



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 220/127V 380/220V 400/230V 415/240V 440/254V	
RATED AT POWER FACTOR	Cos Phi	0.8	

Generator Specification



WATER COOLED



50 Hz



DIESEL

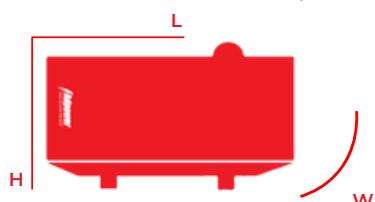
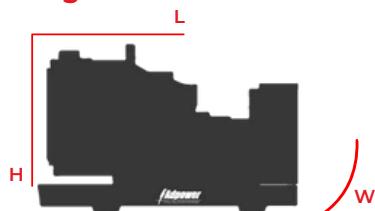


TERMS OF USE



STACKABLE CANOPY

Weight And Dimensions



Dimension		Open	Silent
Length(L)	mm	1860	2310
Width(W)	mm	760	1000
Height(H)	mm	1400	1500
Net Weight	Kg	960	1350
Fuel Tank	L	110	110

Engine Specification

Generator Engine Data		Generator Engine Data	
Engine brand	FPT/IVECO	Lube oil consumption with full load	TBD
Engine ref.	R38MSNS01.55A02	Compression ratio	17.5:1
Engine type	4-stroke Diesel	Engine oil capacity	8
Governor type	Mechanical	Total coolant capacity	16.6
Injection	Direct	Air filter (Type)	TBD
Aspiration	Turbocharged	Fuel	
Number of cylinders and arrangement	4-Vertical in-line	Consumption @ 100% load ESP	g / k W h 230
Bore and stroke (mm)	102x115	Consumption @ 100% load (Prime)	g / k W h -
Displacement(L)	3.75 liters	Consumption @ 80% load (Prime)	g / k W h 258
Cooling system	Water-cooled	Consumption @ 50% load (Prime)	g / k W h 265
 <ul style="list-style-type: none"> • Diesel engine • 4-stroke cycle • Water-cooled • 12V electrical system • Water separator filter 		<ul style="list-style-type: none"> • Dry Air Filter • Radiator with pusher fan • Electronic governor • Hot parts protection • Moving parts protection <ul style="list-style-type: none"> • Water jacked heater (Optional) • Radiator water level sensor (Optional) • Oil heater (Optional) • Heavy duty air filter (Optional) 	

Alternator Specifications

Alternator Specifications	MeccAlte	Alternator Specifications	
Model Number	ECP 32-1M	Excitation system	Self-Excited, Brushless
Number of Pole	4	Voltage regulator	AVR (Electronic)
Power Factor (Cos Phi)	0.8	No. of bearings	Single Bearing
Frequency	50Hz	Coupling system	Flexible Disc type
Winding Connection (standard)	Star-series	Coating type	EG43
Insulation	H class	 <ul style="list-style-type: none"> • Self-Excited and self-regulated • IP23 protection • H class insulation • Alternator pre-heater (Optional) • Winding temp. measuring instrument (optional) • PMG/AREP/MAUX (optional) 	
Enclosure(according IEC-34-5)	IP23		

Application Data

Fuel System

Fuel oil specifications	DIESEL	
Standard fuel tank capacity (Open)	L	110
Standard fuel tank capacity (Silent)	L	110

Exhaust System

Maximum exhaust temperature	TBD	
Exhaust gas flow	TBD	
Engine oil capacity	8	

Air System

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

Starting System

Starting power	KW	TBD
Recommended batterie	AH	70
Number of Batteries	1	
Auxiliary voltage	V DC	12

Genset version

- Steel chassis
- 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

In accordance with the ISO 8528-1:2018 standard, the reference ambient conditions are specified as 1000 mbar pressure, 25°C temperature, and 30% relative humidity.

The weights and dimensions provided are based on standard products, and any illustrations shown may include optional equipment. It is important to note that the technical data described in this catalogue reflects the information available at the time of printing.

