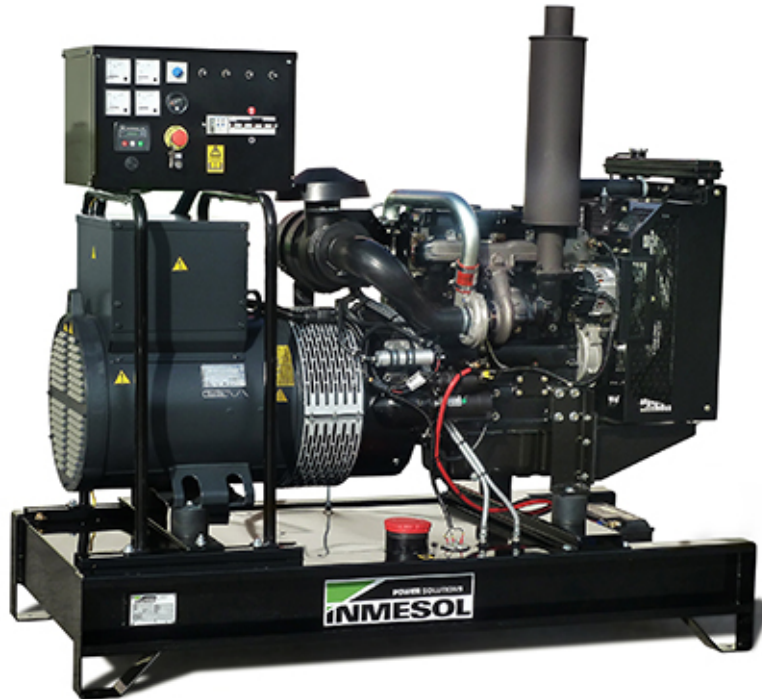


**AP-145 - PERKINS - 1106A-70TG1**

**1.500 R.P.M. | 50 Hz**

## TECHNICAL SPECIFICATIONS



Model:

**AP-145**

Gen set with manual control panel.

Image for guidance purposes.

ENGINE	MAKE	MODEL
	PERKINS	1106A-70TG1

ALTERNATOR	MODEL
	MECC-ALTE ECP 34-1L/4

(400 / 230 V)

CONTINUOUS POWER:  
(PRP "Prime Power" norma ISO 8528-1) **130 kVA**

STAND-BY POWER:  
(LTP "Limited Time Power" norma ISO 8528-1) **145 kVA**

### Amperes in the different voltages:

VOLTAGE	HZ	PHASE	COS Ø	PRP KVA/KW	LTP KVA/KW	AMPERAGE
415/240	50	3	0,8	130,0/104,0	143,0/114,4	199,18
400/230	50	3	0,8	130,0/104,0	143,0/114,4	206,65
380/220	50	3	0,8	130,0/104,0	143,0/114,4	217,52
240/139	50	3	0,8	130,0/104,0	143,0/114,4	344,41
230/133	50	3	0,8	130,0/104,0	143,0/114,4	359,39
220/127	50	3	0,8	130,0/104,0	143,0/114,4	375,72

**ELECTRO EXIM SRL**

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E-mail: office@electroexim.com - Web: www.electroexim.ro

**AP-145 - PERKINS - 1106A-70TG1**

**1.500 R.P.M. | 50 Hz**

## ENGINE CHARACTERISTICS

MAKE	MODEL
PERKINS	1106A-70TG1

### GENERAL DATA

Power PRP (kWm)	118.70
Power LTP (kWm)	131.90
No. cylinders	6
Cylinder capacity (L)	7.01
Diameter per stroke (mm)	105 x 135
Compression ratio	18.20
Cooling system	LIQUID
Injection	DIRECT
Suction	TURBO
Series regulator	MECHANICAL
Fly wheel coupling	3-11,5"

### Lubrication system

Oil capacity (L)	16.50
Oil consumption (%)	0.10
Min. alarm oil pressure (bar)	-

### Ventilation system

Air cooling flow (m3/h)	15120
Combustion air flow (m3/h)	485.40
Max. back pressure for fan (mbar)	-

