

FB700X-LP2(Open)&FC700X-LP3(Silent)

Engine		Alternator			Powered by	
Lister Petter LP625SG3		Leroy Somer TAL-A473-F			Lister Petter	
Frequency	Phase	Power Factor			Emissions	
60Hz/1800rpm	3-Phase	Factor Cos Φ = 0.8			stage III	
RATINGS	Prime Power (PRP)		Standby Power (ESP)	Rated Current (Amps)	Fuel Consumption @100% Load	
Voltage (V)	kWe	kVA	kWe	kVA	(A)	L/h
380/220	560	700	612	765	1063,6	149,90
440/254	560	700	612	765	918,5	149,90
220/127	560	700	612	765	1837,1	149,90

KEY FEATURES



DIMWNSIONS & WEIGHTS	OPEN	SILENT
Length (L)-mm	4800	5383
Width (W)-mm	2100	2150
Height (H)-mm	2300	2480
Dry Weight-kg:	6113	7210
Standard Fuel Tank Capacity(L)	1195	1195
(dBA)@7m no load	N/A	≤80

Ratings:

All three phase generator sets are rated at 0.8 power factor. All single-phase generator sets are rated at 0.8 or 1.0 power factor.

(1)PRP (Prime Power):

Available continuously at variable load in lieu of commercially purchased power for an unlimited number of hours per year accordance with ISO8528-1, and an overload of 10% permitted for one hour in every twelve hours of operation in accordance with ISO 3046-1.

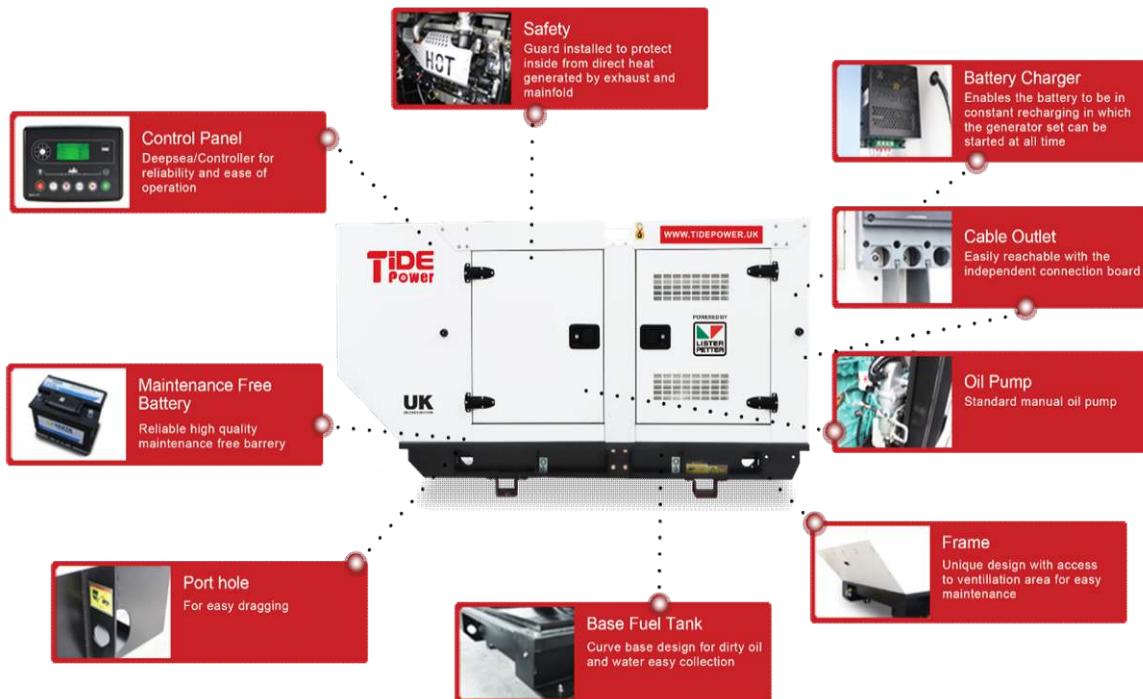
(2)ESP (Standby Power):

Emergency Standby Power in variable load applications in accordance with ISO8528-1 in the event of a utility power failure.

(3)STD:Standard Alternator.

Tide Power reserves the right to change the design or specifications without notice and without any obligation or liability.

FENOVA PLUS SERIES



The soundproof Generating set range offers a very large application target with powers ranging from 5-650KVA at 50 and 60Hz. The new and sturdy design whether it is canopies or containerized enclosure are with maximum noise reduction which make it suitable for all construction sites and home backup power supply, both mobile and stationary . At all time we have kept in our inventory a largerange of accessories to answer any immediate need, for sales or after sales services. Our standard Deepsea control panel with its stand alone cabinet is equipped with a large display screen, emergency button, ignition barrel and circuit breaker. Like every of our finished products, all the parts of the unit are subject to a stringent operating test involving over 30 checks prior to delivery.

