

ON-300

Power by Perkins

1706A-E93TAG1

Prime power: 240KW/300KVA

Standby power: 271KW/339KVA

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

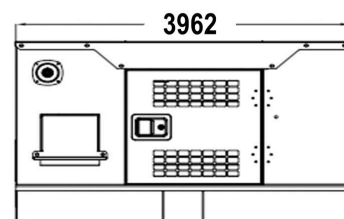
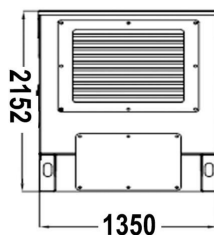
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



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DIMENSION			OPEN TYPE	SILENT TYPE
Length (L)	mm	2820	3962	
Width (W)	mm	1380	1350	
Height (H)	mm	1650	2152	
Dry weight	kg	2550	3150	
Fuel tank	L	470	470	

Technical Data

Model ON-300

Rated prime power	KW	240
Rated standard power	KW	271
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤72

Engine

Model	1706A-E93TAG1	
Aspiration	Turbocharged aftercooled	
Fuel system	mechanical pump	
No. cylinders	6	
Displacement	Liquid	9.29
Bore*Stroke	mm	115*149
Compression ratio	16.5:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	271
Governor type	ECU	

Exhaust system

Exhaust gas flow	41.74 m ³ /min	
Exhaust gas temp	° F (° C)	<538. 1
Max back pressure	10 kPa	

Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	15.52 m ³ /min	

Fuel system

100% load(Prime power)	L/h	62.9
75% load(Prime power)	L/h	64.2
50% load(Prime power)	L/h	67.9
Fuel tank capacity	L	470

Lubrication system

Oil capacity	L	30
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	35.8
Thermostat operation range	°C	76-88
Max water temperature	°C	98

Alternator

Model	ON-300	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	240
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

