

GENERATOR SET

Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz $\cos\phi = 0.8$	260kVA / 208kW	286kVA / 228kW

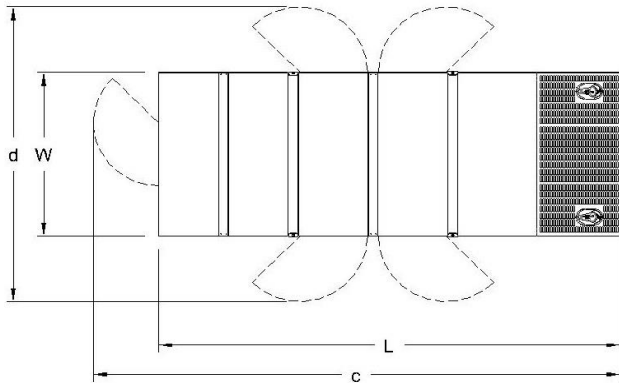
Engine Make / Model :	FPT - C87TE4
Generator Make / Model :	ALR - AA314D
Control Panel :	ComAp AMF 9 Lite
Charge Alternator [V / A] :	28 / 90
Battery Charger [V / A] :	24 / 5
Battery / Capacity [V / Ah] :	2 x (12 / 120Ah)
Block Water Heater [W] :	1500
ATS Model / Length x Width x Depth * :	400A / 750x750x300

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	72,4	66,6	52,6	37,3

Fuel Tank Capacity [lt] Open skid / Canopied : 380 / 385

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



Diesel Engine

Manufacturer :	FPT
Engine Model :	C87TE4
No. of Cylinders / Alignment :	6 / Inline
Bore / Stroke [mm] :	117 / 135
Compression Ratio :	15,9 : 1
Displacement [lt] :	8,7
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	305 / 281

Generator

Manufacturer :	ALR
Alternator Model :	AA314D
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) :	330kVA / 264kW

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

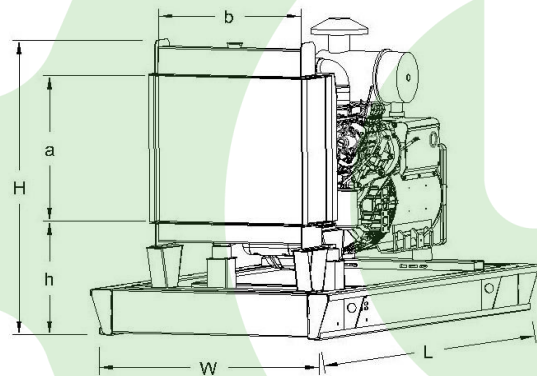
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	3400x14000x2150 / RFI	3090
	L x W x H (mm) / a x b x h (mm)	Wet (kg)
W/O Canopy :	2700x1250x1800 / 100X940X620	2540

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] :	28
Oil Type :	API CI-4, CH4/ 15W-40
Cooling System Capacity [lt] :	58
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	Fuel Optimized
Housing - Flywheel :	1-14

Regulation Type / Model :	AVR / SX440
Protection Class :	IP23
Efficiency (Pf 0,8 Prime)	93,0%
Voltage Regulation (Steady State) :	± 1.0%
THD (Total Harmonic Distortion) :	< 3.5%
	15% RFI kVA
Voltage Dip.	25% RFI kVA
	30% RFI kVA

f = 50Hz, $\cos\phi = 0$ is for given.