



# T-Series “Village” Genset

**LHV 6, LHV 13, LHV 20,**

**4.8-20.3 kVA, 50 Hz**

**6.0-24.9 kVA, 60 Hz**

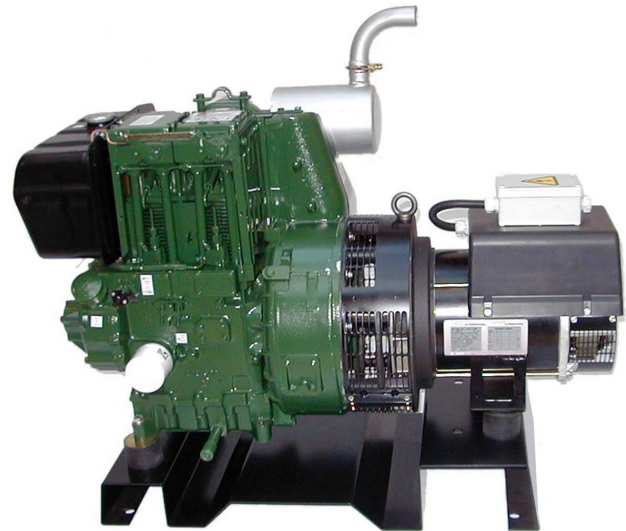
**Handstart, easy maintenance air-cooled generating set**

## Standard Features

- Lister Petter T-Series, air-cooled, direct injection, naturally aspirated 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



## Handstart Genset Power Outputs

Model	Engine	Rating	50 Hz 1500 r/min				60 Hz 1800 r/min			
			Single Phase		Three Phase		Single Phase		Three Phase	
			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

## 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, 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

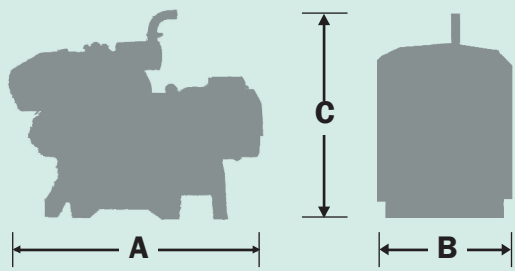
This rating is for the supply of continuous electrical power (at variable load). There is no limit on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12.

## 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.

## T-Series: "Village" Genset Technical Data Sheet

### Air-Cooled Handstart Generating Set: Approximate Dimensions and Weight

Open generating set model:		LHV 6	LHV 13	LHV 20	
Open Set: side elevation (left); end elevation (right) 	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

### 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

### 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

### Approximate Fuel Consumption

		litres/hour	
Genset	r/min/Hz	100% load	75% load
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

### Distributor's Address

Lister Petter have made efforts to ensure that the information in this data sheet is accurate but reserve the right to amend specifications and information without notice and without obligation or liability.



**UK**

Lister Petter Limited, Dursley, Gloucestershire  
 GL11 4HS England; Tel: +44 (0)1453 544141;  
 Fax: +44 (0)1453 546732;  
 E-mail: sales@lister-petter.co.uk <http://www.lister-petter.co.uk>