



SERVICE		PRP	ESP
POWER	kVA	173	190
POWER	kW	139	152
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



K6



WATER-COOLED



THREE PHASE



50 HZ



NON COMPLYING 97/68/EC



DIESEL

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	149,7
Rated Output (ESP)	kW	165
Manufacturer	FPT_IVECO	
Model	NEF67TM4	
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	104 x 132
Displacement	L	6,7
Cooling System	Liquid (water + 50% glycol)	
Lube Oil Specifications	ACEA E3 - E5	
Compression Ratio	17,5:1	

Fuel Consumption ESP	l/h	42,2
Fuel Consumption 100% PRP	l/h	36,6
Fuel Consumption 80 % PRP	l/h	29,4
Fuel Consumption 50 % PRP	l/h	18
Lube oil consumption with full load	0,5 % of fuel consumption	
Total oil capacity including tubes, filters	L	17,2
Total coolant capacity	L	25,5
Governor	Type	Mechanical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	70,3



- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter (no visible level)
- Dry air filter
- Radiator with pusher fan
- Mechanical governor
- Hot parts protection
- Moving parts protection
- HTW sender (Opcional).
- LOP sender (Opcional).
- Radiator water level sensor (Opcional).



Generator Specifications | Leroy Somer /STAMFORD

Manufacturer	Leroy Somer / Stamford	
Model	TAL044J / UCI274F	
Poles	No.	4
Connection type (standard)	Star-series	
Mounting type	S-3 11*1/2	
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)



- Self-excited and self-regulated
- IP23 protection
- H class insulation

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	2.900
Height (H)	mm	1.634
Width (W)	mm	900
Maximum shipping volume	m ³	4,26
Weight with liquids in radiator and sump	Kg	1414
Fuel tank capacity	L	250
Autonomy	Hours	9

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	497
Maximum allowed back pressure	kPa	5
Heat dissipated by exhaust pipe	KCal/Kwh	598

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	586
Cooling Air Flow	m ³ /s	3,8
Alternator fan air flow	m ³ /s	0,533

STARTING SYSTEM

Starting power	kW	3
Starting power	CV	4,08
Recommended battery	Ah	100
Auxiliary Voltage	Vdc	12

FUEL SYSTEM

Fuel Oil Specifications	Diesel	
Fuel Tank	L	250



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).