

City Generators Power On

Engine	Engine		Alternator	Alternator		Powered by	
Lister Petter LP689G1 Ler		Leroy	eroy-somer TAL-A44-M		Lister Petter		
Frequency	Phase		Power Factor		Emissions		
50Hz/1500rpm	3-Phase		Factor Cos Φ = 0.8		Stage II		
RATINGS	Prime (PF			y Power SP)	Rated Current (Amps)	Fuel Consumption @100% Load	
Voltage (V)	kWe	kVA	kWe	kVA	(A)	L/h	
380/220	165	206	182	227	313.4	44.10	
400/230	165	206	182	227	297.7	44.10	
415/240	165	206	182	227	286.9	44.10	
						= 0	



-Lister Petter High efficient water cooled diesel engine. -Single bearing Leroy brushless alternators (Class H, with AVR).

- Radiator with pressure cap and drain point.

-Fully guarded engine-driven fan.

-Fully welded steel skid base with lifting holes and fork lift legs. -Integral fuel tank with filler cap and gauge (≤650kVA).

-Heavy duty rubber anti-vibration mountings.

-12V or 24V maintenance free starter battery and connecting cables.

-Separate engine-driven battery charging alternator.

-Spin on oil and fuel filters and dry type air filter element.

-Industrial silencer (15dBA reduction) supplied loose.

-Auto start control system with LCD show.

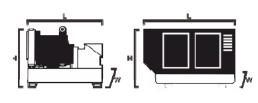
-Battery charger provided.

-Main line 3P circuit breaker.

-Rigorous factory test wiring with IEC standard.

-Operation & Maintenance manual & Wiring diagrams.

-Wide range of optional extra features available.



DIMWNSIONS & WEIGHTS	OPEN	SILENT
Length (L)-mm	3400	3852
Width (W)-mm	1100	1150
Height (H)-mm	1650	2032
Dry Weight-kg:	2038	2600
Standard Fuel Tank Capacity(H)	527	527
(dBA)@7m no load	≤90	≪75

Ratings:

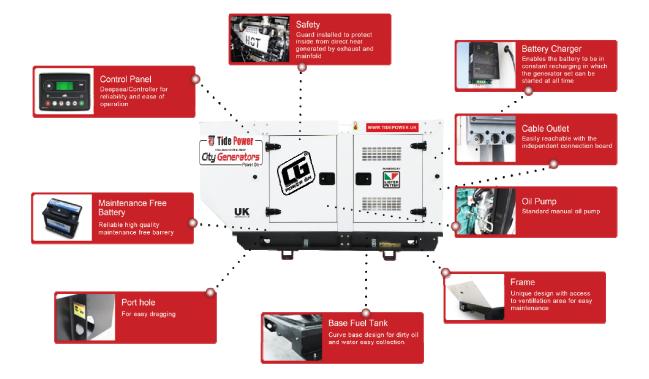
Three phase generators rated at 0.8 power factor. All single-phase generators rated at 0.8 or 1.0 power factor.

(1)PRP (Prime Power): Available continuously at variable load in lieu of commercially purchased power for an unlimited number of hours per year accordance with ISO8528-1, and an overload of 10% permitted for one hour in every twelve hours of operation in accordance with ISO 3046-1.

(2)ESP (Standby Power): Emergency Standby Power in variable load applications in accordance with ISO8528-1 in the event of a utility power failure.



FENOVA SERIES



Sound attenuated canopy to incorporate the following standard features.

Acoustic sound attenuated canopy to nominally 74dB(A)@7m super silent and custom-built units are available on request to meet a very wide range of custom requirements.

•Lube oil and coolant drains piped to the exterior of the canopy.

·Service access doors on each side of canopy.

•Heavy lift and forklift provisions.

•Exhaust outlet on top of the canopy.

•Cable entry provisions.

•The canopy constructed from galvanised 2mm sheet metal and painted in polyester powder coating.

•Twist type "whale Tail" door lock with padlock ability

•Emergency stop button.

ADVANTAGES OF FENOVA

-Covers a wide KVA/KW range

-galvanised sheet steel canopy with laser cut areas treated before powder coating

-Compact Structure

-weather proof enclosure

-Noise Level 74dBA@7m

-Ambient temperature : -5°C--50°C

-Australian design input to build quality from over 35 years' experience in manufacturing

-2 year or 2000hrs warranty (extended warranties on request)

