

GENERATOR SET

Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz $\cos \phi = 0.8$	600kVA / 480kW	660kVA / 528kW

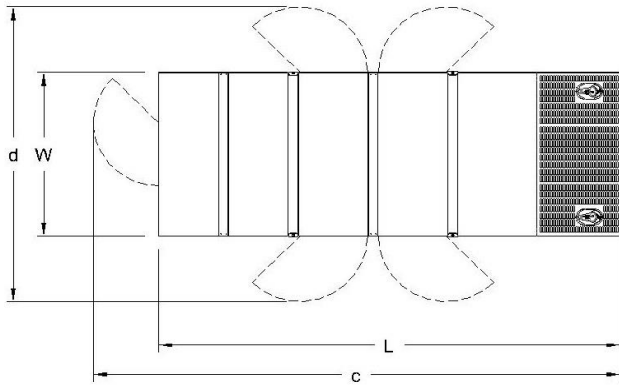
Engine Make / Model :	FPT - CR16TE1W
Generator Make / Model :	ALR - AA354E
Control Panel :	ComAp AMF 9 Lite
Charge Alternator [V / A] :	28 / 90
Battery Charger [V / A] :	24 / 5
Battery / Capacity [V / Ah] :	2 x (12 / 180)
Block Water Heater [W] :	2000 W
ATS Model / Length x Width x Depth * :	1000A / 1000x850x320

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	130	116	93	59

Fuel Tank Capacity [lt] : Open skid / Canopied : 680 / 700

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



Diesel Engine

Manufacturer :	FPT
Engine Model :	CR16TE1W
No. of Cylinders / Alignment :	6 / L
Bore / Stroke [mm] :	141 / 170
Compression Ratio :	16,5 : 1
Displacement [lt] :	15,9
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	570 / 518

Generator

Manufacturer :	ALR
Alternator Model :	AA354E
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) :	660kVA / 528kW

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

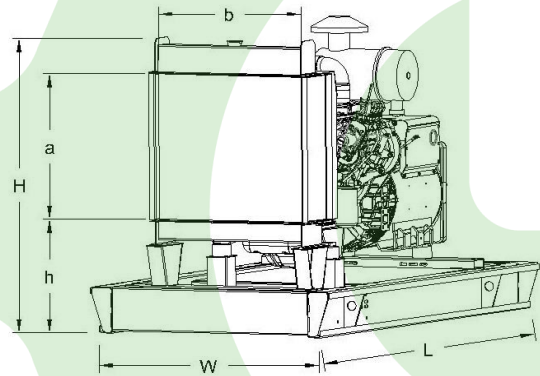
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	3550X1400X2780 / TBA	4150
	L x W x H (mm) / a x b x h (mm)	Wet (kg)
W/O Canopy :	3200X1300X1950 / 1030 x 1090 x 700	3210

Dry = Without any liquid

Wet = With lube oil, coolant and fuel



Air Intake System :	Turbocharged & Intercooled
Governor Type / Class 8528 :	Electronic
Total Oil Capacity [lt] :	38
Oil Type :	API CI-4, CH4/ 15W-40
Cooling System Capacity [lt] :	52,5
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	N/A
Housing - Flywheel :	1-14

Regulation Type / Model :	AVR / SX440
Protection Class :	IP23
Efficiency :	94,9%
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.