

ON-80

Power by WEICHAI

WPD4.1D80E200

Prime power: 80KVA/64KW

Standby power: 87.5KVA/70KW

GENERATING POWER SOLUTIONS



Increased availability for new operations

Reliable, robust and versatile generator.
Ready to deliver power for a next job.

Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

Reduced transport and installation costs

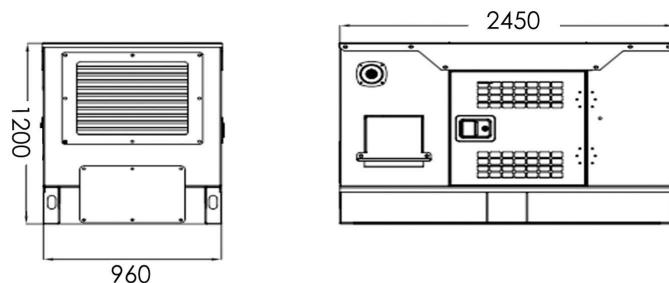
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	mm 1900	2450
Width (W)	mm 870	960
Height (H)	mm 1180	1200
Dry weight	kg 990	1160
Fuel tank	L 130	130

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Technical Data

Model	ON-5		Alternator			
Rated prime power	kva	80	Model	ON-80		
Rated standard power	kva	87.5	Phase	3		
Rated voltage line to line	V	380-415	Voltage	430V		
Maximun sound level	dB(@7m)	≤ 72	Wiring Type	3 wire		
Engine						
Model	WP4.1D80E200		Bearing	1		
Aspiration	Turbocharge and intercooling		Power factor	0.8		
Fuel system	mechanical pump		Frequency	Hz 50		
No. cylinders	4		Prime power	KW 70		
Displacement	Liquid	4.087	Exciter Type	Brushless, self-excitation		
Bore*Stroke	mm	105*118	Voltage regulation	% ±0.5		
Compression ratio	17.5:1		Protection Grade	IP 23		
Rated speed	r/min	1500	Insulation grade	H/H		
Rated net power(with fan)	Kw	72	Altitude	m ≤1000		
Governor type	mechanical speed governors		Controller			
Exhause system						
Exhause gas flow	L/s	242	Model	DSE6120MK3		
Exhause gas temp	° F (° C)	<500	Protective functions:			
Max back pressure	in Hg	12	<ul style="list-style-type: none"> ■ Low oil pressure ■ High water temperature ■ High/low voltage ■ High Engine Temperature and Overspeed. ■ Voltage regulator frequency regulator ■ Emergency stop ■ Start failure 			
Aspiration system						
Max inlet pressure	kPa	≤3.5				
Combustion volume	L/s	/				
Air flow	L/sec	233				
Fuel system						
100% load(Prime power)	L/h	18.9				
75% load(Prime power)	L/h	13.3				
50% load(Prime power)	L/h	8.9				
Fuel tank capacity	L	130				
Lubrication system						
Oil capacity	L	14				
Oil consumption	g/kwh	2.7	<ul style="list-style-type: none"> ■ Auto generator control module ■ Control module with "Three Remote Control" functions ■ ATS auto load transfer screen ■ Synchronising control modules ■ Power output cabinet 			
Oil pressure	kPa	10				
(continuous operation)						
Cooling system						
Coolant capacity	L	9.4				
Thermostat operation range	°C	76-88				
Max water temperature	°C	98				

Standard features

- Engine
- Radiator 50°C max, fans are driven by belt
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 24V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler)
- User manual

Options

- Battery charge
- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Switch box
- Standard:
- Options:

Warranty

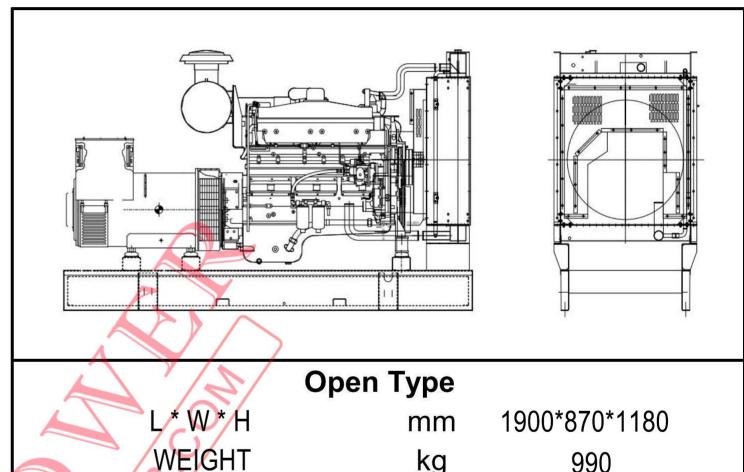
Weichai Engine

12 months from date of purchase and 1000 hours.

Generator

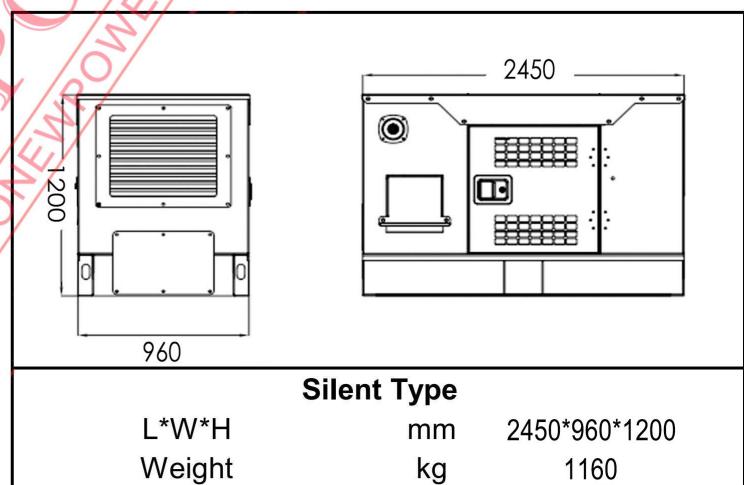
12 months from date of purchase or 1000 hours (whichever occurs first).

Dimensions



Open Type

L*W*H	mm	1900*870*1180
WEIGHT	kg	990



Silent Type

L*W*H	mm	2450*960*1200
Weight	kg	1160

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