

FPZ-300



Industrial Range

About Generator

1) Ratings in accordance with ISO 8528. For duty at temperature over 50°C and/or altitude over 1000 meters must be considered a power derating factor.

2) Net power at flywheel available after 50 hours running with a ±3% tolerance

PRIME POWER: The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

Service	Unit	PRP	ESP
Power	kVA	300	330
Power	kW	240	264
Rated Speed	r.p.m	1500	
Standard Voltages	V	400/230	
Available Voltages	V	230/132 . 230 V(t)	
Rated at Power Factor	CosØ	0.8	

Engine Dimensions

Length (L)	mm	2100
Width (W)	mm	1050
Height (h)	mm	1385
Dry Weight	kg	1050

Silent Plus

50 HZ

Water Cooled

Diesel

3 Phase

Engine Specifications @ 1500 r.p.m

Rated Output-net (PRP)	kWm	275
Rated Output-net (ESP)	kWm	299
Manufacturer	FPT_IVECO	
Model	C87TE4	
Engine Type	4-Stroke Diesel	
Injection Type	Direct-ECR	
Aspiration Type	TCA	
Number of Cylinders	6-L	
Bore & Stroke	mm	117 x135
Displacement	L	8.7
Compression Ratio	15.9:1	

Fuel Consumption

Fuel Consumption ESP	L/h	72.4
Fuel Consumption PRP @ 100%	L/h	66.6
Fuel Consumption PRP @ 80%	L/h	52.6
Fuel Consumption PRP @ 50%	L/h	37.3
Lube Oil Consumption with Full Load	L	< 0.1% of fuel consumption
Total Oil Capacity	L	28
Total Coolant Capacity	L	58
Governor Type	Electrical	
Air Filter	Dry	

Alternator Specifications

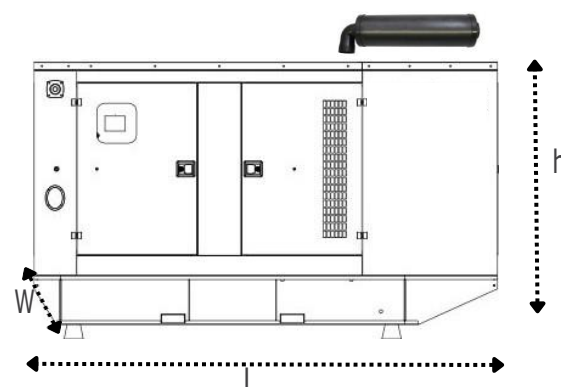
Manufacturer	Stamford / Leroy Somer	
Model	HCI434D/444D/ TAL046F	
Number of Poles	4	
Connection Type (Standard)	Star Series	
Insulation Class	H	
Encloser	IP23	
Exciter System	Self Excitation Brush Less	
Bearing	Single Bearing	

- Diesel Engine
- 4 Stroke cycle
- Water Cooled
- 24V Electric Starting System
- Water Separator Filter (No Visible Level)
- Dry Air Filter
- Radiator with Pusher Fan
- Electronic Governor
- Hot Parts Protection
- Moving Parts Protection
- HTW Sender (Optional)
- Radiator Water Level Sensor

- Electronic AVR
- Flexible dick type Coupling System
- Standard (vacuum impregnation) Coating Type
- IP23 Protection

Generator Dimensions

Length (L)	mm	3535
Width (W)	mm	1402
Height (h)	mm	1859
Silencer	mm	335.28
Fuel Tank Capacity	Ltrs	380
Weight-DRY	kg	2814



Application Data

Exhaust System

Gas Flow at stand-by Power	kg/h	1395
Max Temperature at PRP (25°C)	°C	488
Max Allowable Back Pressure	kPa(mbar)	10(100)
Energy to Exhaust	kW	180

Necessary Amount of Air/ Air Intake System

Air Consumption @ 100% of Load	m ³ /h ³ (Kg/h)	1085(1336)
Air Intake restriction, Clean filter	kPa (mbar)	2(20)

Lubrication System

Oil Sump Capacity (Max)	liter	23
Oil System Capacity	liter	28
Oil Temperature	°C	120
Servicing Interval	Hrs	500

- Manhole to fill the radiator.
- Manhole for fuel tank cleaning and drainage
- Oversized chassis to protect the bodywork.
- Slide carriage and brackets for transportation with Fork Lifter
- Tilting cap in the exhaust
- Anti-vibration shock absorbers
- Fuel level gauge
- Bodywork made from high quality steel plate.
- High mechanical strength
- Low noise emissions level
- Soundproofing
- Epoxy powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Reinforced lifting hooks for crane hoisting
- Steel residential silencer
- External filling of the fuel tank with safety key
- Emergency stop button (double emergency)
- Safety Module DeepSea
- Stop protection: Interior on the panel +Exterior on the bodywork
- Mechanized for power cable output.
- Door with window to visualize control panel, alarms and measurements.
- IP Protection according to ISO 8528
- Certified with ISO9001, EDB, PEC & E-in-C