

ON-90

Power by Perkins

1104A-44TG2

Prime power: 72KW/90KVA

Standby power: 80KW/100KVA

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

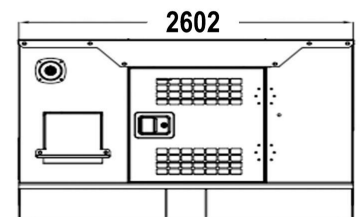
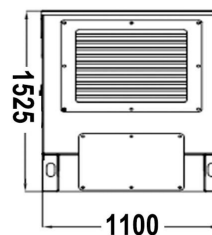
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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	2602
Width (W)	mm	950	1100
Height (H)	mm	1400	1525
Dry weight	kg	1150	1650
Fuel tank	L	120	120

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Technical Data

Model ON-90

Rated prime power	KW	72
Rated standard power	KW	80
Rated voltage line to line	V	220~480
Maximun sound level	dB(@7m)	≤72

Engine

Model	1104A-44TG2	
Aspiration	Turbocharged	
Fuel system	mechanical pump	
No. cylinders	4	
Displacement	Liquid	4.4
Bore*Stroke	mm	105*127
Compression ratio	17.25:1	
Rated speed	r/min	1800
Rated net power(with fan)	Kw	80
Governor type	Mechanical	

Exhaust system

Exhaust gas flow	15 m ³ /min	
Exhaust gas temp	° F (° C)	<535
Max back pressure	15 kPa	

Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	L/sec	TBA

Fuel system

100% load(Prime power)	L/h	22.3
75% load(Prime power)	L/h	16.9
50% load(Prime power)	L/h	11.9
Fuel tank capacity	L	120

Lubrication system

Oil capacity	L	8.0
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	13
Thermostat operation range	°C	76-88
Max water temperature	°C	98

Alternator

Model	ON-90	
Phase	3	
Voltage	V	220~480
Bearing	1	
Power factor	0.8	
Frequency	Hz	60
Prime power	KW	72
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±1.0
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

