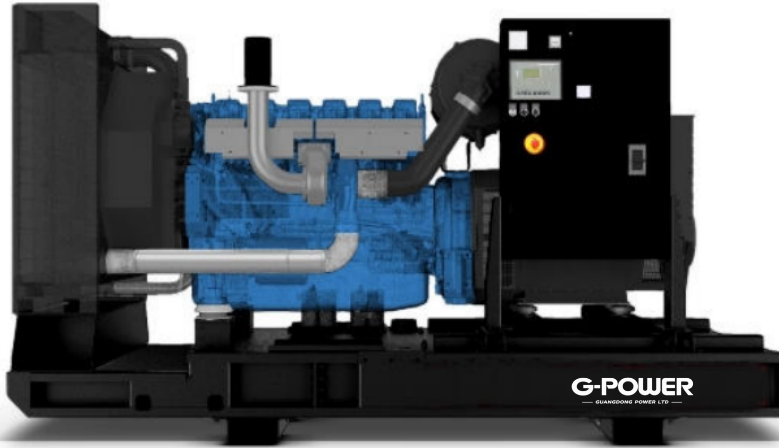




SERVICE		PRP	ESP
POWER	kVA	300	330
POWER	kW	240	264
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/132 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	



SILENT PLUS

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.

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

Continuous Power (COP): According to Standard ISO 8528-1:2018, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.

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



SILENT PLUS

- G1R'** G1R +
- WATER-COOLED
- T** THREE PHASE
- 50 Hz** 50 HZ
- STAGE 3A
- DIESEL



Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	262
Rated Output (ESP)	kW	292
Manufacturer	G Power	
Model	C87TE4F	
Engine Type	4-stroke diesel	
Injection Type	Direct, common rail	
Aspiration Type	Turbocharged and after-cooled	
Number of cylinders and arrangement	6-L	
Bore and Stroke	mm	117 x 135
Displacement	L	8,7
Cooling System	Coolant	
Lube Oil Specifications	ACEA E3 - E5	
Compression Ratio	16,5:1	

Fuel Consumption ESP	l/h	74,5
Fuel Consumption 100% PRP	l/h	68,6
Fuel Consumption 80 % PRP	l/h	55,6
Fuel Consumption 50 % PRP	l/h	35,6
Total oil capacity including tubes, filters	L	28
Total coolant capacity	L	63
Heat dissipated by coolant	kW	120
Governor	Type	Electrical
Air Filter	Type	Dry

- 
- Diesel engine
 - Water-cooled
 - 24V electrical system
 - Water separator filter (no visible level)
 - Dry air filter
 - Radiator with pusher fan
 - HTW sender
 - LOP sender
 - Electronic governor
 - Hot parts protection
 - Moving parts protection



Generator Specifications | MECC ALTE

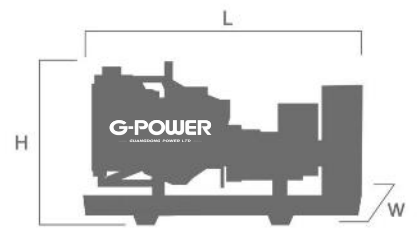
Manufacturer	MECC ALTE	
Model	ECO38 2L/4 A	
Poles	No.	4
Connection type (standard)	Star-series	
Mounting type	S-1 14"	
Insulation	Class	H class

Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
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	3.000
Height (H)	mm	1.720
Width (W)	mm	1.160
Maximum shipping volume	m³	5,99
Weight with liquids in radiator and sump	Kg	2490
Fuel tank capacity	L	449
Autonomy (100% ESP)	Hours	6



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	550
Exhaust Gas Flow	m³/min	58,2
Maximum allowed back pressure	mbar	110

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	0,35
Cooling Air Flow	m³/s	7,5
Alternator fan air flow	m³/s	0,83

FUEL CONSUMPTION

Fuel Consumption ESP	l/h	78,17
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FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Maximum power suction pump	mm Hg	375
Maximum return feed pump	mm Hg	375
Fuel Tank	L	449

STARTING SYSTEM

Starting power	kW	8,5
Starting power	CV	11,56
Recommended battery	Ah	44 x 2
Auxiliary Voltage	Vdc	24



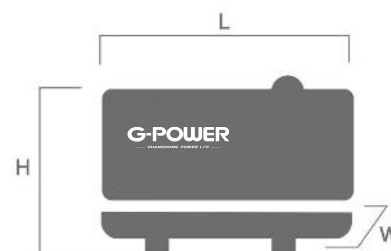
Open set version

- Steel chassis
 - Emergency stop button
 - Anti-vibration shock absorbers
- Chassis with integrated fuel tank
 - Fuel level gauge
 - Fuel tank drain plug
- Steel industrial silencer -15db(A) attenuation
 - Fuel transfer pump (Opcional).
 - Steel residential silencer -35db(A) attenuation. (Opcional).

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	4.200
Height (H)	mm	2.665
Width (W)	mm	1.650
Maximum shipping volume	m ³	18,47
Weight with liquids in radiator and sump	Kg	5060
Fuel tank capacity	L	1660
Autonomy	Hours	30
Sound pressure level	dB(A)@7m	64 ± 2,4

Steel tank



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	511
Exhaust Gas Flow	kg/s	0,43
Maximum allowed back pressure	kPa	10
Exhaust Flange Size (external diameter)	mm	140
Heat dissipated by exhaust pipe	kW	218

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	1240
Cooling Air Flow	m ³ /s	5,14
Alternator fan air flow	m ³ /s	0,533

STARTING SYSTEM

Starting power	kW	4,5
Starting power	CV	6,12
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Fuel Tank	L	1.660



Soundproofed version

- Steel chassis
- Manhole to fill the radiator
- Pre-installation or niche to house the quick connection hydraulic fittings for fuel transfer
- Anti-leakage chassis, predisposed to retain liquids (retention tray)
- High capacity fuel tank, with contention base and easy external filling
- Manhole for fuel tank cleaning and drainage
- Manhole for chassis cleaning
- Oversized chassis to protect the bodywork
- Slide carriage and brackets for transportation with forklift
- Tilting cap in the exhaust
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- Bodywork made from high quality steel plate
- High mechanical strength
- Low noise emissions level
- Soundproofing provided by high-density volcanic rock wool
- Epoxy polyester powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Reinforced lifting hooks for crane hoisting
- Steel residential silencer -35db(A) attenuation.
- Oil sump extraction kit
- External filling of the fuel tank with safety key
- Emergency stop button (double emergency stop protection: Interior on the panel + Exterior on the bodywork)
- Mechanized for power cable output
- Door with window to visualize control panel, alarms and measurements
- Pressure locks
- IP Protection according to ISO 8528-13:2016
- 3 way valve for external fuel supply (available in 1/2" and 3/8" fittings) (Optional).
- Fuel transfer pump (Optional).