C130P6
Powered by Cummins®

POWERZOO

GENERATOR MODEL		C130P6	
Generator specificationsl		PRP	ESP
Power	kW/kVA	104/130	116/145
Rated speed	r.p.m.	1800	
Available voltages	V	220~480	
Frequency	Hz	60	
Phase		3-PH	
Power factor	Cos φ	0.8	
Fuel cons 100%	L/H	31	
Starting power	kW	4.5	
Recommended battery	Ah	80	
Number of batteries		2	
Auxiliary voltage	VDC	24V	

Emergency Standby Power (ESP):
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utili ty source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Prime Power (PRP):
Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capabili ty is avai lable in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Continuous Power (COP):
Applicable for supplying power continuously to a constant electrical load for unlimi ted hours. Continuous Power (COP) in accordance wi th ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.

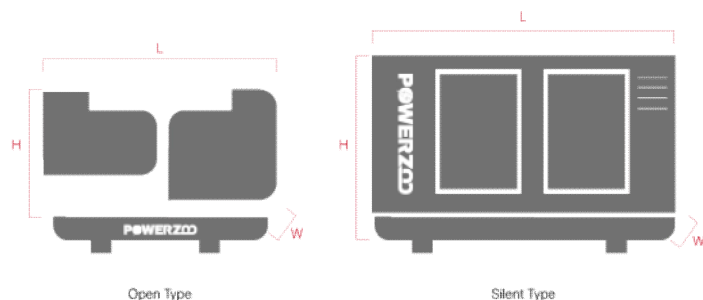Powerzoo generators are CE certified and conform to the following Directives:
•EN 12100: 2010, EN ISO 8528-13: 2016, EN 60204-1: 2018,
•EN 61000-6-2: 2019, 2006/42/CE Machinery safety
•2014/35/EU Low voltage
•2014/30/EU Electromagnetic compatibility
•Power according to ISO 8528 and ISO 3046
•Ambient reference conditions 1000 mbar, 25° C, 30% relative humidity. Information based on standard specification equipment unless otherwise stated.

60 HZ FREQUENCY · DIESEL FUEL · WATER-COOLED · SOUNDPROOF · **CE** CERTIFICATION · **QC** ISO 9001 · STACKABLE

Dimension and Weight

Open Type   Silent Type

DIMENSION		OPEN TYPE	SILENT TYPE
Length (L)	mm	2230	3012
Width (W)	mm	1100	1100
Height (H)	mm	1550	1760
Dry Weight	kg	1500	2000
Fuel tank	L	220	220

Powerzoo has the right to modify any feature without prior notice. 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. The illustrations and images are indicative and may not coincide in their entirety with the product. Industrial design under patent.

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Engine Specifications

ENGINE	Cummins®	ENGINE	Cummins®
Engine model	6BTA5.9-G2	Total lubrication system capacity	16.4 L
Number of cylinders	6	Coolant capacity (with radiator)	25.9 L
Cylinder arrangement	Vertical in-line	Speed stability (%)	≤5%
Cycle	Four stroke	Start type	Electrical
Aspiration	Jacket Water Aftercooled	Maximum exhaust temperature	580℃
Bore × Stroke	102 × 120 mm	Exhaust gas flow	406 L/S
Displacement	5.9 L	Maximum allowed back pressure	10 kPa
Compression ratio	17.3:01	Intake air flow	142 L/S
Prime power/Speed	120/1800 (kW/rpm)	Cooling air flow	2.4 L/S
Standby power/Speed	132/1800 (kW/rpm)	Consumption @ 100% load ESP	34.0 L/H
Speed governor	Electronic	Consumption @ 100% load PRP	31.0 L/H
Cooling system (open type)	40℃ tropical radiator	Consumption @ 75% load PRP	23.0 L/H
Cooling system (silent type)	50℃ tropical radiator	Consumption @ 50% load PRP	16.0 L/H

Features:

- •Diesel engine
- •4-stroke cycle
- •Water-cooled

- •Dry air filter
- •Radiator with pusher fan
- •Moving parts protection
- •Radiator water level sensor (Optional)
- •55 degree radiator (Optional)

- •Jacket coolant heater (Optional)
- •Lube oil heater (Optional)
- •Engine filter heater (Optional)
- •Fuel inlet line heater (Optional)
- •Heavy duty air filter (Optional)

Alternator Specification

ALTERNATOR		ALTERNATOR	
Exciter type	Brushless, self-excited	Voltage regulation NL-FL	≤±1.0%
Power factor	0.8	Insulation grade	H
Voltage adjust range	≥5%	Protection grade	IP23

Options:

- •AREP/PMG/EBS
- •Air inlet filter (5% deration)
- •louver (5% deration)

- •Space heater
- •Digital AVR
- •Severe environmental impregnation
- •Stator sensor
- •PT100

