. Applicable in countries with stable network. If the model is for DCC application, inform Factory.

G2 class load acceptance in accordance with ISO 8528-5:2013



OPEN SKID



OPEN SKID



WATER-COOLED



THREE PHASE



50 HZ



DIESEL



Engine Specifications | 1.500 r.p.m.

Rated Output (PRP) / DCP	kW	2109
Rated Output (ESP)	kW	2330
Manufacturer	G Power	
Model	QTA5400G1	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	Turbocharged and after-cooled	
Number of cylinders and arrangement	16-V	
Bore and Stroke	mm	170 x 220
Displacement	L	79,9
Cooling System	Coolant	
Lube Oil Specifications	API CF, SAE 15W40	
Compression Ratio	14,0:1	

Fuel Consumption ESP	l/h	593,1
Fuel Consumption 100% PRP	l/h	533,8
Fuel Consumption 75 % PRP	l/h	394,5
Fuel Consumption 50 % PRP	l/h	268,2
Fuel Consumption 25 % PRP	l/h	142,7
Total oil capacity including tubes, filters	L	290
Total coolant capacity	L	874
Heat dissipated by coolant	kW	865
Governor	Type	Electrical
Air Filter	Type	Dry



- Oil temperature sensor
- Low coolant level sensor
- Exhaust gas compensator
- Diesel engine
- 4-stroke cycle
- Water-cooled
- 24V electrical system
- Standard air filter
- Standard fuel filter
- Standard oil filter
- Radiator with pusher fan
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection



Generator Specifications | MARATHON

Manufacturer	Marathon	
Model	MXL-2000-4	
Poles	No.	4
Connection type (standard)	Star - Parallel	
Mounting type	S-00 21"	
Insulation	Class	H class

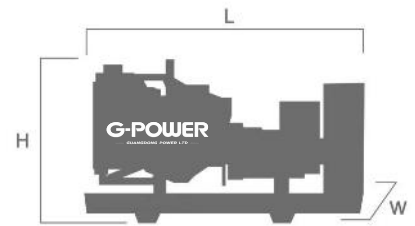
Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Double drive-shaft
Coupling system	Elastic Coupling
Coating type	Standard (Vacuum impregnation)



- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	6.510
Height (H)	mm	3.540
Width (W)	mm	2.300
Maximum shipping volume	m ³	53
Weight with liquids in radiator and sump	Kg	18600
Autonomy	Hours	Ask



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	511
Exhaust Gas Flow	m ³ /min	562
Maximum allowed back pressure	mm H ₂ O	600
Heat dissipated by exhaust pipe	KCal/Kwh	673,3

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	12720
Cooling Air Flow	m ³ /s	41,5
Alternator fan air flow	m ³ /s	2,25

STARTING SYSTEM

Starting power	kW	7,5 x 2
Starting power	CV	10,2 x 2
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Maximum power suction pump	mm Hg	75
Maximum return feed pump	mm Hg	150



Open set version

- Steel chassis
- Emergency stop button
- Oil sump extraction kit
- Anti-vibration shock absorbers