### Exhaust system

Exhaust gas flow (m3/h)	1360
Exhaust back pressure (mbar)	60
Temp. exhaust gases (°C)	576

### Electrical system

VDC (V)	12
Battery (Ah)	120
Engine start-up (kW)	4,2

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**AP-145 - PERKINS - 1106A-70TG1**

**1.500 R.P.M. | 50 Hz**

## ALTERNATOR CHARACTERISTICS

### MODEL

MECC-ALTE ECP 34-1L/4 (400 / 230 V)

### GENERAL DATA

Power PRP (kVA)	130
Power LTP (kVA)	143
Efficiency Alt. 3/4 %	93.20
Efficiency Alt. 4/4 %	92.70
No. Poles	4
Voltage regulator	DSR
No. wires	12
Insulation	H
Xd (%)	214
X'd (%)	17.20
X	6.80
Degree of protection	IP21

## GENERATOR SET CONSUMPTION

% POWER USED	LITRES/HOUR
50%	15.90
75%	22.70
100%	30.28

## DIMENSIONS, CAPACITIES, APPROXIMATE WEIGHT AND NOISE

LENGTH	DIMENSIONS (MM)	
	WIDTH	HEIGHT
2360	1035	1933
FUEL TANK (LITRES)		WEIGHT (KG)
320		1442.00
NOISE LEVEL (dB (A))		

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**AP-145 - PERKINS - 1106A-70TG1**

**1.500 R.P.M. | 50 Hz**

## **INMESOL GENERATOR SET**

### **GENERAL DESCRIPTION**

The "INMESOL" generator set is an electrical energy generating machine which is used in places where there **is no mains supply** or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive **2006/42**.

### **REGULATIONS**



The machine holds the "CE" marking, and the corresponding Declaration of Conformity is issued with each of them, in which it specifies that the machine complies with **R.D 842/2002 Low Voltage Regulations and with the European Directives:**

- 2006/42 on Safety in Machinery.
- 2006/95/CE on Electrical Safety.
- 2004/108/CE on Electromagnetic Compatibility.
- 2005/88/CE on NOISE EMISSIONS by equipment for outdoor use (for SOUNDPROOF GENERATOR SETS).

AP-145 - PERKINS - 1106A-70TG1

1.500 R.P.M. | 50 Hz

**IN INDUSTRIAL RANGE / SCOPE OF SUPPLY**

		
Engine/alternator monobloc directly connected and installed via silent blocks on a frame made from high tensile electro welded steel profiles that are treated with degreasing liquids and aplicated with a phosphate coat and epoxi paint.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Canopy of steel sheet sound proofed with fireproof rockwool, and treated with degreasing liquids and aplicated with a phosphate coat and epoxi paint.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fuel tank integrated in the base frame provided with fuel level jauge and fuel connections to the engine.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Engine with mechanical engine driven pusher fan.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Industrial silencer with -15 db(A) noise reduction and exhaust outlet tube.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Residencial silencer with -35 db(A) noise reduction with exhaust tube and protection cap.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electric control cubicle with control module including protection and reading of electrical meassures engine instrumentation fuel level and engine running hours, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Termal and magnetic circuit breaker and termal and magnetic circuit breaker and earth fault relay.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Battery charge alternator.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Starter battery complete with cables to the engine and pole protection.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Installation prepared for earthing spike (spike not included).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Security protection for heat and moving parts as well as live electrical components.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External emergency stop push button.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manual engine oil extraction pump.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Self excited and auto regulated alternator.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated lifting hook for single point lifting with crane, gensets up to 450 kVA (Except in swing-out cover model)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4 Lifting points for gen sets from 450 kVA and bigger.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Preparate for extended fuel tank, fully bomded for leakage protection.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Base frame is prepared for trailer kit installation.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Standard electronic speed governor on engines from 220 kVA (LTP) and up.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Horizontal outlet for hot air	<input type="checkbox"/>	<input checked="" type="checkbox"/>