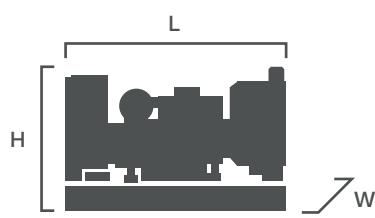




General Performance Data

			Prime	Standby
Engine	Brand	Cummins		
	Model	4BTA3.9G11		
Control module		Deep Sea 6020		
Starting voltage	V	24		
Frequency	Hz	50		
Number of phases		3		
Power kVA		80	88	
Power kW		64	70	
Rated speed	r.p.m		1500	
Standard voltage	V	400	230	
Available voltages	V	380/220	415/240	
Power factor	Cos Phi		0.8	

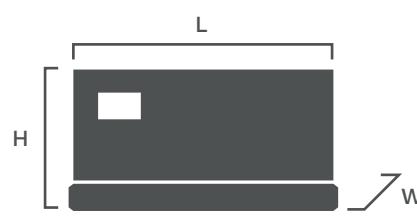
Open



Dimension

Length (L)	mm	1800
Height (H)	mm	1465
Width (W)	mm	902
Weight	Kg	930
Fuel Tank	L	140

Silent



Dimension

Length (L)	mm	2517
Height (H)	mm	1250
Width (W)	mm	1055
Weight	Kg	1310
Fuel Tank	L	100

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	20.0
100% Prime	0000	17.6
75% Prime	0000	13.2
50% Prime	0000	9.1
25% Prime	0000	0000

Standards Followed

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

Generador Standard

General Engine Data

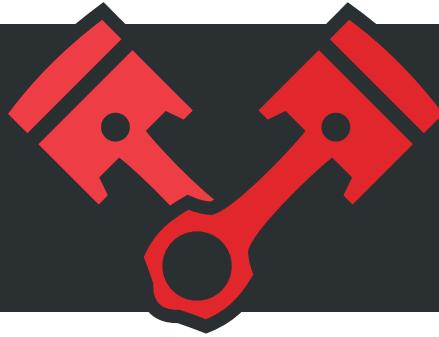
Engine brand	Cummins	
Engine ref.	4BTA3.9G11	
Engine type	4-stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	Turbocharged & Aftercooler	
Number of cylinders and arrangement	4-L	
Bore and stroke	mm	102 -120

Displacement	L	3.9
Cooling system		Water - cooled
Lube oil consumption with full load		0.5%-1% of fuel consumption
Compression ratio		17.3:1
Engine oil capacity	L	10.9
Total coolant capacity	L	21.9
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



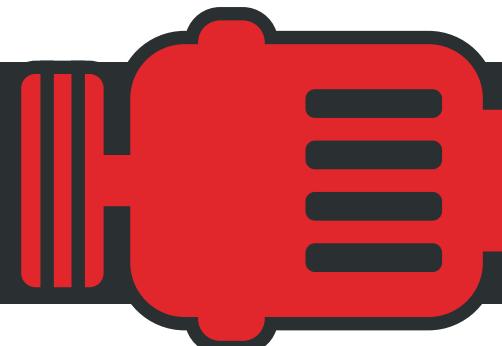
Alternator Specifications

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	140	°C
		100	548
Air system			Exhaust gas flow
Intake air flow	L/s	70	L/s
Cooling air flow	m ³ /s	2.462	Maximum allowed back pressure
			kPa
			10
Starting system			Starting power
			kW
			3.7
			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/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: -