- •Rotor sensor
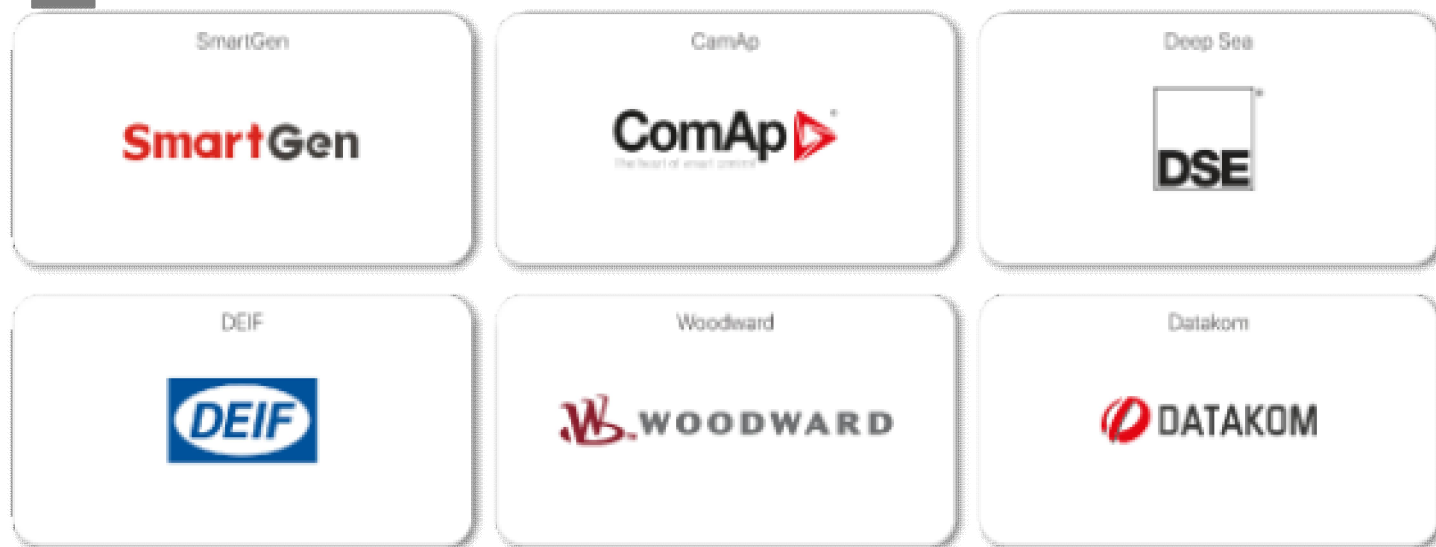- •Double bearing
- •Drip proof cover
- •Terminal box IP44

Cummins

POWERZOO

Controller Brands

SmartGen	ComAp	Deep Sea
SmartGen	**ComAp**	**DSE**

DEIF	Woodward	Datakom
DEIF	**WOODWARD**	**DATAKOM**

Controller Functions

OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
Voltage between phases	●	●	●	●
Voltage between neutral and phase	●	●	●	●
Current intensities	●	●	●	●
Frequency	●	●	●	●
Apparent power (kVA)	●	●	●	●
Active power (kW)	●	●	●	●
Reactive power (kVAr)	●	●	●	●
Power factor	●	●	●	●
Coolant temperature	●	●	●	●
Oil pressure	●	●	●	●
Battery voltage	●	●	●	●
R.P.M.	●	●	●	●
Battery charge alternator voltage	●	●	●	●
High water temperature by sensor	●	●	●	●
Low oil pressure by sensor	●	●	●	●
Unexpected shutdown	●	●	●	●
Fuel storage by sensor	●	●	●	●
Stop failure/Start failure	●	●	●	●
Overspeed/Underspeed	●	●	●	●

● Standard   ○ Optional

OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
Emergency stop	●	●	●	●
High/Low frequency	●	●	●	●
High/Low voltage	●	●	●	●
Short-circuit	●	●	●	●
Incorrect phase sequence	●	●	●	●
Inverse power	●	●	●	●
Overload	●	●	●	●
Total hour counter	●	●	●	●
Kilowatt meter	●	●	●	●
Starts valid counters	●	●	●	●
Maintenance	●	●	●	●
USB	●	●	●	●
Software for PC	●	●	●	●
Alarm history	●	●	●	●
External start	●	●	●	●
Start inhibition	●	●	●	●
Mains failure start	●	●	●	●
Pre-heating engine control	●	●	●	●
Fuel transfer control	●	●	●	●
Engine temperature control	●	●	●	●
Programmable alarms	●	●	●	●
Genset start function in test mode	●	●	●	●
Programmable outputs	●	●	●	●
Multilingual	●	●	●	●
RS485		●	●	●
Modbus IP		●	●	●
J1939		●	●	●
Synchronization			●	●
Mains synchronization				●
Fuel level (%)	○	○	○	○
Low water level	○	○	○	○
GSM/GPRS modem	○	○	○	○
Remote screen	○	○	○	○

● Standard   ○ Optional