










GENERATOR MODEL		HNWC400D	
	Generator Specifications	PRP	ESP
	Power	kW/kVA	400 / 500    440 / 550
	Rated Speed	r.p.m.	1500/1800
	Available Voltages	V	220 ~ 440
	Frequency	Hz	50/60
	Phase		3-PH
	Power Factor	CosØ	0.8
	Fuel Cons 100%	L/H	102
	Auxiliary Voltage	DC	24V
	Number Of Batteries		2



**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.

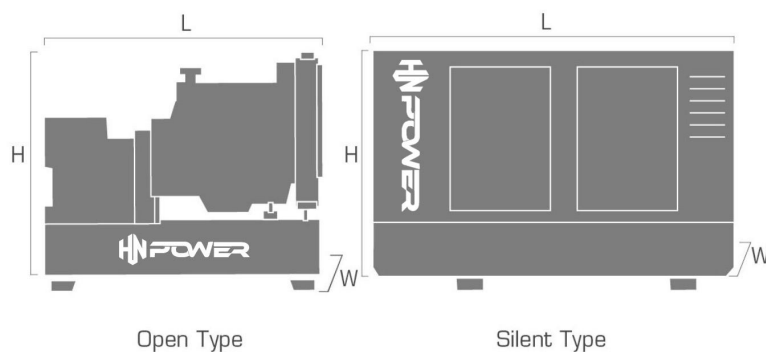
**HAONENG generators are CE certified and conform to the following Directives:**

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.

 FREQUENCY   
  DIESEL FUEL   
  WATER-COOLED   
  SOUNDPROOF   
  CERTIFICATION   
  ISO 9001   
  STACKABLE

DIMENSION		OPEN TYPE	SILENT TYPE
	Length (L)    mm	3350	4200
	Width (W)    mm	1150	1600
	Height (H)    mm	1800	2300
	Dry Weight    Kg	3500	5578
	Fuel Tank    L	OPTION	OPTION

## Dimension and Weight



Weights and dimensions based on standard products. 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.



## Engine Specifications

ENGINE	WEICHAI
Engine Model	WP13D490E310
Number Of Cylinders	Six
Cylinder Arrangement	In-Line
Cycle	Four Stroke
Bore x Stroke	127 × 165 mm
Displacement	12.54 L
Voltage Frequency	50/60HZ
Prime Power/Speed	562 / 1500 [kva/rpm]
Standby Power/Speed	612 / 1500 [kva/rpm]

ENGINE	WEICHAI
Air Intake Mode	Turbocharged&Intercooled
Speed Governor	Electronic Speed Regulation
Start Type	Electrical
Compression Ratio	17:1
Speed Stability (%)	≤3%
Consumption @ 100% load PRP	102 L/H
Emission	GB 20891-2014 Stage III
Coolong System (Open Type)	50°C Tropical Radiator
Coolong System (Silent Type)	50°C Tropical Radiator

## Alternator Specifications

ALTERNATOR	
Alternator Brand	Stanford
Rated Voltage	220V/440V
Voltage Frequency	50/60HZ
Exciter Type	Brushless, Single bearing
Excitation System	AVR
Winding Structure	2/3 pitch

ALTERNATOR	
Insulation Grade	H
Protection Grade	IP22
Power Factor	0.8
Stable Voltage Regulation Rate	≤ ±1%
Transient Voltage Regulation	≤ -18% ~ +20%
Voltage Waveform Distortion rate	THD ≤ 3%



## Controller Brands

