

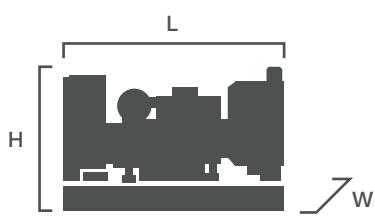


General Performance Data

Engine	Brand	Cummins	
	Model	6BTAA5.9G12	
Control module	Deep Sea 6020		
Starting voltage	V	24	
Frequency	Hz	50	
Number of phases		3	

	Prime	Standby
Power kVA	150	165
Power kW	120	132
Rated speed	r.p.m	1500
Standard voltage	V	400
Available voltages	V	380/220 415/240
Power factor	Cos Phi	0.8

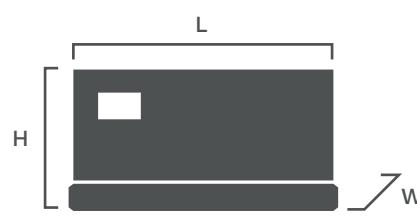
Open



Dimension

Length (L)	mm	2300
Height (H)	mm	1595
Width (W)	mm	1022
Weight	Kg	1270
Fuel Tank	L	270

Silent



Dimension

Length (L)	mm	3600
Height (H)	mm	1950
Width (W)	mm	1165
Weight	Kg	2070
Fuel Tank	L	330

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	38.0
100% Prime	0000	34.0
75% Prime	0000	26.0
50% Prime	0000	17.0
25% Prime	0000	0000

Standards Followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE

General Engine Data

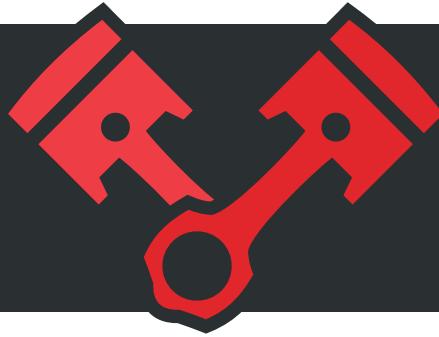
Engine brand	Cummins	
Engine ref.	6BTAA5.9G12	
Engine type	4-stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	Turbocharged and Charge Air Cooled	
Number of cylinders and arrangement	6- L	
Bore and stroke	mm	102 -120

Displacement	L	5.9
Cooling system		Water - cooled
Lube oil consumption with full load		0.5%-1% of fuel consumption
Compression ratio		17.3:1
Engine oil capacity	L	16.4
Total coolant capacity	L	26.4
Air filter	Type	Dry

Diesel engine	Dry air filter
4-stroke cycle	Radiator with pusher fan
Water-cooled	Electronic governor
12V electrical system	Hot parts protection
Water separator filter	Moving parts protection

Optionals

- Water jacked heater
- Radiator water level sensor
- Oil heater
- Heavy duty air filter



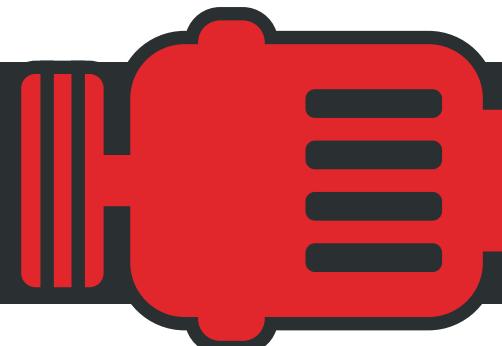
Alternator Specifications

Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-serie
Insulation	H class
Enclosure (according IEC-34-5)	IP23

Excitation system	Self-excited, brushless
Voltage regulator	CumminsAVR (Electronic)
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

Optionals

- Self-excited and self-regulated
- IP23 protection
- H class insulation
- Alternator pre-heater
- Winding temp. measuring instrument
- PMG / AREP / MAUX



Generador Standard

Application Data

Fuel system	Open	Silent	Exhaust system
Fuel oil specifications		Diesel	Maximum exhaust temperature
Standard fuel tank capacity	L	270	°C
		330	507
Air system			Exhaust gas flow
Intake air flow	L/s	150	L/s
Cooling air flow	m ³ /s	TBD	Maximum allowed back pressure
			kPa
			10
Starting system			
Starting power		kW	4.5
Recommended battery		Ah	TBD
Number of batteries			2
Auxiliary voltage		Vdc	24

Genset version

Steel chassis	High mechanical strength
Emergency stop button	Epoxy polyester powder coating
Anti-vibration shock absorbers	Fuel tank drain plug
Chassis with integrated fuel tank	Steel residential silencer - 20dbA attenuation
Fuel level gauge	Battery charger

Options

Trailer type



Water-cooled



Three phase



50 Hz



Diesel



Stackable canopy

Power definition

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1.

The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. Overload is not allowed.

Standard reference conditions

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

Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing.

Features of the control panel	Basic Model (Standard)	Advanced Model (Optional)
Voltage between phases	o	o
Voltage between neutral and phase	o	o
Current intensities	o	o
Frequency	o	o
Apparent power (kVA)	o	o
Active power (kW)	o	o
Reactive power (kVAr)	o	o
Power factor	o	o
Voltage between phases	o	o
Emergency stop	o	o
Binary inputs	6/6	7/7
Analog inputs	3	3
2x10A Current outputs	o	-
I/O Configuration	o/o	o/o
D+ Function	o	o
Speed sensor	o	o
Amf/Mrs	o/o	o/o
GCB/MCB	o/o	o/o
3ph voltage measurement Gen./Mains	o/o	o/o
3ph current measurement	o	o
kW / kWh / kVA	o	o
Engine reading	o	o
Engine protection	o	o
Alternator protection	o	o
Earth current protection	-	*
History file	150	350
RTC/Battery	o/-	o/o
PLC	-	-
4G	*	-
Airgate	-	*
ECU CAN	o	o
MODBUS	*	*
MODBUS IP	*	*
SNMP	-	*
SNMP TRAPS	-	-
RS232	*	*
RS485	*	*
GSM/GPRS modem	*	*
Remote screen	*	*
Software for PC	*	*

Standard: o

Optional: x

Not Available: -