

General Performance Data

Engine	Brand	
	Model	
Control module		Cummins
Starting voltage	V	KTA38G2A
Frequency	Hz	Deep Sea 7320
Number of phases		24

Open



Dimension	50
Length (L)	m
Height (H)	mm
Width (W)	mm
Weight	Kg 4200
Fuel Tank	L 2530

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby		1200
100% Prime		1760
75% Prime	0000	215
50% Prime	0000	191
25% Prime	0000	147
	0000	98

Generator Standard

0000	0000
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Prime Standby

Power kVA		
Power kW		
Rated speed	r.p.m	910 1000
Standard voltage	V	728 800
Available voltages	V	1500
Power factor	Cos Phi	400 230

Silent



Dimension	380/220 415/240
Length (L)	m 0.8
Height (H)	mm
Width (W)	mm
Weight	Kg 5400
Fuel Tank	L 2500

Standards Followed

	10600
ISO9001	ISO14001 1200
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE

85db@1,5m 2280

General Engine Data

Engine brand	Cummins
Engine ref.	KTA38G2A
Engine type	4-stroke diesel
Governor type	Electronic
Injection	Direct
Aspiration	Turbocharged and Aftercooled
Number of cylinders and arrangement	12-V
Bore and stroke	mm 159 X 159

Displacement	L	37.8
Cooling system	Water - cooled	
Lube oil consumption with full load	0.5%-1% of fuel consumption	
Compression ratio	14.5:1	
Engine oil capacity	L	135
Total coolant capacity	L	217
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



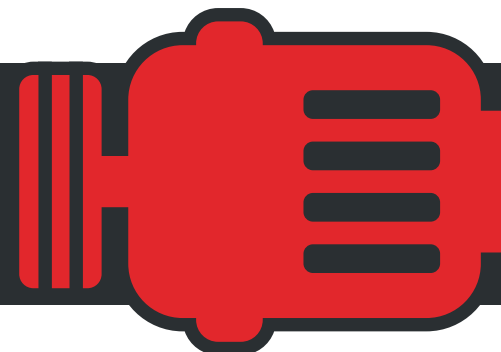
Alternator Specifications

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	TBD
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



Application Data

Fuel system	Open	Silent
Fuel oil specifications	Diesel	
Standard fuel tank capacity	L 1200	1200

Air system		
Intake air flow	L/s	1126
Cooling air flow	m ³ /s	TBD

Exhaust system		
Maximum exhaust temperature	°C	536
Exhaust gas flow	L/s	3225
Maximum allowed back pressure	kPa	10

Starting system		
Starting power	kW	8.5
Recommended battery	Ah	120
Number of batteries		2
Auxiliary voltage	Vdc	24

Genset version

Steel chasis	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

Optionals

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: -