-Easy Operation and Maintenance with manuals provided



General Performance Engine Power kWm 185 Type of fuel injection Direct Direct Number of sylinders 6 Aspiration Turbocharged and air-to-air interco Aspiration Turbocharged and air-to-air interco Compression ratio 18:1 Total cylinder capacity Litre Evel Consumption at 100% Prime Power L/h Fuel Consumption at 100% Prime Power L/h Fuel Consumption at 100% Prime Power L/h Fuel Consumption at 25% Prime Power L/h Fuel Consumption at 25% Prime Power L/h Fuel Consumption at 25% Prime Power L/h Maximum allowable back-pressure kPa Exhaust gas flow m Exhaust gas flow m Exhaust gas flow m Assimum allowable inter restriction kPa Maximum allowable inter restriction kPa Maximum allowable inter restriction kPa Total system with radiator capacity Litres 17 Thermostat type Wax Capsule Cooling System Cooling System Oil consumption, 100% (thr) <	ENGINE	t L	ister Petter SA423G1			
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Aspiration Turbocharged and air-to-air interco Nominal cylinder borexStoke mm 114x1 Total cylinder capacity Litte 8.82 Speed governor Electronic 18.1 Speed governor Electronic 19.1 Fuel Consumption at 100% Prime Power L/h 49.6 Fuel Consumption at 100% Prime Power L/h 43.1 Fuel Consumption at 50% Prime Power L/h 3.4 Exhaust gas temperature, continuous °C 550 Exhaust gas temperature, overload °C 550 Exhaust gas temperature, overload °C 650 Cooling bystem Total system with radiator capacity Litres 48 Total system without radiator capacity Litres 10 10 Cooling Dackage maximum operating temperature °C 820 10 Thermostat type Wax Capsule	Performance	Type of fuel injection		Direct		
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Compression ratio 18:1 Speed governor Electronic Fly wheel housing SAE 2 Fuel Consumption at 10% Prime Power L/h 49.6 Fuel Consumption at 70% Prime Power L/h 32.8 Fuel Consumption at 75% Prime Power L/h 32.8 Fuel Consumption at 25% Prime Power L/h 32.8 Fuel Consumption at 25% Prime Power L/h 10.4 Maximum allowable back-pressure KPa 5.10 Exhaust gas flow m ³ /min 28 Exhaust gas temperature, continuous *C 505 Combustion air flow m ³ /min 16 Exhaust gas temperature, overload *C 6000 Exhaust gas temperature, overload *C 6000 Combustion air flow m ³ /min 16 12.1 Exhaust gas temperature, overload *C 6000 12.0 Cooling system Total system with radiator capacity Litres 48 Total system without radiator capacity Litres 19.0 Thermostat fully open *		Nominal cylinder bore×Stoke	mm	114×144		
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Minimum temperature to engine °C -25 Cooling fan flow rate m³/s 6.2 Lubrication Sump capacity including filter Litres 19 Oil consumption, 100% (l/hr) L/hr 0.06 Lubricating oil temperature °C 90-10 Maximum oil temperature °C 90-10 Maximum oil temperature °C 108 Electrical System Starter motor 24V×7.5kW Battery AGM AGM ALTERNATOR ● 50Hz/1500rpm Manufacture / Brand Leroy-somer Model TAL-A44-M Coupling / No. of Bearings Direct / Single Bearing Phase / Poles 3-Phase / 4-Pole Power Factor Cos Φ = 0.8 AVR Regulation Yes Voltage Regulation ±1 % Insulation Class H Drip Proof IP23 Voltage Regulator AVR Attitude ≤1000 m	oling System	Thermostat opens	°C	82		
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Lubrication SystemOil consumption, 100% (l/hr)L/hr0.06 L/hrSystemLubricating oil temperature°C90-10 90-10Maximum oil temperature°C108Electrical System VoltageV24Starter motor24V×7.5kW Battery24ALTERNATOR \blacksquare 50Hz/1500rpmManufacture / BrandLeroy-somer ModelAGMCoupling / No. of BearingsDirect / Single Bearing Phase / Poles3-Phase / 4-PolePower FactorCos $\Phi = 0.8$ A/VR RegulationYes Voltage RegulationYes H Drip ProofVoltage Regulation±1 % Insulation ClassH Drip Proof1P23 Voltage RegulatorVoltage RegulatorAVR AVR Altitude $\le 1000 \text{ m}$		Sump capacity including filter	Litres	19		
Maximum oil temperature °C 108 Electrical System Voltage V 24 Starter motor 24V×7.5kW Battery AGM ALTERNATOR Image: Comparison of the system of the sy			L/hr	0.06		
Electrical System Voltage V 24 Starter motor 24V×7.5kW Battery AGM ALTERNATOR Image: Comparison of the processing of the procesesing of the processing of the processing of the proces	stem	Lubricating oil temperature	°C	90-105		
Electric System Starter motor 24V×7.5kW Battery AGM ALTERNATOR ▲ 50Hz/1500rpm Manufacture / Brand Leroy-somer Model TAL-A44-M Coupling / No. of Bearings Direct / Single Bearing Phase / Poles 3-Phase / 4-Pole Power Factor Cos Φ = 0.8 AVR Regulation ¥1 % Insulation Class H Drip Proof IP23 Voltage Regulator AVR Attitude ≤1000 m		Maximum oil temperature	C°	108		
Battery AGM ALTERNATOR Image: mail of the		Electrical System Voltage	V	24		
Battery AGM ALTERNATOR Image: mail of the	ectric System	Starter motor		24V×7.5kW		
Manufacture / Brand Leroy-somer Model TAL-A44-M Coupling / No. of Bearings Direct / Single Bearing Phase / Poles 3-Phase / 4-Pole Power Factor Cos Φ = 0.8 AVR Regulation ¥es Voltage Regulation ±1 % Insulation Class H Drip Proof IP23 Voltage Regulator AVR Attitude ≤1000 m	-	Battery		AGM		
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Model TAL-A44-M Coupling / No. of Bearings Direct / Single Bearing Phase / Poles 3-Phase / 4-Pole Power Factor Cos Φ = 0.8 AVR Regulation Yes Voltage Regulation ±1 % Insulation Class H Drip Proof IP23 Voltage Regulator AVR Altitude ≤1000 m				Lorov comor		
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CONTROLLER 7



The DSE7410 is an Auto Start Control Module and the DSE7420 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. A sophisticated module monitoring an extensive number of engine parameters, the DSE74xx will annunciate warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LED, remote PC, audible alarm and via SMS text alerts once commected to the DSE890Mk11 remote monitorign (additional cost).

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The module includes RS232, RS485 & Ethernet ports as well as dedicated terminals for system expansion. The DSE7400 Series modules are compatible with electronic (CAN) and non-electronic (magnetic pick up/alternator sensing) engines and offer a comprehensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements. The modules can be easily configured using the DSE Configuration Suite Software. Selected front panel editing is also available.Generator sets built with world wide leading brands

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Power On



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