

VILLAGE GENSET

LHV6, LHV13, LHV20

4.8 - 20.3 kVA, 50 Hz

6.0 - 24.9 kVA, 60 Hz

HANDSTART, EASY MAINTENANCE AIR COOLED GENERATING SET

STANDARD FEATURES

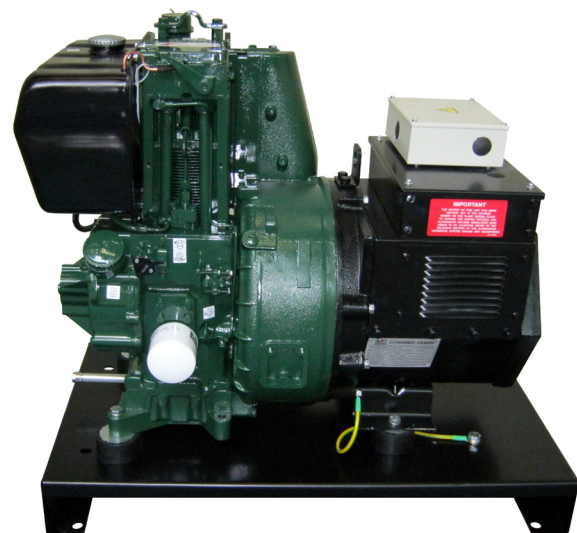
- Lister Petter T series, air cooled, naturally aspirated, direct injection diesel engine
- handle starting (not anti-kick-back)
- single bearing, 4-pole brushless alternator
- mechanical regulation
- flywheel mounted cooling fan
- output terminal box, mounted on alternator
- folded steel baseplate painted black
- 13.5 litre engine mounted fuel tank
- engine mounted industrial silencer
- anti vibration mountings
- electrical diagrams
- operators' handbook
- medium duty dry type air cleaner

OPTIONAL ITEM

- basic tool kit

ENGINE SPECIFICATION

- Lister Petter TR1, TR2 or TR3 engine
- medium duty dry-type air cleaner
- starting handle
- oil and fuel filters
- decompressor levers
- engine stop lever

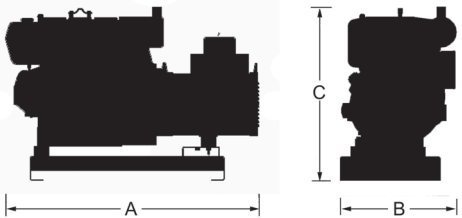


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ALTERNATOR SPECIFICATION

- 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										
			50 Hz 1500 r/min				60 Hz 1800 r/min			
			Single Phase		Three Phase		Single Phase		Three Phase	
Model	Engine	Rating	kVA	kW	kVA	kW	kVA	kW	kVA	kW
LHV6	TR1	Prime	4.4	4.4	5.9	4.7	5.5	5.5	7.2	5.8
		Standby	4.8	4.8	6.5	5.2	6.0	6.0	8.0	6.4
LHV13	TR2	Prime	9.1	9.1	11.9	9.5	11.0	11.0	14.4	11.6
		Standby	10.0	10.0	13.1	10.5	12.1	12.1	15.9	12.7
LHV20	TR3	Prime	13.9	13.9	18.4	14.7	17.1	17.1	22.6	18.1
		Standby	15.3	15.3	20.3	16.2	18.9	18.9	24.9	19.9

APPROXIMATE DIMENSIONS AND WEIGHT				
				
		LHV 6	LHV 13	LHV 20
Dry weight	kg	358	428	518
	lb	789	943	1142
Length (A)	mm	971	1026	1251
	in	38.2	40.4	49.3
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

APPROXIMATE FUEL CONSUMPTION			
		litres/hour	
		100% load	75% load
Genset	r/min/Hz		
LHV 6	1500/50Hz	1.5	1.2
LHV 13	1500/50Hz	3.1	2.4
LHV 20	1500/50Hz	4.6	3.6
LHV 6	1800/60Hz	1.9	1.5
LHV 13	1800/60Hz	3.7	2.9
LHV 20	1800/60Hz	5.5	4.3

400/230, 415/240. 50 Hz. Single phase 220/110, 230/115, 240/120; Three phase 220/127, 230/133. 60 Hz. Other voltages are available; refer to Lister Petter.

Power outputs are based on the optimum make of alternator for the set. Gensets fitted with other manufacturers' alternators may not achieve the above ratings.

Rating Conditions

A standard generating set is designed to operate in environmental reference conditions of 25 °C, 100 kPa and 30% humidity.

Prime Power

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

Standby Power

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

RATING DEFINITIONS TO ISO 8528-1

All ratings in the table are in accordance with ISO 8528-1.
 Power Factor: Single phase, 1.0 pf; three-phase, 0.8 pf.
 Voltages: Single phase 220, 230, 240; three phase 380/220V,

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DISTRIBUTOR'S ADDRESS

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