

GENERATOR SET

Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz cosφ = 0.8	648kVA / 518kW	715kVA / 572kW
Engine Make / Model :	Baudouin - 6M33G715/5	
Generator Make / Model :	Leroy Somer - TAL047F	
Control Panel :	ComAp AMF 9 Lite	
Charge Alternator [V / A] :	24.0 / 55-Negative	
Battery Charger [V / A] :	27.3 / 5	
Battery / Capacity [V / Ah] :	2 x (12 / 120)	
Block Water Heater [W] :	2000 W	
ATS Model / Length x Width x Dept * :	1000A / 1000x850x320	

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	153,6	135,1	99,3	66,4
Fuel Tank Capacity [lt] : External fuel tank	1000-9			

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



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

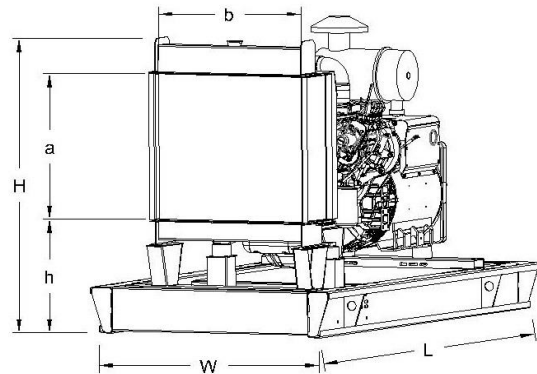
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	4100X2000X3130 / TBA	5940
	L x W x H (mm) / a x b x h (mm)	Wet (kg)
W/O Canopy :	3800X1700X2200 / 1500 x 1520 x 240	4985

Dry = Without any liquid

Wet = With lube oil, coolant and fuel



Diesel Engine

Manufacturer :	Baudouin
Engine Model :	6M33G715/5
No. of Cylinders / Alignment :	6 / L
Bore / Stroke [mm] :	150 / 185
Compression Ratio :	15,0 : 1
Displacement [lt] :	19.6
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	575 / 633

Generator

Manufacturer :	Leroy Somer
Alternator Model :	TAL047F
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

Air Intake System :	Turbocharged & Intercooled
Governor Type / Class 8528 :	Electronic / G2
Total Oil Capacity [lt] :	64
Oil Type :	API CI-4, CH4/ 15W-40
Cooling System Capacity [lt] :	129
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	N/A
Housing - Flywheel :	1-14

Regulation Type / Model :	AVR / R150	
Protection Class :	IP23	
Efficiency :	94.9%	
Voltage Regulation (Steady State) :	± 1.0%	
THD (Total Harmonic Distortion) :	< 1.5%	
	15%	450kVA
Voltage Dip.	25%	850kVA
	30%	1100kVA

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