

GENERATOR SET

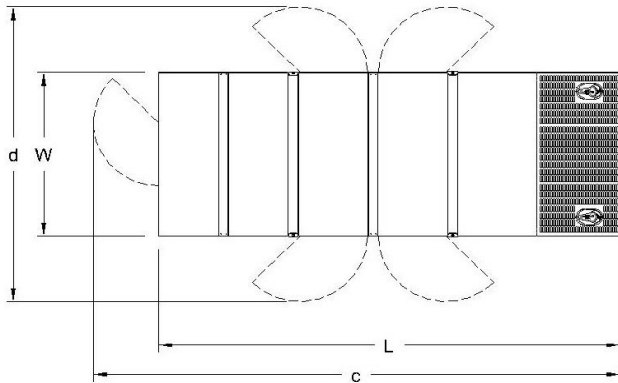
Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz cosφ = 0.8	172kVA / 137,6kW	189kVA / 151kW
Engine Make / Model :	FPT - N67TM4	
Generator Make / Model :	Leroy Somer / TAL046A	
Control Panel :	ComAp Inteligen AMF9	
Charge Alternator [V / A] :	14V / 90A	
Battery Charger [V / A] :	12 / 5	
Battery / Capacity [V / Ah] :	1 x 105 Ah	
Block Water Heater [W] :	1500 W / 230V	
ATS Model / Length x Width x Depht * :	315A / 750x300x750	

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	42,2	36,6	29,4	18
Fuel Tank Capacity [lt] Open skid / Canopied :	200 / 250			

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



Diesel Engine

Manufacturer :	FPT
Engine Model :	N67TM4
No. of Cylinders / Alignment :	6L
Bore / Stroke [mm] :	104 / 132
Compression Ratio :	17,5/1
Displacement [lt] :	6,7
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	170 / 154,7

Generator

Manufacturer :	Leroy Somer
Alternator Model :	TAL046A
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) :	200kVA / 160kW

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

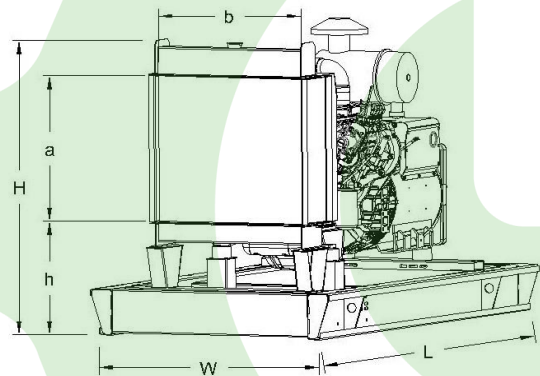
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	3000x1100x1930 / RFI	1950
	L x W x H (mm) / a x b x h (mm)	Wet (kg)
W/O Canopy :	2400X900X1670 / 920X700X490	1490

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] :	17,2
Oil Type :	API CI-4 / 15W-40
Cooling System Capacity [lt] :	25,5
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	N/A
Housing - Flywheel :	SAE 3/11,5

Regulation Type / Model :	AVR / R150
Protection Class :	IP23
Efficiency (Pf 0,8 Prime) :	91.8%
Voltage Regulation (Steady State) :	± 1.0%
THD (Total Harmonic Distortion) :	< 2,5% w/o load/ < 5 % on load
	15% 155kVA
Voltage Dip.	25% 295kVA
	30% 385kVA

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