

GENERATOR SET

Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz cosφ = 0.8	250kVA / 200kW	275kVA / 220kW

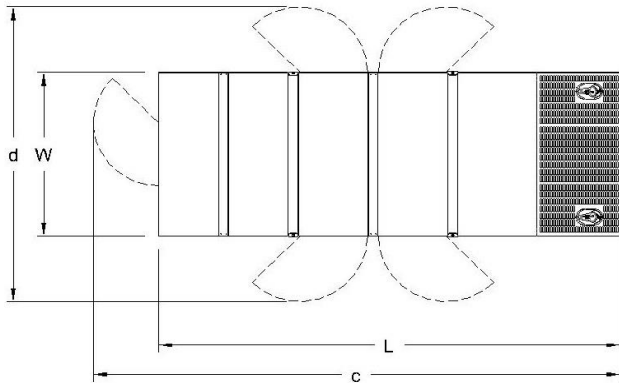
Engine Make / Model :	FPT - N67TE8W
Generator Make / Model :	Leroy Somer - TAL046D
Control Panel :	ComAp AMF 9 Lite
Charge Alternator [V / A] :	28 / 90
Battery Charger [V / A] :	24 / 5
Battery / Capacity [V / Ah] :	2 x (12V / 105Ah)
Block Water Heater [W, V] :	1500 W, 230V
ATS Model / Length x Width x Height * :	350A / 750x750x300

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	58,2	55,3	45,2	30

Fuel Tank Capacity [lt] : Open skid / Canopied : 220 / 390

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



Diesel Engine

Manufacturer :	FPT
Engine Model :	N67TE8W
No. of Cylinders / Alignment :	6L
Bore / Stroke [mm] :	117 / 135
Compression Ratio :	15,9 : 1
Displacement [lt] :	8,7
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	255 / 235

Generator

Manufacturer :	Leroy Somer
Alternator Model :	TAL046D
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) :	275kVA / 220kW

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)
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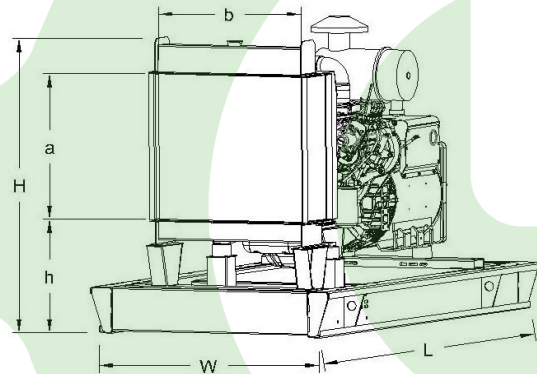
Canopy :	3100X1100X2100 / TBA	2160
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	L x W x H (mm) / a x b x h (mm)	Wet (kg)
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W/O Canopy :	2600X900X1710 / 900 x 700 x 570	1655
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Dry = Without any liquid

Wet = With lube oil, coolant and fuel



Air Intake System :	Turbo Charged, After Cooled
Governor Type / Class 8528 :	Electronic
Total Oil Capacity [lt] :	28
Oil Type :	API CI-4, CH4/ 15W-40
Cooling System Capacity [lt] :	58
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	N/A
Housing - Flywheel :	SAE1/14

Regulation Type / Model :	AVR / R150
Protection Class :	IP23
Efficiency (Pf 0,8 Prime) :	91.3%
Voltage Regulation (Steady State) :	± 1.0%
THD (Total Harmonic Distortion) :	< 2,5% w/o load/ < 5 % on load
	15% 150kVA
Voltage Dip.	25% 290kVA
	30% 365kVA

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