

## DUNLOP PAWA 44kVA

50Hz 1500RPM 35kW/44kVA

### General Features

- Low noise/super silent canopy design
- Forklift pockets available
- Residential silencer with flexible exhaust pipe
- MCCB & maintenance-free starting battery
- External fuel inlet, coolant drain, oil drain
- External power outlet distribution available
- Bunded base with 24-hour base fuel tank @75% load
- 50°C Radiator as standard spec;
- Radiator fan is driven by belt with safety guard
- Vibration isolators between engine/alternator and base frame
- All-round protection functions and safety labels
- User manual of engine, alternator, controller



### Generator Ratings

Voltage	Hz	Phase	P.F (COS φ)	Prime Amps	Prime Ratings(kW/kVA)	Standby Ratings(kW/kVA)
380/220	50	3	0.8	61	32/40	35/44
400/230	50	3	0.8	58	32/40	35/44
415/240	50	3	0.8	56	32/40	35/44

- Prime Power: Continuous running at variable load for unlimited periods;  
10% overload available for 1 hour in every 12 hours.
- Standby power: Continuous running at variable load in the event of a utility power failure;  
No overload is permitted on these ratings.

### Sales Promise

**DUNLOP** provides a full line of brand new and high quality products.

Each unit is strictly factory tested before delivery.

Warranty is according to below standard conditions, subject to the earlier one:

- 12 months after shipment
- 1000 accumulated running hours

Service and parts are available for the generator life time from **DUNLOP**.

**Engine**

<b>Manufacturer / Model</b>	DCEC/4BT3.9-G1
<b>Air Intake System</b>	4 Cycle, Turbocharged
<b>Fuel System</b>	BYC A/RSV Mechanical
<b>Number of Cylinders / Cylinder Arrangement</b>	4 in Line
<b>Displacement (L)</b>	3.9 L
<b>Bore x Stroke (mm x mm)</b>	102x120
<b>Compression Ratio</b>	117.3:1
<b>Rated Speed (RPM)</b>	1500
<b>Standby Power @ Rated Speed (kW)</b>	40
<b>Speed Governor</b>	Mechanical/Electronical
<b>Fuel Consumption @ 100% Load (L/h)</b>	10.0
<b>Fuel Consumption @ 75% Load (L/h)</b>	7.9
<b>Fuel Consumption @ 50% Load (L/h)</b>	5.9
<b>Fuel Consumption @ 25% Load (L/h)</b>	4.0
<b>Total Oil Capacity (L)</b>	10.9
<b>System Voltage (V)</b>	DC 12

## Alternator

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359

Exciter Type	Single bearing, Brushless, Self-excited
Rated Output Prime Power (kVA)	40
Rated Speed (RPM)	1500
Rated Frequency (Hz)	50
Phase	3
Power Factor	0.8
Voltage Adjust Range	$\geq 5\%$
Voltage Regulation NL-FL	$\leq \pm 1\%$
Insulation Class / Temperature Rise	H / H
Protection Grade	IP23

## Main Electrical Performance

Voltage				Frequency			
Stable Regulation Rate	Fluctuation	Recover Time	Instantaneous Regulating Rate	Stable Regulation Rate	Instantaneous Regulating Rate	Recover Time	Fluctuation
$\pm 2.5\%$	0.5%	1.5s	$\pm 20\%/-15\%$	$\pm 5\%$	$\pm 10\%$	5s	0.5%

## Control System

We use famous and reliable controller brands such as DEEPSEA, COMAP & SMARTGEN.

Protection		Parameter		
• Low Oil Pressure	• Over Crank	• Volt	• Oil Pressure	
• Over Speed	• Over / Low Volt	• Current	• Oil Temp.	
• Over Load		• Power	• Power Factor	
• Over / Low Frequency		• Speed	• Running Time	
• Battery Charge Failure		• Frequency	• Water Temp.	
• High Water Temp.			• Battery Voltage	

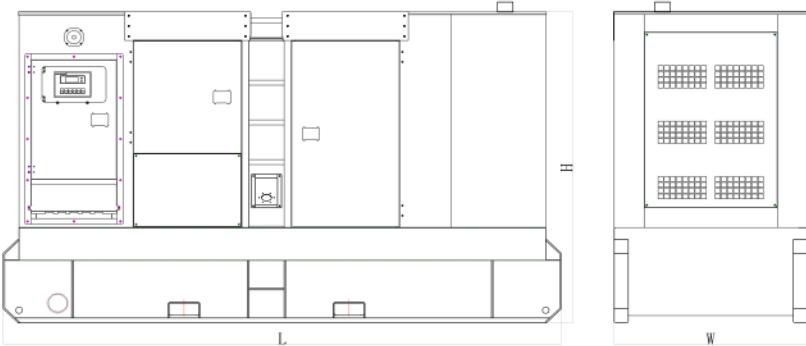


**DSE 4520**

### Dimension & Weight

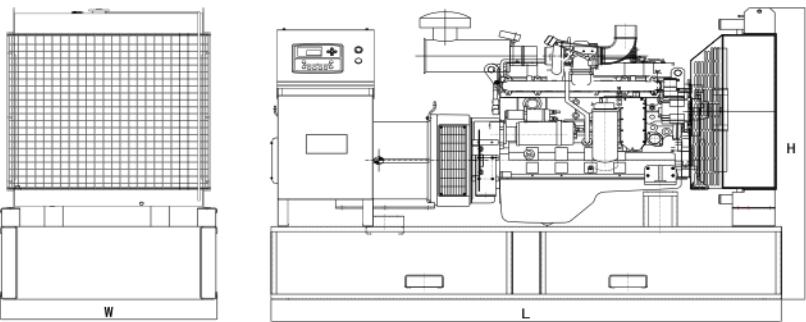
#### Canopy Type (DP 44kVA)

Lenght	2400mm
Width	1000mm
Height	1645mm
Weight	1435KG



#### Open Type (DP 44kVA)

Lenght	N/A
Width	N/A
Height	N/A
Weight	N/A



### Generator Spare Parts Options

#### Generator Set

- Trailer generator set
- ABB MCCB circuit breaker
- Rental Type heavy-duty canopy
- Hot-dip galvanized skid base

#### Alternator

- PMG excitation
- Anti Condensation Heater
- RTD for alternator AC windings

#### For Cold Area

- Water heater
- Oil heater
- Fuel heater
- Electronic space heater

#### Exhaust System

- Residential exhaust silencer
- Stainless steel exhaust pipe
- Emission after-treatment system

#### Fuel System

- 12 hours base fuel tank
- 24 hours base fuel tank
- Double bunded base fuel tank
- Outside fuel tank

#### Auto System

- Remote Control panel
- ATS control cabinet
- Paralleling System