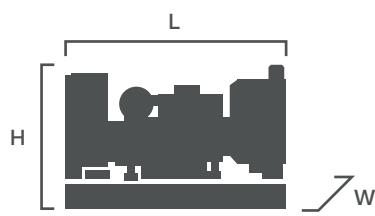


## General Performance Data

Engine	Brand	CUMMINS	
	Model	4BT3.9G2	
Control module	Deep Sea 6020		
Starting voltage	V	12	
Frequency	Hz	50	
Number of phases		3	

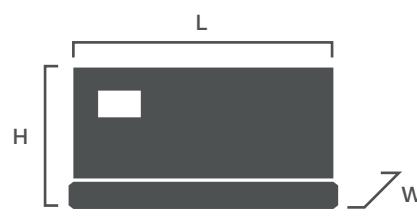
### Open



### Dimension

Length (L)	mm	1800
Height (H)	mm	990
Width (W)	mm	1465
Weight	Kg	963
Fuel Tank	L	140

### Silent



### Dimension

Length (L)	mm	2300
Height (H)	mm	955
Width (W)	mm	1250
Weight	Kg	1050
Fuel Tank	L	70

## Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	10.3
100% Prime	0000	9.3
75% Prime	0000	7.3
50% Prime	0000	5.3
25% Prime	0000	N/D

## Standards Followed

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

## General Engine Data

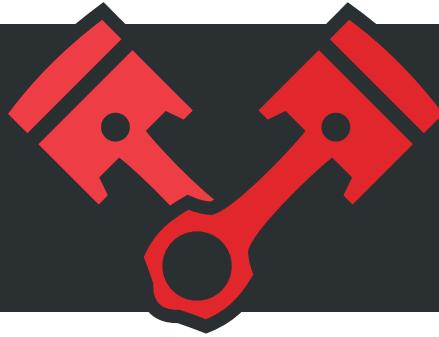
Engine brand	CUMMINS	
Engine ref.	ABT3.9G2	
Engine type	4-stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	TURBOCHARGED	
Number of cylinders and arrangement	4-L	
Bore and stroke	mm	102 * 120

Displacement	L	3.9
Cooling system		Water-cooled
Lube oil consumption with full load	0.5% 1%	of fuel
Compression ratio		18.0:1
Engine oil capacity	L	10.9
Total coolant capacity	L	19
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



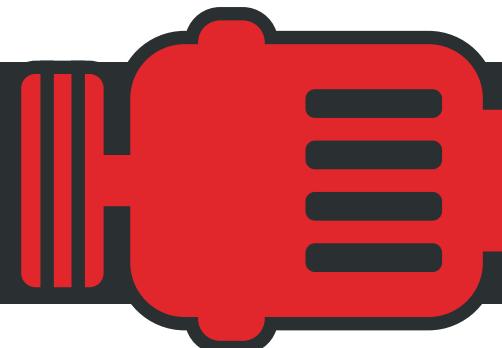
## Alternator Specifications

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-Exited, brushless
Voltage regulator	AVR (electronic)
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (vacuum-impregnation)

### Optionals

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



## Generador Standard

## Application Data

Fuel system	Open	Silent	Exhaust system	
Fuel oil specifications		Diesel	Maximum exhaust temperature	°C 487
Standard fuel tank capacity	L 140	70	Exhaust gas flow	L/s 108
			Maximum allowed back pressure	kPa 10
Air system			Starting system	
Intake air flow	L/s 45		Starting power	kW 3.7
Cooling air flow	m <sup>3</sup> /s 1.384		Recommended battery	Ah 60
			Number of batteries	2
			Auxiliary voltage	Vdc 24V

## 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
3ph voltage measurement Gen./Mains	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	o	o
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: -