



These illustrations are for Reference only*

POWER DEFINITION

PRP: Prime Power is suitable for unlimited annual operating hours in applications with varying loads, complying with ISO 8528-1 standards.

ESP: The standby power rating is designed to provide emergency power in applications with fluctuating loads, adhering to ISO 8528-1 guidelines. Overloading is strictly prohibited.

TERMS OF USE

As per the standard, the designated nominal power of the genset is specified for specific conditions, including a 25 °C air inlet temperature, a barometric pressure of 100 kPa (100 m A.S.L), and 30% relative humidity. For installations with different conditions, please consult the derating table provided for accurate adjustments.

In the case of indoor use of generating sets, the ambient noise level cannot be specified in the operation and maintenance instructions due to its dependence on installation conditions. However, our exploitation and maintenance instructions do contain a cautionary notice regarding the potential hazards of air noise and emphasize the importance of implementing suitable preventive measures.

SERVICE		PRP	ESP
POWER	kVA	50	55
POWER	kW	40	44
RATED SPEED	r.p.m	1500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	190/110V, 200/115V, 208/120V, 380/220V, 400/230V & 415/240V	
RATED AT POWER FACTOR	Cos Phi	0.8	

Generator Specification



**WATER
COOLED**

50

50 Hz



DIESEL

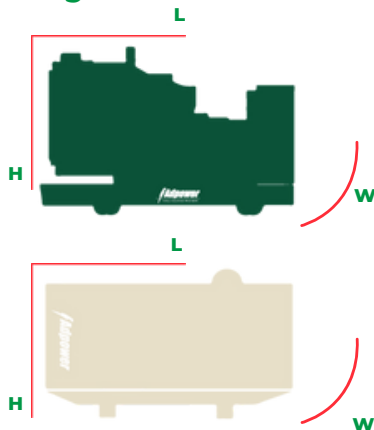


**TERMS
OF USE**



**STACKABLE
CANOPY**

Weight And Dimensions



Dimension		Open	Silent
Length(L)		1750	2300
	mm		
Width(W)		730	1110
	mm		
Height(H)		1340	1600
	mm		
Net Weight		904	1246
	Kg		
Fuel Tank		130	130
	L		

Engine Specification

Generator Engine Data	
Engine brand	LISTER PETTER
Engine Model.	SA435G1
Engine type	4-stroke Diesel
Governor type	Electronic
Aspiration	Turbocharged
Number of cylinders and arrangement	4 In-line
Bore and stroke (mm)	98 x 115
Displacement(L)	3.5 liters
Cooling system	Water-cooled (Belt driven water pump)

Generator Engine Data	
Oil consumption % SFC	≤ 0.1%
Compression ratio	18.5:1
Sump capacity including filter(L)	8.0
Total coolant capacity with radiator	14.25
Air filter (Type)	TBD

Fuel			
Consumption @ 100% load ESP	L/H	14.20	
Consumption @ 100% load (Prime)	L/H	12.26	
Consumption @ 80% load (Prime)	L/H	9.37	
Consumption @ 50% load (Prime)	L/H	6.57	



- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter

- Dry Air Filter

- Radiator with pusher fan
- Electronic governor
- Hot parts protection
- Moving parts protection

- Water jacked heater (Optional)
- Radiator water level sensor (Optional)
- Oil heater (Optional)
- Heavy duty air filter (Optional)

Alternator Specifications

Alternator Specifications	
Number of phase	3
power Factor (Cos Phi)	0.8
Poles/Frequency	4 / 50Hz
Winding Connection (standard)	Star-series
Insulation	H class
Enclosure(according IEC-34-5)	IP23

Alternator Specifications	
Excitation system	Self-excited, brushless
Voltage regulator	AVR (Electronic)
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)



- Self-Excited and self-regulated
- IP23 protection
- H class insulation

- Alternator pre-heater (Optional)
- Winding temp. measuring instrument (optional)
- PMG/AREP/MAUX (optional)

Application Data

Fuel System

Fuel oil specifications	DIESEL	
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Standard fuel tank capacity (Open)	L	130
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Standard fuel tank capacity (Silent)	L	130
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Air System

Intake air flow	L/s	TBD
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Cooling air flow	L/s	TBD
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Exhaust System

Maximum exhaust temperature	TBD
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Exhaust gas flow	TBD
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Engine oil capacity	8.0
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Starting System

Starting power	KW	TBD
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Recommended battery	AH	70
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Number of Batteries	1
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Auxiliary voltage	VDC	12
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Genset version

- Steel chasis
- Emergency stop button
- Anti-vibration shock absorbers
- Trailer type (Optional)
- Chassis with integrated fuel tank
- Fuel level gauge (Optional)
- High mechanical strength
- Epoxy polyester powder coating
- Fuel tank drain plug
- Steel residential silencer - 20dbA attenuation
- Battery charger
- Stackable canopy design

This document is non-binding - The Adpower company reserves the right to make changes to any of the specifications mentioned in this document without prior notice, as part of its continuous efforts to enhance the quality of its products. *ISO 8528. Adpower gensets adhere to ISO 9001 and CE standards, which encompass the directives listed below: · Machinery safety (2006/42/EC). · Low voltage (2006/95/EC). · EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 13849-1: 2008, EN 12601: 2010. Standard reference conditions: The ambient conditions considered as reference, as per the ISO 8528-1:2018 standard, are 1000 mbar, 25°C, and 30% relative humidity. Weights and dimensions are based on standard products, and the illustrations may feature optional equipment. The technical data provided in this catalog are accurate at the time of printing and reflect the available information.

Standard Reference Conditions

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