



# A-Series Air-Cooled Genset

**AD1**

*Prime Power Range: 4.0 KVA; 4.0 kW  
Standby Power Range: 4.4 KVA; 4.4 kW*

## Engine Specification

- Lister Petter AD1 at 3000 r/min.
- single-cylinder, direct injection, naturally aspirated, air-cooled, diesel engine
- standard oil and fuel filters
- oil and filter life: 250 hours
- fuel filter life: 1000 hours
- medium-duty air cleaner
- 12-Volt electric starting
- 12-Volt, 36-Amp/hr battery
- full-load fuel consumption: 1.7 litre/hr

## Cold-Start Capabilities

- hand start: -15 °C
- hand start with 12-Volt manifold heater plug: -25 °C
- electric start with 12-Volt manifold heater plug: -25 °C

## Alternator Specification

- single-bearing, brushless, self regulating, rotating-field alternator
- solid state with  $\pm 7.5\%$  AVR
- class H insulation on the rotor and stator
- IP23 protection class
- drip-proof to IP23
- screen protected
- radio suppression to BS800



AD1 generating set

## Standard Features

- engine and alternator close coupled
- carry frame
- integral 8.25-litre fuel tank
- acoustic silencer
- anti-vibration mounts
- output sockets
- battery and leads
- battery charger

## Optional Items

- starting handle
- packing

## A-Series: AD1 Air-Cooled Generating Set Technical Data Sheet

| Weight and Dimensions                      |    |     |
|--|----|-----|
| Approximate unpacked weight and dimensions |    |     |
| Dry weight                                 | kg | 125 |
|  | lb | 275 |
| Length                                     | mm | 760 |
|  | in | 30  |
| Height                                     | mm | 600 |
|  | in | 38  |
| Width                                      | mm | 480 |
|  | in | 20  |

| Power Outputs and Voltage |     |     |
|---------------------------|-----|-----|
| 50 Hz at 3000 r/min       |     |     |
| Voltages: 240/220         |     |     |
| Single-phase, two-wire    |     |     |
|                           | kVA | kW  |
| Prime                     | 4.0 | 4.0 |
| Standby                   | 4.4 | 4.4 |

All ratings are in accordance with ISO 8528 at normal temperature and pressure, defined as 25°C ambient and at an altitude not exceeding 100 metres above sea level.  
Single phase; power factor: 1.0 pf.

### Rating Definitions to ISO 8528-1

#### Rating Conditions

A standard generating set is designed to operate in environmental conditions not exceeding an air inlet temperature of 25°C (77°F), altitude (above sea level) 152.4 metres (500 feet) and a relative humidity of 60%.

#### Prime Power

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

#### 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.

### 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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