

# W313P5

Powered by Weichai®

## WEICHAI

## POWERZOO



### Emergency Standby Power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility 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 capability is available 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 unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 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.

GENERATOR MODEL				
	Generator specifications		PRP	ESP
	Power	kW/kVA	250/313	272/340
	Rated speed	r.p.m.	1500	
	Available voltages	V	380~415	
	Frequency	Hz	50	
	Phase		3-PH	
	Power factor	Cos φ	0.8	
	Fuel cons 100%	L/H	71	
	Starting power	kW	5.4	
	Recommended battery	Ah	100	
	Number of batteries		2	
	Auxiliary voltage	VDC	24V	



FREQUENCY



DIESEL FUEL



WATER-COOLED



SOUNDPROOF



CERTIFICATION

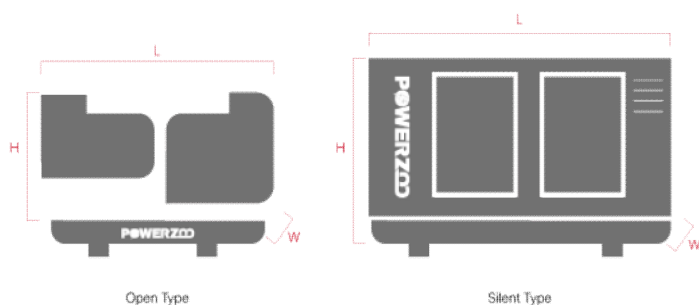


ISO 9001



STACKABLE

## Dimension and Weight



DIMENSION			OPEN TYPE	SILENT TYPE
	Length (L)	mm	2850	3962
	Width (W)	mm	1040	1120
	Height (H)	mm	1580	2038
	Dry weight	kg	1855	3063
	Fuel tank	L	350	500

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.

## POWERZOO

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## Engine Specifications

ENGINE	Weichai®
Engine model	WP10D320E200
Number of cylinders	6
Cylinder arrangement	In-line
Cycle	Four stroke
Aspiration	Turbocharged and aftercooled
Bore × Stroke	126×130 mm
Displacement	9.726 L
Compression ratio	17:01
Prime power/Speed	291/1500 (kW/rpm)
Standby power/Speed	320/1500 (kW/rpm)
Speed governor	Electronic
Cooling system (open type)	40°C tropical radiator
Cooling system (silent type)	50°C tropical radiator

ENGINE	Weichai®
Total lubrication system capacity	30 L
Coolant capacity (engine only)	22 L
Speed stability (%)	≤5%
Start type	Electrical
Maximum exhaust temperature	720°C
Exhaust gas flow	1483 kg/h
Maximum allowed back pressure	10-11 kPa
Intake air flow	1424 kg/h
Cooling air flow	TBD
Consumption @ 100% load ESP	77.3 L/H
Consumption @ 100% load PRP	71 L/H
Consumption @ 75% load PRP	51.7 L/H
Consumption @ 50% load PRP	34.9 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	
Exciter type	Brushless, self-excited
Power factor	0.8
Voltage adjust range	≥5%

ALTERNATOR	
Voltage regulation NL-FL	≤±1.0%
Insulation grade	H
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
- Double bearing