



SERVICE		PRP	ESP
POWER	kVA	400	449
POWER	kW	320	360
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/132 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	



INDUSTRIAL RANGE

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Prime Power (PRP):

According to ISO 8528-1:2018, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):

According to ISO 8528-1:2018, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

G2 class load acceptance in accordance with ISO 8528-5:2013



OPEN SKID



K8



WATER-COOLED



THREE PHASE



50 HZ



STAGE 2



DIESEL

Himoinsa has the right to modify any feature without prior notice.

Weights and dimensions based on standard products. Illustrations may include optional equipment.

Technical data described in this catalogue correspond to the available information at the moment of printing.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.



Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	352
Rated Output (ESP)	kW	387
Manufacturer	FPT_IVECO	
Model	C13TE3A	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	Turbocharged and after-cooled	
Number of cylinders and arrangement	6-L	
Bore and Stroke	mm	135 x 150
Displacement	L	12,9
Cooling System	Liquid (water + 50% glycol)	
Lube Oil Specifications	ACEA E3 - E5	
Compression Ratio	16,5 : 1	

Fuel Consumption ESP	l/h	100,5
Fuel Consumption 100% PRP	l/h	85,8
Fuel Consumption 80 % PRP	l/h	70,4
Fuel Consumption 50 % PRP	l/h	42,8
Lube oil consumption with full load	0,5 % of fuel consumption	
Total oil capacity including tubes, filters	L	35
Total coolant capacity	L	68
Governor	Type	Electrical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	108

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- Diesel engine
 - 4-stroke cycle
 - Water-cooled
 - 24V electrical system
 - Water separator filter (no visible level)
 - Dry air filter
 - Radiator with pusher fan
 - HTW sender
 - LOP sender
 - Radiator water level sensor
 - Electronic governor
 - Hot parts protection
 - Moving parts protection



Generator Specifications | STAMFORD/ LEROY SOMER

Manufacturer	Stamford / Leroy Somer	
Model	HCI434F/444F / LSA47.2 S4	
Poles	No.	4
Connection type (standard)	Star-series	
Mounting type	S-1 14"	
Insulation	Class	H class

Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

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- Self-excited and self-regulated
 - 4 poles
 - AVR governor
 - IP23 protection
 - H class insulation
 - Single drive-shaft
 - Flexible disc coupling

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	3.310
Height (H)	mm	1.783
Width (W)	mm	1.390
Maximum shipping volume	m ³	8,2
Weight with liquids in radiator and sump	Kg	2974
Fuel tank capacity	L	597
Autonomy	Hours	8

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	445
Exhaust Gas Flow	kg/s	0,613
Maximum allowed back pressure	kPa	5
Heat dissipated by exhaust pipe	KCal/Kwh	703

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	1770
Cooling Air Flow	m ³ /s	6,8
Alternator fan air flow	m ³ /s	0,8

STARTING SYSTEM

Starting power	KW	6
Starting power	CV	8,16
Recommended battery	Ah	185 x 2
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Fuel Tank	L	597



Open set version

- Steel chassis
- Emergency stop button
- Oil sump extraction kit
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- High mechanical strength
- Epoxy polyester powder coating
- Fuel tank drain plug
- Steel industrial silencer -15db(A) attenuation
- Fuel transfer pump (Opcional).
- Steel residential silencer -35db(A) attenuation. (Opcional).