

GENERATOR SET

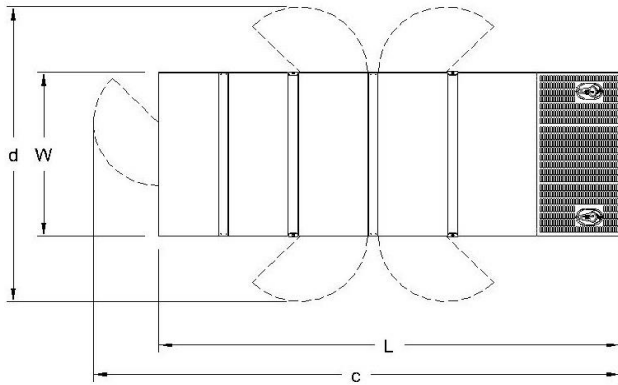
Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz cosφ = 0.8	410kVA / 328kW	450kVA / 360kW
Engine Make / Model :	FPT - C13TE3A	
Generator Make / Model :	Leroy Somer - TAL047A	
Control Panel :	ComAp AMF 9 Lite	
Charge Alternator [V / A] :	28 / 90	
Battery Charger [V / A] :	24 / 5	
Battery / Capacity [V / Ah] :	2 x (12 x 180 Ah)	
Block Water Heater [W, V] :	1500 W, 230 V	
ATS Model / Length x Width x Depht * :	650 A / 850 x 850 x 300	

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	100,5	85,8	70,4	42,8
Fuel Tank Capacity [lt] : Open skid / Canopied :	550 / 650			

Based on diesel fuel with a specific gravity of 0.85 and conforming to TS EN590 Class A2



Diesel Engine

Manufacturer :	FPT
Engine Model :	C13TE3A
No. of Cylinders / Alignment :	6 / L
Bore / Stroke [mm] :	135 / 150
Compression Ratio :	16,5 : 1
Displacement [lt] :	12,88
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	401 / 366,2

Generator

Manufacturer :	Leroy Somer
Alternator Model :	TAL047A
Bearings Type :	Single
Insulation Class :	H
Winding Pitch :	2/3
No. of Wires Terminal :	6
Frequency / Poles :	50Hz / 4p
Voltage (Ph-Ph / Ph-N) :	400V / 230V
Output Power (163°C / 27°C) :	450kVA / 360kW

Prime Power (PRP)

A Prime rated generator set is capable of providing power to a varying load for an unlimited number of hours per year. Ten percent overload is allowed at one in 12 hours.

Emergency Standby Power (ESP)

A Standby rated generator set is capable of providing max. power to a varying load for 200 hours per year. No overload is allowed.

Standard Reference Conditions

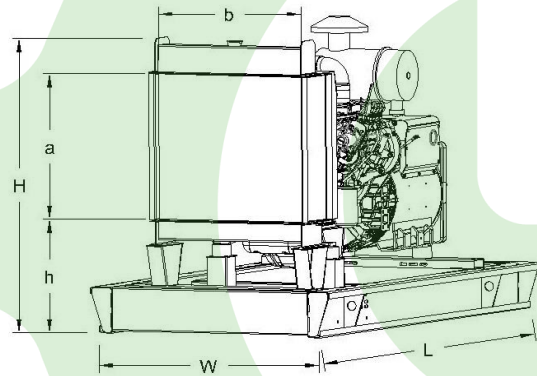
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	3350X1400X2780 / TBA	3560
	L x W x H (mm) / a x b x h (mm)	Wet (kg)
W/O Canopy :	2900X1300X1880 / 1050 x 1000 600	2750

Dry = Without any liquid

Wet = With lube oil, coolant and fuel



Air Intake System :	Turbocharged & Aftercooled
Governor Type / Class 8528 :	Electronic / G2
Total Oil Capacity [lt] :	35
Oil Type :	API CI-4, CH4/ 15W-40
Cooling System Capacity [lt] :	68
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	N/A
Housing - Flywheel :	1-14

Regulation Type / Model :	AVR / R150
Protection Class :	IP23
Efficiency :	93.3%
Voltage Regulation (Steady State) :	± 1.0%
THD (Total Harmonic Distortion) :	< 1,5% w/o load/ < 5 % on load
	15% 260kVA
Voltage Dip.	25% 490kVA
	30% 605kVA

f = 50Hz, Voltage dip is given for Locked rotor at P.F.=0.6 .