

## Features:

- Rotate speed governor: Electronic
- Excitation system: AREP
- A.V.R model: R450
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 4x12V sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy  
(Only for Soundproofed sets)
- 50Ø radiator
- Oil pump on the engine
- Steel base frame with fork holes
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for daily running
- Drain points for fuel tank
- Operation Manual / Specifications



### Output Ratings

Generating Set Model	Prime Power*	Standby Power**
EP725	725kVA/580kW	798kVA/638kW

Ratings at 0.8 power factor

### Dimensions and Weights

Model	Length (L) mm	Width (W) mm	Height (H) mm	Dry Weight kg
EP725	6058	2438	2730	11250

### Ratings and Performance Data

<b>Engine Make &amp; Model:</b>	Perkins 4006-23TAG3A
<b>Alternator Brand:</b>	Leroy somer
<b>Alternator Model:</b>	LSA49.1M6
<b>Control System:</b>	Auto Gen
<b>Circuit Breaker Type:</b>	3 Pole MCCB
<b>Frequency &amp; Phase:</b>	50Hz & 3PH
<b>Engine Speed: RPM</b>	1500
<b>Fuel Tank Capacity: litres</b> EP725	1150
<b>Fuel Consumption: l/hr (100% Load)</b> - Prime Power - Standby Power	172 194

### Notes:

#### \*Prime Power

Continuous duty operation, under variable load 24/24h-10% over load permissible 1 hour/12 hours;

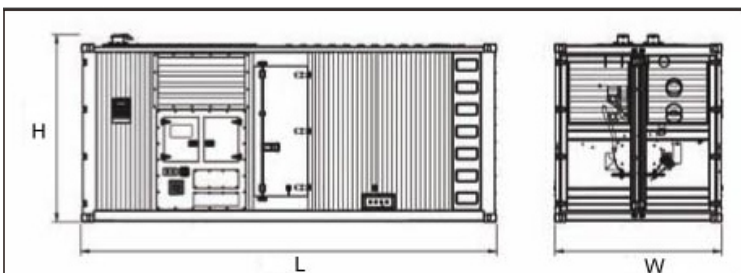
#### \*\*Standby Power

Standby duty, operation under variable load, without over load;

#### Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m(328 ft) A.S.L. 30% relative humidity.

Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.





## Alternator model: LSA49.1M6

Alternator Physical Data	
<b>Manufactured by:</b>	Leroy somer
<b>Model:</b>	LSA49.1M6
<b>No. of Bearings:</b>	Single
<b>Insulation Class:</b>	H
<b>Winding Pitch Code:</b>	2/3
<b>Wires:</b>	6
<b>Ingress Protection Rating:</b>	IP23
<b>Excitation System:</b>	AREP or PMG
<b>AVR Model:</b>	R450

Alternator Operating Data	
<b>Overspeed: rpm</b>	2250min <sup>-1</sup>
<b>Voltage Regulation: (Steady state)</b>	± 0.5%
<b>Wave Form NEMA = TIF:</b>	<50
<b>Wave Form IEC = THF:</b>	<2%
<b>Total Harmonic content LL/LN:</b>	No load <4%-on load <4%
<b>Radio Interference:</b>	
<b>Radiant Heat: kW (Btu/min)</b>	
<b>EP725</b>	

Alternator Performance Data: EP725	
<b>Data Item</b>	
<b>Motor Starting Capability* kVA</b>	1985
<b>Short Circuit Ratio** %</b>	0.43
<b>Reactances: Per Unit</b>	
Xd	301
X'd	14.7
X''d	11.7

Voltage Technical Data EP725				
Voltage	Prime:		Standby:	
	kVA	kW	kVA	kW
380/220V	725	580	760	608
400/230V	725	580	760	608
415/240V	725	580	760	608

# Control System PLC-7420

## FEATURES

- Microprocessor control, with high stability and credibility .
- Mains supply and generator operation monitoring.
- Indicating operation status and fault conditions.
- Multiple protections; multiple parameters display, such as pressure, temperature.
- Manual and automatic work mode selectable.
- Real time clock for time and date display, overall runtime display, 99 log entries
- Overall power output display.
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed.
- Communication with PC via RS485 or RS232 interface, using MODBUS protocol.
- Engine ECU is available.
- Common USB cable is usable for parameter configuration.
- Multi-language is available.

