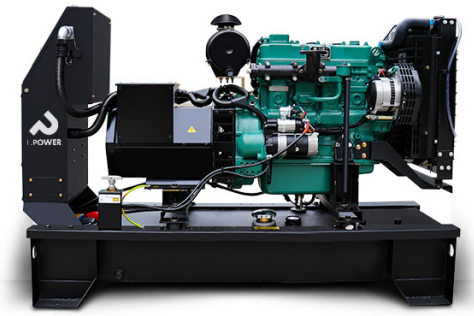
UPCU 30

Industrial Range
Powered by Cummins



General Performance Data

Engine	Brand	CUMMINS
	Model	4B3.9G2
Control module		Deep Sea 6120
Starting voltage	V	12
Frequency	Hz	50
Number of phases		3

		Prime	Standby
Power kVA		28	30
Power kW		22	24
Rated speed	r.p.m	1500	
Standard voltage	V	220	220
Available voltages	V	400	400
Power factor	Cos Phi	0.8	

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	8
100% Prime	0000	7.4
75% Prime	0000	6.1
50% Prime	0000	4.5
25% Prime	0000	N/D

Standards Followed

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

Generador Standard

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General Engine Data

Engine brand		CUMMINS
Engine ref.		4B3.9G1
Engine type		4-stroke diesel
Governor type		Electronic
Injection		Direct
Aspiration		Naturally aspirated
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	15.2
Air filter	Type	Dry

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

Optionals

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

Alternator Specifications

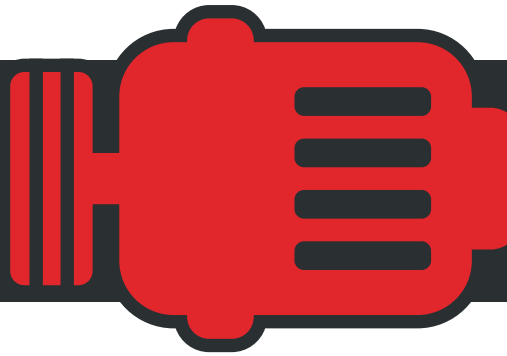
Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-serie
Insulation	H class
Enclosure (according IEC-34-5)	IP23

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

Self-excited and self-regulated
IP23 protection
H class insulation

Optionals

Alternator pre-heater
Winding temp. measuring instrument
PMG / AREP / MAUX



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Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	140	70

Exhaust system		
Maximum exhaust temperature	°C	420
Exhaust gas flow	L/s	76.5
Maximum allowed back pressure	kPa	10

Air system		
Intake air flow	L/s	34.5
Cooling air flow	m³/s	0.959

Starting system		
Starting power	kW	3.7
Recommended battery	Ah	60
Number of batteries		1
Auxiliary voltage	Vdc	24V

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, 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.

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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: -