

GENERATOR SET

Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz $\cos\phi = 0.8$	410kVA / 328kW	450kVA / 360kW

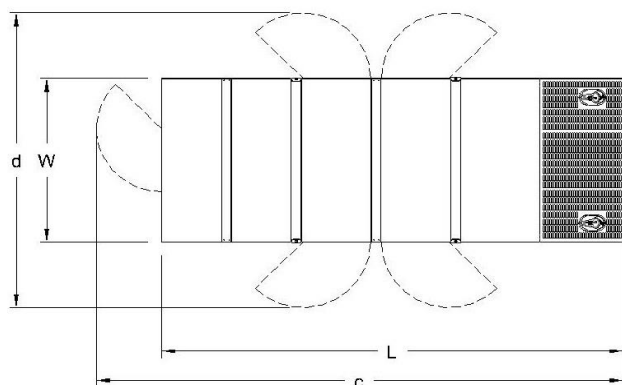
Engine Make / Model :	FPT - C13TE3A
Generator Make / Model :	ALR - AA314G
Control Panel :	ComAp AMF 9 Lite
Charge Alternator [V / A] :	28 / 90
Battery Charger [V / A] :	24 / 5
Battery / Capacity [V / Ah] :	2 x (12 x 180 Ah)
Block Water Heater [W, V] :	1500 W, 230 V
ATS Model / Length x Width x Depth * :	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 :	ALR
Alternator Model :	AA314G
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)
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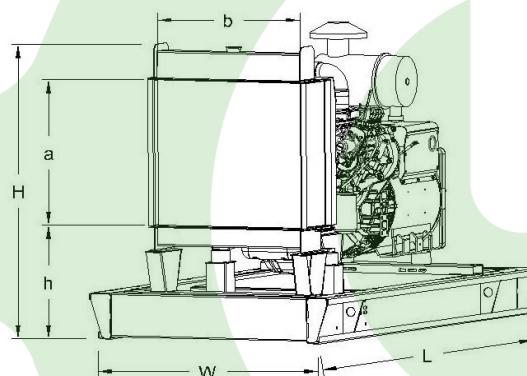
Canopy :	3350X1400X2780 / TBA	3560
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	L x W x H (mm) / a x b x h (mm)	Wet (kg)
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W/O Canopy :	2900X1300X1880 / 1050 x 1000 600	2750
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Dry = Without 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 / SX440
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Protection Class :	IP23
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Efficiency (Pf 0,8 Prime)	93,4%
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Voltage Regulation (Steady State) :	± 1.0%
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THD (Total Harmonic Distortion) :	< 3.5%
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	15%	RFI kVA
Voltage Dip.	25%	RFI kVA
	30%	RFI kVA

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