

HSL AIR COOLED SAVER GENSETS

HSL 8, HSL 15, HSL 24

50 Hz; 1500 r/min; power outputs: 4.1 - 19.9 kVA

60 Hz; 1800 r/min; power outputs: 5.0 - 24.2 kVA

HANDSTART AIR COOLED GENSET WITH ELECTRONIC DISPLAY MODULE

BASIC CHARACTERISTICS

- 50Hz, 1500 r/min, or 60Hz, 1800 r/min
- Lister Petter T Series air cooled, direct injection, naturally aspirated diesel engine (one, two or three cylinders)

STANDARD FEATURES

- Lister Petter T Series engine as above
- electronic digital display module
- single-bearing, 4-pole brushless alternator
- 66-litre polypropylene fuel tank with contents gauge
- galvanised steel base-plate with forklift pockets and bunding for the fuel tank
- engine-mounted exhaust silencer
- anti vibration mountings
- hand starting only
- starting handle (not anti kick-back)
- mechanical governing
- flywheel mounted cooling fan
- operators' handbook
- electrical diagrams

ELECTRONIC DISPLAY MODULE

The display module gives digital readouts of:

- generator voltage (phase-to-phase and phase-to-neutral)
- generator current (each phase displayed separately)



HSL 24 SAVER GENSET

- output frequency
- output power
- hours run

ALTERNATOR SPECIFICATION

- single bearing, 4-pole brushless alternator
- solid state AVR with $\pm 1.5\%$ voltage regulation as standard
- class "H" insulation on the rotor and stator
- IP23 protection class

POWER OUTPUTS TO ISO 8528-1 AND EMISSIONS COMPLIANCE

Model	Engine	Rating	50 Hz, 1500 r/min				60 Hz, 1800 r/min			
			Single Phase		Three Phase		Single Phase		Three Phase	
			220V * 230V * 240V *		380/220V * 400/230V * 415/240V *		220 or 110V * 230 or 115V * 240 or 120V *		220/127V * 230/133V *	
			kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe
HSL 8	TR1	Prime ¹	4.1	4.1	5.3	4.3	5.0	5.0	6.7	5.3
		Standby ²	4.5	4.5	5.9	4.7	5.5	5.5	7.3	5.9
HSL 15	TR2	Prime ¹	8.6	8.6	11.2	9.0	9.5	9.5	13.6	10.9
		Standby ²	9.4	9.4	12.3	9.9	10.5	10.5	15.0	12.0
HSL 24	TR3	Prime ¹	14.0	14.0	18.1	14.5	17.3	17.3	22.0	17.6
		Standby ²	15.4	15.4	19.9	15.9	19.0	19.0	24.2	19.4

APPROXIMATE FUEL CONSUMPTION

Genset	Load	litres/hour	
		50 Hz, 1500 r/min	60 Hz, 1800 r/min
HSL 8	100%	1.5	1.9
	75%	1.2	1.5
HSL 15	100%	3.1	3.7
	75%	2.4	2.9
HSL 24	100%	4.6	5.5
	75%	3.6	4.3

RATING DEFINITIONS TO ISO 8528-1

Ratings Conditions

A standard generating set is designed to operate in environmental reference conditions

ISO 3046 Standard Conditions

Barometric pressure 100 kPa
Relative humidity 30%
Ambient air temperature at the inlet manifold 25°C

1. Prime Power

This rating is for the supply of continuous power (at variable load), there is no limit on the annual hours of operation and 10% overload (intermittent) power can be supplied for 1 hour in 12.

2. Standby Power

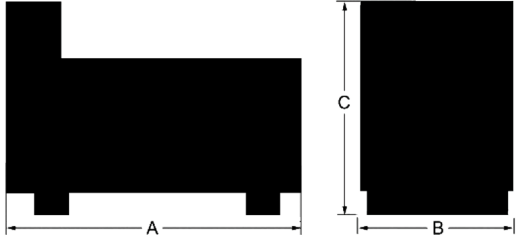
This rating is for the supply of continuous power (at variable load) in the event of a utility power failure. No overload (intermittent) power is permitted.

- * Other voltages are available on request
- Power Factor (pf). Single phase 1.0 pf; three phase 0.8 pf.
- Power outputs are based on standard Lister Petter Alternators.
- Mecc Alte alternators are available as an option, ratings are different

- For ratings definitions see page 2

Key to Emissions Compliance

EU Stage 3A only	
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APPROXIMATE DIMENSIONS AND WEIGHT					
		HSL 8	HSL 15	HSL 24	
<p>Side elevation (left); end elevation (right)</p> 	Dry weight	kg	358	428	518
		lb	789	943	1142
	Length (A)	mm	1442	1442	1442
		in	56.8	56.8	56.8
	Width (B)	mm	715	715	715
		in	28.1	28.1	28.1
	Height (C)	mm	1020	1020	1020
		in	40.2	40.2	40.2

A comprehensive range of options allows you to select a specification that matches your requirements. Please ask your Lister Petter distributor (see panel below).

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