

ON-50

Power by WEICHAI

WP2.3D48E200

Prime power: 40KW/50KVA

Standby power: 44KW/55KVA

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

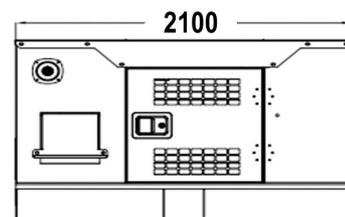
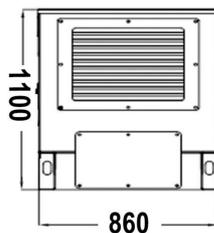
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



ONEWPOWER

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DIMENSION			OPEN TYPE	SILENT TYPE
Length (L)	mm	1900	2100	
Width (W)	mm	700	860	
Height (H)	mm	1180	1100	
Dry weight	kg	780	890	
Fuel tank	L	100	80	

Technical Data

Model ON-50

Rated prime power	KW	40
Rated standard power	KW	44
Rated voltage line to line	V	380~415
Maximum sound level	dB(@7m)	≤72

Engine

Model	WP2.3D48E200	
Aspiration	Turbochargine and intercooling	
Fuel system	mechanical pump	
No. cylinders	4	
Displacement	Liquid	2.3
Bore*Stroke	mm	89*92
Compression ratio	17.5:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	40
Governor type	Electronic	

Exhaust system

Exhaust gas flow	209kg/h	
Exhaust gas temp	° F (° C)	<650
Max back pressure	8KPA	

Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	kg/h	200

Fuel system

100% load(Prime power)	L/h	10.8
75% load(Prime power)	L/h	7.9
50% load(Prime power)	L/h	5.3
Fuel tank capacity	L	80

Lubrication system

Oil capacity	L	8
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	5
Thermostat operation range	°C	76-88
Max water temperature	°C	98

Alternator

Model	ON-50	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	40
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller

- Model
- Protective functions:
- Low oil pressure
 - High water temperature
 - High/low voltage
 - High Engine Temperature and Overspeed.
 - Voltage regulator frequency regulator
 - Emergency stop
 - Start failure



Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

