

AIR COOLED GENSETS

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
- 12V electric starting
- 12V, 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 12V 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
- 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

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

APPROXIMATE WEIGHT AND DIMENSIONS		
Dry weight	kg	125
	lb	275
Length	mm	760
	in	30
Height	mm	600
	in	38
Width	mm	480
	in	20

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

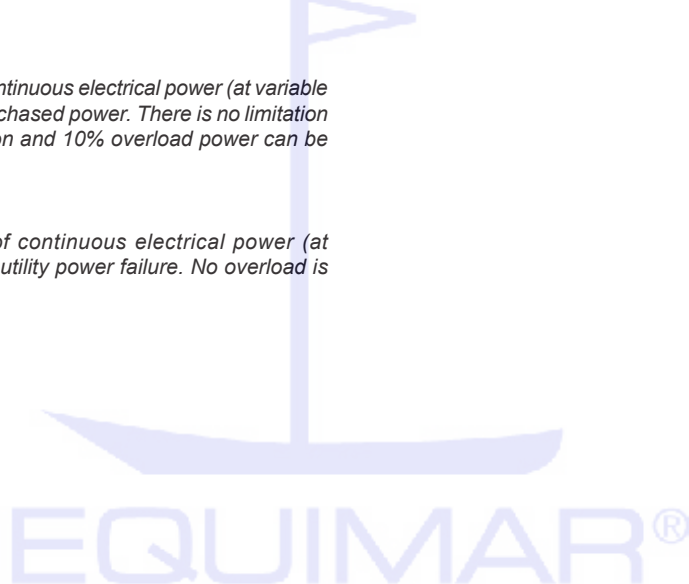
A standard generating set is designed to operate in environmental conditions not exceeding an air inlet temperature of 25°C (77°F), altitude (above sea level) 152.4 metres (500 feet) and a relative humidity of 60%.

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.



UK

LISTER PETTER LIMITED
 Long Street, Dursley, Gloucestershire, GL11 4HS, England
 TEL: +44 (0)1453 544141; FAX: +44 (0)1453 546732
 E-mail: sales@lister-petter.co.uk
 www.lister-petter.co.uk

UAE

LISTER PETTER FZE
 Dubai Silicon Oasis Headquarters,
 PO Box 341077, Dubai, UAE
 TEL: +971 4 372 4331; FAX: +971 4 372 4318
 E-mail: sales@listerpettergroup.com
 www.lister-petter.co.uk

DISTRIBUTOR'S ADDRESS

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