



This generator set is available with CE certification.

3 Phase Ratings, 50 Hz, PF 0,0

Voltage	Standby Rating (ESP)		Prime Rating (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	14,40	11,50	13,10	10,50	18,00

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
- Radiator with mechanical fan
- Protective grille for rotating and hot parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine coolant heater
- Steel base frame and anti-vibration isolators
- Spare external fuel tank (open set)
- Flexible fuel connection hoses
- Two bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately
- Static battery charger
- Manual for application and installation

OPTIONAL EQUIPMENTS

ENGINE

OTHER ACCESSORIES

ALTERNATOR

CONTROL SYSTEM

TRANSFER SWITCH

## ➤ DIESEL ENGINE SPECIFICATIONS

Manufacturer		Perkins	تولید کننده
Model		403D-15G	مدل
No. of Cylinders and Build		3 Cylinder, In Line	تعداد سیلندرها و نوع آرایش آنها
Aspiration and Cooling		Naturally Aspirated	سیستم تنفس و خنک کاری
Maximum Standby Power		1500 rpm	توان Standby
		13,30 kW [17,80HP]	
Total Displacement	L	1,490	جابه جایی کل
Bore and Stroke	mm	84x90	قطر سیلندر و کورس پیستون
Compression Ratio		22,5:1	نسبت تراکم
Rated Speed (rpm)	rpm	1500	سرعت مجاز
Governor		Mechanical	گاورنر
Oil Capacity	L	6,00	ظرفیت روغن
Coolant Capacity	L	6,00	ظرفیت خنک کننده
Intake Air Flow	m <sup>3</sup> /min.	1,08	جریان هوای مصرفی
Radiator Cooling Air	m <sup>3</sup> /min.	36,60	جریان گاز خروجی از اگزوز
Exhaust Gas Flow	m <sup>3</sup> /min.	2,72	دمای گاز خروجی از اگزوز
Start System		12 V d.c.	استارت
Fuel Consumption	Load	%100	مصرف سوخت
	L/h	6,80	

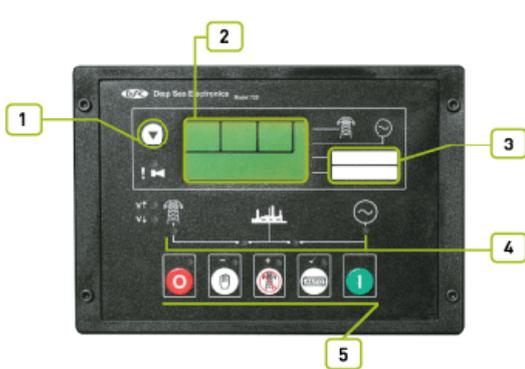
## ➤ ALTERNATOR SPECIFICATIONS

Make		Stamford	تولید کننده
Model		PI044G	مدل
Frequency	Hz	50	فرکانس
Design		Brushless, 2 poles	طراحی
Phase		3	فاز
Voltage	V	400/230	ولتاژ
Insulation Class		H	کلاس عایق بندی

## ➤ DIEMENSIONS AND WEIGHT

Open Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
APD15P	317,00	1200,00	760,00	982,00	35,00
Canopy	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
HYP 2	495,00	1510	820	1150	

## 1 P 72 - Control System



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

## 1 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

## 1 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

## 1 Installation

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

## 1 Generating Set Control Unit

8G9'+&\$

H\Y`8G9'+&\$`Wbfc`a cXi `Y`g`U`g`f`U`b`X`U`F`X`U`X`X`h`c`b`h`c`i` f`[`Y`b`Y`f`U`h`c`f`g`Y`h`i` d`h`c`&`\$`\_`J`5`U`b`X`i`h`U`j`Y`V`Y`Y`b`X`Y`g`[`b`Y`X`h`c`g`U`f`h`U`b`X`g`h`c`d`X`Y`g`Y`U`b`X`[`U`g`[`Y`b`Y`f`U`h`b`[`g`Y`h`g`H\Y`8G9'+&\$`a`c`X`i`Y`U`g`V`Y`Y`b`X`Y`g`[`b`Y`X`h`c`a`c`b`[`h`c`f`[`Y`b`Y`f`U`h`c`f`Z`Y`e`i`Y`b`V`h`z`j`c`h`z`W`f`Y`b`h`z`Y`b`[`j`b`Y`c`]`d`f`Y`g`g`i`f`Y`z`W`c`U`b`h`i`Y`a`d`Y`f`U`h`i`f`Y`f`i`b`b`b`[`\`c`i`f`g`U`b`X`V`U`h`Y`f`m`j`c`h`g`"A`c`X`i`Y`a`c`b`[`h`c`f`g`h`Y`a`U`j`b`g`g`i`d`d`m`U`b`X`g`k`]`h`w`c`j`Y`f`h`c`h`Y`[`Y`b`Y`f`U`h`c`f`k`\`Y`b`h`Y`a`U`j`b`g`d`c`k`Y`f`Z`j`]`g`"H\Y`8G9'+&\$`U`g`c`j`b`X`W`h`Y`g`c`d`Y`f`U`h`c`b`U`g`h`i`g`U`b`X`Z`j`i`h`V`c`b`X`]`h`c`b`g`z`U`i`h`c`a`U`h`W`h`m`i`g`v`i`h`h`b`[`X`c`k`b`h`Y`[`Y`b`Y`f`U`h`b`[`g`Y`h`U`b`X`j`b`X`W`h`h`b`[`Z`j`i`h`g`V`m`i`a`Y`U`b`g`c`Z`]`h`g`@`7`8`X`j`d`U`m`c`b`h`Y`Z`c`b`h`d`U`b`Y`"

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

## 1 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)

## 1 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

## 1 Options

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

## 1 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

## 1 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'\][ \ YZZVbVWf  
6UHfVfmVUf[ Yf'a cXY'gfici hdi hJ !=VUfUfVWf]gh]W]g] YfmVWcgY 'tc'gei UfY'UbX'ci hdi h]g) 'Ua dYfz%&j c'h87""-edi h%, !  
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7\Uf[ Y'ZU]ci hdi h]g'Uj U]UV'Y""7 cbbYVhVUf[ Y'ZU] fY'UmV'V' VYhk YYb'dcg]h]j Y'ci hdi hUbX'7: 'ci hdi h'

## 1 HYP 2 - Canopy



## 2 Introduction

## 3 Standard Specifications

Width	mm.	820
Length	mm.	1510
Height	mm.	1150