

ALP 30

Engine : Lister Petter
 Alternator : Stamford
 Control System : P 72 Control System



ISO8528

This generator set has been designed to meet ISO 8528 regulation.

SZUTEST

This generator set is manufactured in facilities certified to ISO 9001.



This generator set is available with CE certification.

2000/14/EC

Enclosed product is tested EU noise legislation 2000/14/EC

TEKNIKALAR VE UYUMLUK BİLGİLERİ

Voltage	Standby Rating (ESP)		Prime Rating (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	30,00	24,00	27,00	21,60	38,00

Standby Rating (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. ESP is in accordance with ISO 8528. Overload is not allowed.

Prime Rating (PRP): Applicable for supplying power to varying electrical load for unlimited hours. PRP is in accordance with ISO 8528. 10 % overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046.

STANDARD SPECIFICATIONS

- Heavy duty, water cooled diesel engine
- 46/50 °C ambient rated radiator with mechanical fan
- Protective grille for fan and rotating parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine jacket cooling heater
- Base frame design incorporates an integral fuel tank and anti-vibration isolators
- Flexible fuel connection hoses
- Single bearing, class H alternator
- Industrial exhaust silencer and steel belows supplied separately
- Static battery charger
- Manual for use and installation

OPTIONAL EQUIPMENTS

ENGINE

- Remote Radiator Cooling
- Low water level alarm
- Oil heater

ALTERNATOR

- Anti-Condensation Heater
- Over sized alternator
- Main line circuit breaker

CONTROL SYSTEM

- Earth fault, single set
- Main Fuel Tank

OTHER ACCESSORIES

- Automatic or manual fuel filling system
- Manual oil drain pump
- Low and high fuel level alarm
- Residential silencer
- Enclosure: weater protective or sound attenuated

TRANSFER SWITCH

- Four Pole Contactor

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● DIESEL ENGINE SPECIFICATIONS

Manufacturer		Lister Petter		
Model		LPW 4		
No. of Cylinders and Build		4 Cylinder, Sequential Type		
Aspiration and Cooling		Naturally Aspirated		
Rated Speed (rpm)	rpm	1500		
Governor		Mechanical		
Oil Capacity	L	5,80		
Coolant Capacity	L	7,50		
Intake Air Flow	m ³ /min.	39,50		
Exhaust Gas Flow	m ³ /min.	110,40		
Exhaust Gas Temperatures	° C	540		
Start System		12 V d.c.		
Fuel Consumption	Load	%100	%75	%50
	L/h	7,80	6,10	4,50

● ALTERNATOR SPECIFICATIONS

Make		Stamford
Model		PI 142E
Frequency	Hz	50
Power	kVA	28
Design		Brushless, 4 poles
Cos Phi		0,80
Phase		3
Voltage	V	400/230
Current	A	39
Insulation Class		H
Stator		– UXia
Rotor		Single Bearing System, Flexible Disc
Excitation System		Electronic (AVR)

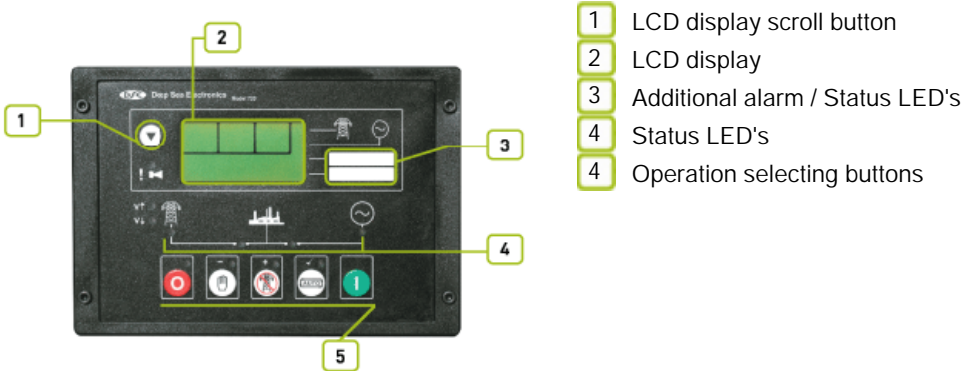
● DIEMENSIONS AND WEIGHT

Open Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
ALP 30		1450	820	1100	90
Sound Attenuated Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
ASM 2	710	1920	870	1280	90

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1 P 72 Control System - Control System



- 1 LCD display scroll button
- 2 LCD display
- 3 Additional alarm / Status LED's
- 4 Status LED's
- 4 Operation selecting buttons

2 Devices

DSE, model 720 Auto Mains Failure control module
 Static battery charger 5A, 220/240 volt
 Emergency stop push button and fuses for control circuits

3 Construction and Finish

Components installed in sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion resistant surface
 Polyester composite powder topcoat forms high gloss and extremely durable finish
 Lockable hinged panel door provides for easy component access

4 Installation

Control panel is mounted generating set baseframe on robust steel stand.
 Located at side of generating set with properly panel visibility.

