

## GENERATOR SET

### Power Ratings

Voltage, Frequency 400V, 50Hz cosφ = 0.8	PRP 1875kVA / 1500kW	ESP 2000kVA / 1600kW
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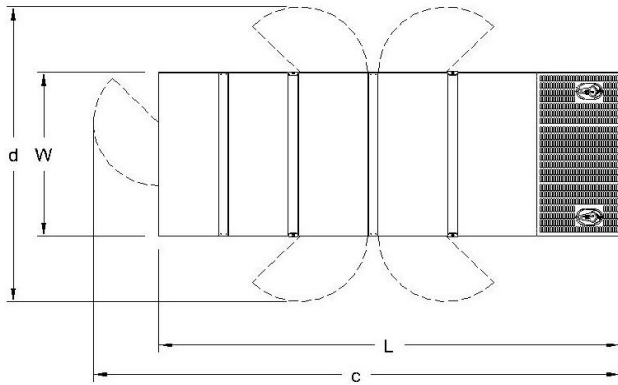
Engine Make / Model :	Cummins - QSK60G3
Generator Make / Model :	Leroy Somer - LSA 52.3S5
Control Panel :	ComAp Inteligen AMF9
Charge Alternator [V / A] :	24V / 55A
Battery Charger [V / A] :	24 / 5
Battery / Capacity [V / Ah] :	4 x 150 Ah
Block Water Heater [W] :	2 X 2000 W / 230V
ATS Model / Length x Width x Dept * :	3200A / 1600 x 1700 x 700

### Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	408	371	276	196

Fuel Tank Capacity [lt - h] : 3000 ltrs (EXT) for open skid and canopied.

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



### Diesel Engine

Manufacturer :	Cummins
Engine Model :	QSK60G3
No. of Cylinders / Alignment :	16V
Bore / Stroke [mm] :	159 / 190
Compression Ratio :	14,5/1
Displacement [lt] :	60,2
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	1790 / 1615

### Generator

Manufacturer :	Leroy Somer
Alternator Model :	LSA 52.3S5
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 ) :	2046 kVA / 1637 kW

\*Arep is standard, PMG is optional

### 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

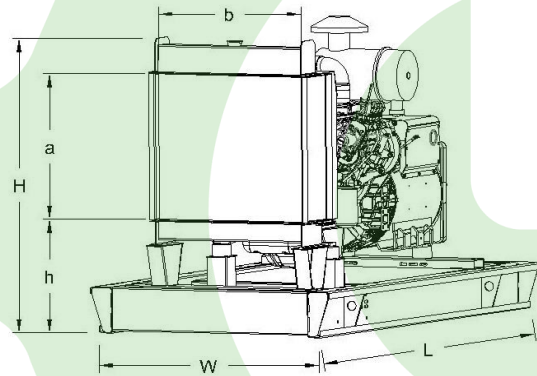
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

### Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	6500 x 2750 x 4370 / TBA	14165 kg
	L x W x H (mm) / a x b x h (mm)	Dry (kg)
W/O Canopy :	6200 x 2500 x 3400 / 2200 x 2247 x 663	12615 kg

Dry = Without any liquid

Wet = With lube oil, coolant and fuel



Air Intake System :	Turbo Charged, After Cooled
Governor Type / Class 8528 :	Electronic / G2
Total Oil Capacity [lt] :	280
Oil Type :	API CI-4 / 15W-40
Cooling System Capacity [lt] :	242
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	TA Luft
Housing - Flywheel :	SAE 0

Regulation Type / Model :	AVR / D510C	
Protection Class :	IP23	
Efficiency :	96,1%	
Voltage Regulation (Steady State) :	± 0.5%	
THD (Total Harmonic Distortion) :	< 4% w/o load	
	15%	1700 kVA
Voltage Dip.	25%	3350 kVA
	30%	4420 kVA

f = 50Hz, cos φ = 0,8 is for given.