



# PH Classic-Series “Village” Genset

**PHV 5, PHV 10**

**kVA, 50 Hz**

## Easy maintenance air-cooled generating set

### Standard Features

- Lister Petter PH Classic-Series, air-cooled, direct injection, naturally aspirated diesel engine
- 12V electric start
- single-bearing, 4-pole brushless alternator
- mechanical regulation
- flywheel-mounted cooling fan
- control panel, mounted on alternator
- 66-litre polypropylene fuel tank with contents gauge
- galvanised steel base-plate with forklift pockets and bunding for the fuel tank
- medium-duty dry-type air cleaner
- engine-mounted industrial silencer
- anti-vibration mountings
- electrical diagrams
- Operators’ Handbook

### Optional Item

- handle-starting (not anti-kick back)

### 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.



Handstart Genset Power Outputs						
50 Hz 1500 r/min						
			Single Phase		Three Phase	
Model	Engine	Rating	kVA	kW	kVA	kW
PHV 5	PH1	Prime	5.0	5.0	5.0	4.0
		Standby	5.5	5.5	5.5	4.4
PHV 10	PH2	Prime	10.0	10.0	10.0	8.0
		Standby	11.0	11.0	11.0	8.8

### 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.

## PH Classic-Series: "Village" Genset Technical Data Sheet

Air-Cooled Handstart Generating Set: Approximate Dimensions and Weight					
Open generating set model:		PHV 5	PHV 10		
Open Set: side elevation (left); end elevation (right) 	Dry weight	kg	370	450	
		lb	816	992	
	Length (A)	mm	1400	1400	
		in	55.1	55.1	
	Width (B)	mm	715	715	
		in	28.1	28.1	
	Height (C)	mm	1248	1248	
		in	49.1	49.1	

### Engine Specification

- Lister-Petter PH1, PH2 classic series engine
- medium-duty dry-type air cleaner
- 12V electric start
- starting handle (option)
- oil and fuel filters
- decompressor levers

### 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
PHV 5	1500/50Hz	1.53	1.15
PHV 10	1500/50Hz	3.07	2.30

### 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.



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