

POWER YOUR FUTURE

Perkins Generator

1106D-E70TAG2

Prime Power: 114KW/142KVA

Standby Power: 125KW/155KVA



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.



SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents perform daily and preventive maintenance checks without fail.

Perkins Series 60Hz

10KVA--1500KVA

Technical Data

Model LG114P		
Rated prime power	kva	142
Rated standard power	kva	155
Rated voltage line to line	V	220/127
Rated current	A	374
Maximun sound level	dB(@7m)	≤96

Engine-PERKINS

Model	1106D-E70TAG2	
Air intake system	Turbo, Air/Air Cooling	
Fuel injection system	Direct Injection	
No. cylinders	6	
Displacement	Liquid	7.01
Bore*Stroke	mm	105*135
Compression ratio	16	
Rated speed	r/min	1800
Rated net power(with fan)	Kw	157
Governor type	Mechanical	
Start Motor	V	12

Exhaust System

Exhaust gas flow	m³/min	23.78
Exhaust gas temp	°C	484
Max back pressure	kPa	6

Air Intake System

Max intake restriction	kPa	3
Consumption	m³/min	10.2
Air flow	m³/min	282

Fuel System

100% load(Prime power)	L/h	39
75% load(Prime power)	L/h	29
50% load(Prime power)	L/h	19.5
Fuel tank capacity	L	350

Lubrication System

Total system oil capacity	L	21
Oil consumption	g/kwh	≤4
Min oil pressure	kPa	340-430
(continuous operation)		

Cooling System

Total coolant capacity	L	21
Thermostat	°C	82-93
Max top tank temperature	°C	118

Alternator

Model	LK274E STAMFORD UCI274E	
Phase	3	
Voltage	V	220/127
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	60
Prime power	KVA	168
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller-DEEPSEA

Model	DSE6120
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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(Perkins)
- Radiator 50°C max,fans are driven by bel
- 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 12V 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*

Perkins Engine

12 months from date of purchase and 1000 hours.

Generator

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

Unit Dimensions(Basic unit)

