

ON-1650

Power by Perkins

4012-46TAG3A

Prime power: 1320KW/1650KVA

Standby power: 1452KW/1815KVA

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

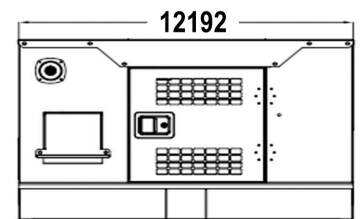
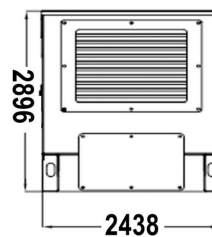
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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	5650	12192	
Width (W)	mm	2200	2438	
Height (H)	mm	2565	2896	
Dry weight	kg	10250	16200	
Fuel tank	L	TBD	TBD	TBD

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Technical Data

Model ON-1650

Rated prime power	KW	1320
Rated standard power	KW	1452
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤ 72

Engine

Model	4012-46TAG3A	
Aspiration	Turbocharged	
Fuel system	mechanical pump	
No. cylinders	12	
Displacement	Liquid	45.842
Bore*Stroke	mm	160*190
Compression ratio	13:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	1452
Governor type	Electronical	

Exhaust system

Exhaust gas flow	350 m³/min	
Exhaust gas temp	° F (° C)	< 480
Max back pressure	5 kPa	

Aspiration system

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

Fuel system

100% load(Prime power)	L/h	370
75% load(Prime power)	L/h	275
50% load(Prime power)	L/h	187
Fuel tank capacity	L	TBD

Lubrication system

Oil capacity	L	177
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	207
Thermostat operation range	° C	76-88
Max water temperature	° C	98

Alternator

Model	ON-1650	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	1320
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

