UPCU 800

Industrial Range
Powered by Cummins

General Performance Data

Engine	Brand	Cummins
	Model	KT38-GA
Control module		Deep Sea 7320
Starting voltage	V	24
Frequency	Hz	50
Number of phases		3

		Prime	Standby
Power kVA		725	800
Power kW		580	640
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	4200
Height (H)	mm	2530
Width (W)	mm	1720
Weight	Kg	7300
Fuel Tank	L	1200

Silent
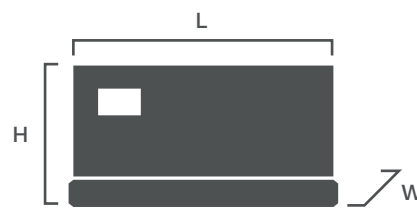
Dimension		
Length (L)	mm	5800
Height (H)	mm	2500
Width (W)	mm	2280
Weight	Kg	10300
Fuel Tank	L	1200

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	186
100% Prime	0000	152
75% Prime	0000	119
50% Prime	0000	89.2
25% Prime	0000	47.6

Standards Followed

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

General Engine Data

Engine brand		Cummins	Displacement	L	38
Engine ref.		KT38-GA	Cooling system		Water - cooled
Engine type		4-stroke diesel	Lube oil consumption with full load		0.5%-1% of fuel consumption
Governor type		Electronic	Compression ratio		14.5:1
Injection		Direct	Engine oil capacity	L	135.1
Aspiration		Turbocharged and Aftercooled	Total coolant capacity	L	212
Number of cylinders and arrangement		12- 60° Vee	Air filter	Type	Dry
Bore and stroke	mm	159 X 159			

		Optionals
Diesel engine	Dry air filter	
4-stroke cycle	Radiator with pusher fan	Water jacked heater
Water-cooled	Electronic governor	Radiator water level sensor
12V electrical system	Hot parts protection	Oil heater
Water separator filter	Moving parts protection	Heavy duty air filter

Alternator Specifications

Number of phase	3	Excitation system		Self-excited, brushless
Power factor	0.8	Voltage regulator		AVR (Electronic)
Poles	4	No. of bearings		Single bearing
Winding Connections (standard)	Star-serie	Coupling system		Flexible disc
Insulation	H class	Coating type		Standard (Vacuum impregnation)
Enclosure (according IEC-34-5)	IP23			

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

Generador Standard

UPCU 800
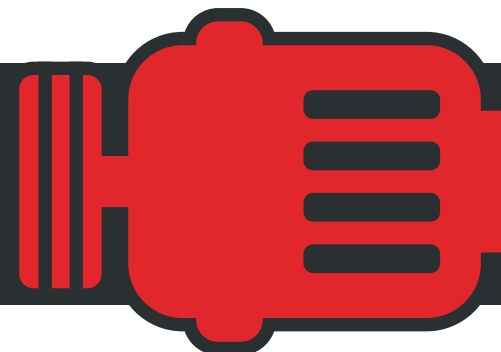
Application Data

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

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

Air system		
Intake air flow	L/s	1126
Cooling air flow	m³/s	0.96

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

Genset version

- Steel chasis
- Emergency stop button
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- High mechanical strength
- Epoxy polyester powder coating
- Fuel tank drain plug
- Steel residential silencer - 20dbA attenuation
- 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, 25ºC, 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.

Generador Standard

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: **-**

Generador Standard