





POWER DEFINITION

PRP: Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1.

ESP: The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. Overload is not allowed

TERMS OF USE

According to the standard, the nominal power assigned by the genset is given for 25 °C Air Inlet Temperature, of a barometric pressure of 100 kPa (100 m A.S.L), and 30 % relative humidity. For particular conditions in your installation, refer to the derating table.

TERMS OF USE

For the generating sets used indoor, where the acoustic pressure levels depends on the installation conditions, it is not possible to specify the ambient noise level in the exploitation and maintenance instructions.

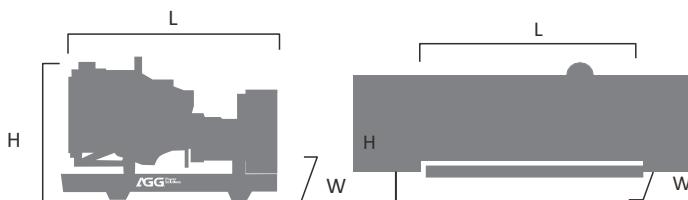
You will also find in our exploitation and maintenance instructions a warning concerning the air noise dangers and the need to implement appropriated preventive measures.

SERVICE	PRP	EPS
POWER	kVA	12
POWER	kW	13.2
RATED SPEED	r.p.m	1500
STANDARD VOLTAGE	V	230/115
AVAILABLE VOLTAGES	V	TBD
RATED AT POWER FACTOR	Cos Phi	1.0

Generator Specification

	WATER-COOLED		THREE PHASE		50 HZ		DIESEL		STACKABLE CANOPY
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Weight And Dimensions



Dimension	Open	Silent
Length(L)	mm	1740
Width(W)	mm	550
Height(H)	mm	1195
Net Weight	Kg	480
Fuel Tank	L	95
		60



Engine Specifications

General Engine Data

Engine brand	AGG	
Engine ref.	AF2270	
Engine type	4-stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	Natural	
Number of cylinders and arrangement	4-L	
Bore and stroke	mm	85 * 100
Displacement	L	2.27
Cooling system	Water-cooled	

General Engine Data

Lube oil consumption with full load	0.5%-1% of fuel consumption	
Compression Ratio	17.0:1	
Engine oil capacity	L	7.8
Total coolant capacity	L	4.85
Air Filter	Type	Dry

Fuel

Consumption @ 100% load ESP	L/H	TBD
Consumption @ 100% load PRP	L/H	4.9
Consumption @ 75% load PRP	L/H	3.7
Consumption @ 50% load PRP	L/H	2.7



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

Alternator Specifications

Number of phase	3
Power factor (Cos Phi)	0.8
Poles	4
Winding Connections (standard)	Star-serie
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	
Standard fuel tank capacity (Open)	L	95
Standard fuel tank capacity (Silent)	L	60

Exhaust system

Maximum exhaust temperature	°C	470
Exhaust gas flow	L/s	78
Maximum allowed back pressure	kPa	6.7

Air system

Intake air flow	L/s	27
Cooling air flow	L/s	1.04

Starting System

Starting power	kW	3.5
Recommended batter	Ah	60
Number of Batteries		1
Auxiliary voltage	Vdc	12V

Genset version

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

This document is not contractual –NETIS company reserves the right to modify any of the characteristics stated in this document without notice, in a constant effort to improve the quality of its products. *ISO 8528..

DYNAMIS Power gensets are compliant with ISO 9001 and CE standard, which include the following directives:

- 2006/42/EC Machinery safety.
- 2006/95/EC Low voltage
- EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 13849-1: 2008, EN 12601 : 2010

Standard reference Conditions

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Weights and dimensions based on standard products. Illustrations may include optional equipment.

Technical data described in this catalogue correspond to the available information at the moment of printing.

Control Panel Data

Features of the Control Panel	Basic Model (Standard)	Advanced Model (Optional)
• Voltage between phases	<input type="radio"/>	<input type="radio"/>
• Voltage between neutral and phase	<input type="radio"/>	<input type="radio"/>
• Current intensities	<input type="radio"/>	<input type="radio"/>
• Frequency	<input type="radio"/>	<input type="radio"/>
• Apparent power (Kva)	<input type="radio"/>	<input type="radio"/>
• Active power (Kw)	<input type="radio"/>	<input type="radio"/>
• Reactive power (kVAr)	<input type="radio"/>	<input type="radio"/>
• Power factor	<input type="radio"/>	<input type="radio"/>
• Voltage between phases	<input type="radio"/>	<input type="radio"/>
• Emergency stop	<input type="radio"/>	<input type="radio"/>
• Binary inputs	6 / 6	7 / 7
• Analog inputs	3	3
• 2x10A Current outputs	<input type="radio"/>	—
• I/O Configuration	<input type="radio"/> /0	<input type="radio"/> /0
• D+ Function	<input type="radio"/>	<input type="radio"/>
• Speed sensor	<input type="radio"/>	<input type="radio"/>
• Amf/Mrs	<input type="radio"/> /0	<input type="radio"/> /0
• GCB/MCB	<input type="radio"/> /0	<input type="radio"/> /0
• 3ph voltage measurement Gen./Mains	<input type="radio"/> /0	<input type="radio"/> /0
• 3ph current measurement	<input type="radio"/>	<input type="radio"/>
• kW/kWh/Kva	<input type="radio"/>	<input type="radio"/>
• Engine reading	<input type="radio"/>	<input type="radio"/>
• Engine protection	<input type="radio"/>	<input type="radio"/>
• Alternator protection	<input type="radio"/>	<input type="radio"/>
• Earth current protection	—	*
• History file	150	350
• RTC/Battery	<input type="radio"/> /—	<input type="radio"/> /0
• PLC	—	—
• 4G	*	—
• Airgate	—	*
• ECU CAN	<input type="radio"/>	<input type="radio"/>
• MODBUS	*	*
• MODBUS IP	*	*
• SNMP	—	*
• SNMP TRAPS	—	—
• RS232	*	*
• RS485	*	*
• GSM/GPRS modem	*	*
• Remote screen	*	*
• Software for PC	*	*

Standard:

Optional: *

Not Available: —