5 Generating Set Control Unit

8G9'+&\$
 H\Y'8G9'+&\$'W'bf'c' a cXi 'Y'g'U'g'f'ubXUFX'UXX]h'cb'hc'ci f' [YbYfU'rc'f'gYhg'i d'hc'&)_\$_J 5'UbX'ih\Uj Y'VYYb'XYg] [bYX'hc'g'U'f'h'UbX'g'rc'd'X]YgY'UbX' [Ug [YbYfU'h]b ['gYhg'"H\Y'8G9'+&\$'a cXi 'Y'\Ug'VYYb'XYg] [bYX'hc'a'cb]rc'f [YbYfU'rc'f'ZYei YbV'wz] c'h'W'ffYb'h'Z'Yb []bY'c] 'dfYggi fY'Z'V'c'Ub'h'i'Y'a dY'fU'h'fY'fi'bb]b [\ci fg'UbX'V'U'h'Y'fmj'c'h'g'"A cXi 'Y'a'cb]rc'fg'h'Y'a U]bg'gi dd'm'UbX'gk]h'w'cj Yf'hc'h'Y' [YbYfU'rc'f'k \Yb'h'Y'a U]bg'd'ck Yf'Z]g"
 H\Y'8G9'+&\$'U'gc]bX]W'h'Y'g'cdY'fU'h'cbU'g'h'g'U'g'UbX'Z]i 'h'V'c'bX]h'cbg'z'Ui h'ca U]h'W'm'ig'v'i h]b ['X'ck b'h'Y [YbYfU'h]b ['gYh'UbX']bX]W'h]b ['Z]i 'hg'V'm'a Y'U'bg'c'Z]hg '@7 8 'X]gd'Um'cb'h'Y'Z'cb'h'd'UbY'"

Standard Specifications

- Microprocessor controlled
- LCD display makes information easy to read
- Black-lit character/icon LCD display
- Transfer between mains (utility) and generator power
- On-site module configuration and remote configuration (max 100 meters) using PC software
- User-friendly set-up and button layout
- Front panel programming
- Remote start
- Multiple engine parameters are monitored simultaneously
- Controls: Stop/Reset, Manual, Auto, Test, Start, buttons. An additional push button next to the LCD display is used to scroll through the modules' metering displays

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Instruments

- ENGINE
- Engine speed
- Oil pressure
- Coolant temperature
- Run time
- Battery volts
- GENERATOR
- Voltage (L-N)
- Current (L1-L2-L3)
- Frequency
- MAINS
- Voltage (L-L, L-N)

Protection Circuits

- WARNING
- Battery charge failure
- Low battery voltage
- SHUT DOWNS
- Fail to start
- Emergency stop
- Low oil pressure
- High engine temperature
- Over /Under speed
- Under/over generator frequency
- Failed to reach loading voltage
- Failed to reach loading frequency
- ELECTRICAL TRIP
- Generator over current

Options

- High oil temperature shut down
- Low fuel level alarm
- High fuel level alarm
- Low coolant level

Standards

- Electrical Safety / EMC compatibility
- BS EN 60950 Electrical business equipment
- BS EN 61000-6-2 EMC immunity standard
- BS EN 61000-6-4 EMC emission standard for the industrial environment

Static Battery Charger

6UHfVfmVUf[Yf]g'a Ubi ZVM fYX'k Jh'gk JhV]b[!a cXY'UbX'GA 8 'hVWbc'c[mUbX'ih\Ug'\][\ YZ]VbVh
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 H\Y VUf[Yf]g'Z]hVX'k Jh' U'dfchVW]cb'X]cXY'UV'cgg'hY'ci hdi h'
 7\Uf[Y'Z] 'ci hdi h]g'Uj U]UV'Y""7 cbbYVhVUf[Y'Z] 'fY'UmV' VYhk YYb'dcg]h] Y'ci hdi hUbX'7: 'ci hdi h'

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ASM 2 - Canopy



- 1 Steel structures
- 2 Emergency stop push button
- 3 Control panel is right side of the set.
- 4 Corrosion-resistant locks and hinges
- 4 Sump drains valves
- 5 Exhaust system in the canopy
- 7 Lockable, large doors on each side
- 8 Sound proof foam material
- 9 Base frame -tank
- 10 Lifting Points

Introduction

Sound-attenuated and weather protective enclosures for generating sets from Aksa, meet even the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies (8 - 275kVA) fit directly to the open generator set to provide ease of access for servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.

Standart Specifications

Compact footprint, low profile design.

Enclosure, generator set, exhaust system and base-tank are pre-assembled, pre-integrated and shipped as one package

Body made from steel components treated with polyester powder coating

Fire retardant foam insulation

Easy access to all service points

Exhaust system inside canopy

Large doors on each side

Control panel viewing window in a lockable access door

Emergency stop push button mounted on enclosure exterior

Cooling fan and battery charging alternator fully guarded

Fuel fill and battery can only be reached via lockable access doors.

Lifting points on the top of canopy and base frame

Customer options available to meet your applications needs.

Width	mm.	870
Lenght	mm.	1920
Height	mm.	1280
Fuel Tank Capacity		90