ADVANTAGES OF FENOVA PLUS

- Powerful Engine,Large Output Power;
- Stable Performance
- Compact Structure
- Waterproof and Dustproof and weatherproof
- Noise Level 60—80 dBA@7m
- Ambient temperature : -5°C--50°C
- Excellent design and craftsmanship
- Excellent Cooling System
- Automatic Air—Bleeding
- Easy Operation and Maintenance;

ENGINE		Lister Petter LP625SG3		
General Performance	Engine Frequency and Speed	Hz / r/min	60 / 1800	
	Engine Power	kWm	622	684
	Type of fuel injection		Direct	
	Number of cylinders		6 cyl / In-line / 4-stroke	
	Aspiration		Turbocharged and air-to-air intercooled	
	Nominal cylinder bore×Stroke	mm	170/185	
	Total cylinder capacity	Litre	25,18	
	Compression ratio		14.5:1	
	Speed governor		ECU	
Fuel System	Fly wheel housing		SAE 0	
	Fuel Consumption at 110% Prime Power	L/h	165,60	
	Fuel Consumption at 100% Prime Power	L/h	149,90	
	Fuel Consumption at 75% Prime Power	L/h	113,80	
	Fuel Consumption at 50% Prime Power	L/h	81,30	
Exhaust and Intake System	Fuel Consumption at 25% Prime Power	L/h	47,40	
	Maximum allowable back-pressure	kPa	≤ 10	
	Exhaust gas flow	m³/min	171,0	
	Exhaust gas temperature, continuous	°C	450	
	Exhaust gas temperature, overload	°C	500	
	Exhaust pipe diameter - recommended	mm	152,0	
Cooling System	Maximum allowable inlet restriction	kPa	≤ 6	
	Combustion air flow	m³/min	67,0	
	Total system with radiator capacity	Litres	140,00	
	Total system without radiator capacity	Litres	55,0	
	Thermostat type		Wax Capsule	
Lubrication System	Cooling package maximum operating temperature	°C	≤ 99	
	Thermostat opens	°C	77	
	Thermostat fully open	°C	≤ 90	
	Minimum temperature to engine	°C	-25	
	Cooling fan flow rate	m³/s	10.8	
Electric System	Sump capacity including filter	Litres	75,0	
	Oil consumption, 100% (l/hr)	L/hr	0,060	
	Lubricating oil temperature	°C	90-105	
	Maximum oil temperature	°C	108	
General Data	Electrical System Voltage	V	24	
	Starter motor		24V×9kW	
	Battery		Maintenance-free	

ALTERNATOR		60Hz/1800rpm
General Data	Manufacture / Brand	Leroy-somer
	Model	TAL-A473-F
	Coupling / No. of Bearings	Direct / Single Bearing
	Phase / Poles	3-Phase / 4-Pole
	Power Factor	Cos Φ = 0.8
	AVR Regulation	Yes
	Voltage Regulation	±1 %
	Insulation Class	H
	Drip Proof	IP23
	Excitation system	SHUNT
	Altitude	≤1000 m

CONTROLLER 
Tide Power Easycon Function Summary
Controller Model / DeepSea
DSE4520

DSE6120

DSE7320

DSE8610

Controller Photos
Standard Supply

Viewable Parameters

Phase Voltage



Current



Frequency



Active Power



Reactive Power



Apparent Power



Power Factor



Electric Energy Metering


Generator Protection

Abnormal Voltage



Over-current Warning



Over current Protection



Over Frequency Protection



Short Circuit Protection

MCCB / ●

MCCB / ●

MCCB / ●

MCCB / ●

Engine Figure

Oil Pressure



Water Temperature



Fuel Meter / Fuel Sensor



Speed



Battery Voltage



Elapsed Time


Engine Protection

Low Oil Pressure Warning



Low Oil Pressure Protection



High Temperature Warning



High Temperature Protection



Overspeed Warning



Overspeed Protection



Alternator Charger


Functions

Remote Start



AMF (Auto Main Failure)



Programmable Input



Programmable Output



Expand Module



Communication Function



● / RS232 / 485

● / RS232 / 485

Communication Port

USB

USB

● / RS232 / 485

● / RS232 / 485

CAN



Service Indicate



Fault History



Gen-Gen Synchronising



Gen-Mains Synchronising


Remark:

● Standard Supply

○ Available as Optional

✗ Not Available