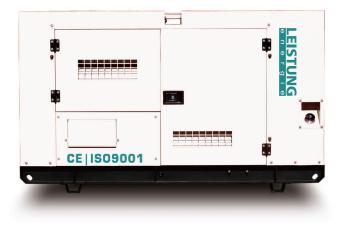
# AS125D5 I INDUSTRIAL RANGE POWERED BY LEISTUNG ENERGIE





kVA

kW

r.p.m

V

V

Cos Phi

#### POWER DEFINITION

PRP: Prime Power is abailanle 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  $^\circ$  C Air Intlet 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.

### **Generator Specification**



THREE PHASE



SERVICE

POWER

POWER

RATED SPEED

STANDARD VOLTAGE

AVAILABLE VOLTAGES

RATED AT POWER FACTOR

DIESEL

PRP

112.5

90

EPS

125

100

1500

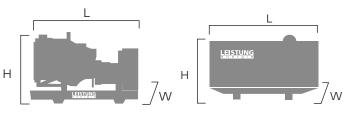
400/230

380/220 · 415/240

0,8

STACKABLE CANOPY





Dimension		Open	Silent
Length(L)	mm	2080	2917
Width(W)	mm	1040	1105
Height(H)	mm	1585	1723
Net Weight	Kg	1230	1664
Fuel Tank	L	250	180



## AS125D5



### **Engine Specifications**

General Engine Data

#### General Engine Data

Engine brand		LEISTUNG ENERGIE
Engine ref.		AS4300
Engine type		4-stroke diesel
Governor type		Electronic
Injection		Direct
Aspiration	Turbo charged with aftercool	
Number of cylinders and arrangeme	nt	4-L
Number of cylinders and arrangemen Bore and stroke	nt mm	4-L 105*124
Bore and stroke		105*124

Lube oil consumption with full load		%-1% of consumption
Compression Ratio		16:1
Engine oil capacity	L	13
Total coolant capacity	L	25.8
Air Filter	Туре	Dry
Fuel		
Consumption @ 100% load ESP	L/H	27.7
Consumption @ 100% load PRP	L/H	25.0
Consumption @ 75% load PRP	L/H	16.7
Consumption @ 50% load PRP	L/H	12.8

- Diesel engine
- 4-stroke cycle
- Water-cooled

Alternator Specifications

- 12V electrical system
- Water separator filter
- Dry air filter
- Radiator with pusher fan
- Electronic govornor
- 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	
Excitation system	Self-excited, brushless
Voltage regulator	AVR (Electronic)
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

- Number of phase3Power factor (Cos Phi)0.8Poles4Winding Connections (standard)Star-serieInsulationH classEnclosure(according IEC-34-5)IP23
  - Self-excited and self-regulated
  - IP23 protection
  - H class insulation
- Alternator pre-heater (Optional)
- Winding temp. measuring instrument (Optional)
- PMG/AREP/MAUX (Optional)

## AS125D5



## **Application Data**

Fuel system		
Fuel oil specifications		Diesel
Standard fuel tank capacity (Open)	L	250
Standard fuel tank capacity (Silent)	L	180

Exhaust system		
Maximum exhaust temperature	°C	600
Exhaust gas flow	L/s	307
Maximum allowed back pressure	kPa	6

Air system		
Intake air flow	L/s	127
Cooling air flow	L/s	3.4

Starting System		
Starting power	kW	4.5
Recommended batter	Ah	100
Number of Batteries		2
Auxiliary voltage	Vdc	24V

## **Genset version**

- Steel chasis
- 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 - The Leistung Energie Limited 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. .

Leistung Energie 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.

## AS125D5



## **Control Panel Data**

Features of the Control Panel	Basic Model (Standard)	Advanced Model (Optional)
<ul> <li>Voltage between phases</li> </ul>	0	0
Voltage between neutral and phase	0	0
Current intensities	0	0
Frequency	0	0
Apparent power (Kva)	0	0
Active power (Kw)	0	0
Reactive power (kVAr)	0	0
Power factor	0	0
Voltage between phases	0	0
Emergency stop	0	0
Binary inputs	6/6	7/7
Analog inputs	3	3
2x10A Current outputs	0	_
I/O Configuration	0/0	0/0
• D+ Function	0	0
Speed sensor	0	0
• Amf/Mrs	0/0	0/0
• GCB/MCB	0/0	0/0
3ph voltage measurement Gen./Mains	0/0	0/0
3ph current measurement	0	0
• kW/kWh/Kva	0	0
Engine reading	0	0
Engine protection	0	0
Alternator protection	0	0
Earth current protection	_	*
History file	150	350
RTC/Battery	0/—	0/0
• PLC	_	_
• 4G	*	_
• Airgate	_	*
• ECU CAN	0	0
• MODBUS	*	*
MODBUS IP	*	*
• SNMP	_	*
SNMP TRAPS	—	-
• RS232	*	*
• RS485	*	*
GSM/GPRS modem	*	*
Remote screen	*	*
• Software for PC	*	*
Standard: O Op	tional: <b>*</b> Not Av	ailable: —