

ON-180

Power by Perkins

1106A-70TAG3

Prime power: 144KW/180KVA

Standby power: 160KW/200KVA

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

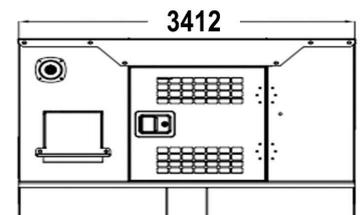
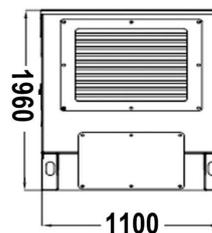
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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	2390	3412
Width (W)	mm	1100	1100
Height (H)	mm	1650	1960
Dry weight	kg	2100	2600
Fuel tank	L	350	350

Technical Data

Model ON-180

Rated prime power	KW	144
Rated standard power	KW	160
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤72

Engine

Model	1106A-70TAG3	
Aspiration	Turbocharged	
Fuel system	mechanical pump	
No. cylinders	6	
Displacement	Liquid	7.01
Bore*Stroke	mm	105*135
Compression ratio	16:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	160
Governor type	Mechanical	

Exhaust system

Exhaust gas flow	31.55 m ³ /min	
Exhaust gas temp	° F (° C)	<491
Max back pressure	6.0 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	41.4
75% load(Prime power)	L/h	32
50% load(Prime power)	L/h	20.2
Fuel tank capacity	L	350

Lubrication system

Oil capacity	L	18
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	20.5
Thermostat operation range	°C	76-88
Max water temperature	°C	98

Alternator

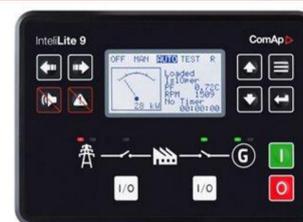
Model	ON-180	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	144
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±1.0
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

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

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

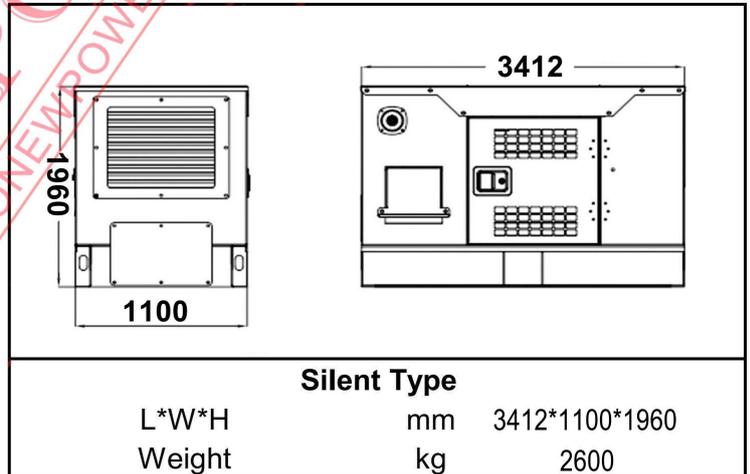
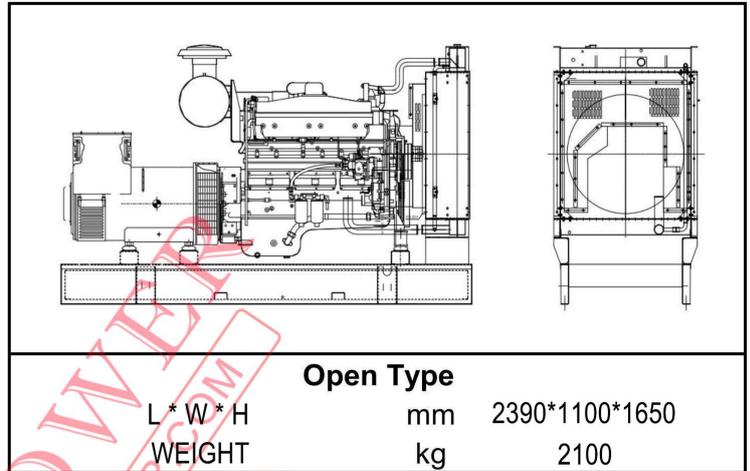
CUMMINS ENGINE

12 months from date of purchase and 1000 hours.

Generator

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

Dimensions



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