

# DEWALT 8.9kVA GENERATOR

DXGN8950i



# Product Objectives

The DXGN850i – 8.9kVA commercial generators are Guaranteed Tough with leading high durability frames, industrial grade motors, premium alternators and top grade protection for both you and your investment.

This product is suited to the most discerning tradie operating in harsh jobsite conditions.





# Product Overview

## ENDURANCE

Large 23L fuel tank deliver extended runtime performance

## DURABILITY

32mm heavy duty tubular steel frame

## PERFORMANCE

Industrial grade 420cc engine built to perform in the toughest conditions

## POWER

Tackle large jobs with a large 8.9kVA of power

## INTELLIGENCE

Data Centre that provides pertinent information to the use

## SAFETY

All DeWalt commercial generators are jobsite compliant

## RELIABILITY

Premium Automatic Voltage Regulation (AVR) System

## PORTABILITY

Large wheels and an inbuilt handle for ease of transport



# Product Specification Sheet



Spec	DXGN8950i
Starting kVA	8,950
Running kVA	7,200
Engine	420cc
Fuel Tank	23L
Power Outlets	2 x IP66 240V 10A GPO
Accessories	12V Dual Port USB Adaptor
Warranty	3

**ENDURANCE** – Large 23L fuel tank for up to 10hrs @ 50% load (runtimes can vary based on environment and conditions).

**DURABILITY** – 32mm heavy duty, powder coated steel frame

**PERFORMANCE** – DeWalt industrial grade 420cc engine with cast iron sleeve, low oil shutdown and premium low tone mufflers that deliver 73dB(A)

**POWER** – High performance, 100% copper in the stators and rotor that deliver 8,950W of starting power and 7,200W of running power.

**INTELLIGENCE** – Data centre that displays important information such as runtime and oil change maintenance intervals

**SAFETY** – IP66 weather protected plugs with RCD & breaker for user and generator safety

**RELIABILITY** – Automatic Voltage Regulator system delivers smooth electricity supply to keeps your tools running safely.

**PORTABILITY** – Inbuilt handles and detachable wheels make it easy to move around on the jobsite.

# Key Features

## MAIN SWITCH

Easy access main switch

## PROTECTION

IP66 Weather protected power outlets



## DATA CENTRE

Displays runtime clock for tracking maintenance

## SAFETY

RCD and Circuit breaker protect the user and generator from harm

# Our Range



Spec	DXIG2200	DXGN6875i	DXGN8950i	DXGN8950iK
Starting Watts	2,200	6,875	8,950	8,950
Running Watts	1,800	5,500	7,200	7,200
Protection	Electric Breaker	Electric Breaker / RCD	Electric Breaker / RCD	Electric Breaker / RCD
Power Outlets	1 x 240V 10A / 1 x 12V	2 x 250V - 15A	2 x 250V - 15A	2 x 250V - 15A
GPO Protection	IP44	IP66	IP66	IP66
Start	Pull Start	Pull Start	Pull & Electric Start*	Pull & Electric Start
Fuel Tank Size	4.5L	23L	23L	23L
Alternator Type	Inverter - (<3% THD)	AVR - (<5% THD)	AVR - (<5% THD)	AVR - (<5% THD)
Warranty (M/P/F)	3	3	3	3



# Generator Types Explained

## AVR (Automatic Voltage Regulation) Generators

Automatic Voltage Regulation is an advanced technology, capable of stabilising fluctuations in incoming voltage. These fluctuations can come in the form of excessive voltage or a drop in voltage which can effect the performance of the device you are powering and in some instances can even cause damage.

## Inverter Generators

Inverters are ideal for powering sensitive electronics such as computers as they deliver the cleanest power of all generator types. They are also known for generating less noise, delivering lighter weight and superior fuel efficiency. Inverter generators, like normal generators produce AC power from their alternator but then a rectifier is used to convert AC power to DC power and capacitors are used to smooth out supply. Finally the power is inverted back to clean AC power at a precise voltage and frequency, independent to engine speed.

## What is THD (Total Harmonic Distortion)?

Total Harmonic Distortion is a measurable value that relates to the quality of electricity being supplied by a generator. Clean electricity is rated as having a THD of 5% or less, making it suitable for sensitive electronics as well as ensuring maximum performance from your power tools.



# Frequently Asked Questions

## **What is the difference between kVA and watts?**

kVA (Kilo-Volt-amperes) and kW (kilowatts, which is 1000 watts) is the difference between apparent power (kVA) and actual usable power. Due to a level of inefficiency some generators, not all the power produced is usable. To convert kVA accurately to kW or W you will need to the efficiency rating known as the power factor. DeWalt generators are high performance generators with a power factor of 1 which means 8.95kVA will equal 8950W of usable power.

## **What is an IP rating?**

IP rating (International Protect) is a rating system that shows the level of protection a device carries. The first digit rates to protection from a foreign body whilst the second number rates to moisture protection. DeWalt commercial generators come with an IP66 GPO's (General Power Outlets). The first 6 means it is totally dust tight whilst the second 6 means it provides protection against high pressure jets.

## **What is meant by a “builder’s pack”?**

Generators that feature a builders pack come with an RCD and a minimum of IP53 rated power plugs and are fitted with a MEN (Multiple Earth Neutral) link, allowing you to earth the generators if required.

## **What is the difference between starting watts & running watts?**

Starting watts is the extra electricity a generator can run for up to 2-3 seconds to start a motor driven product such as a refrigerator or circular saw. Running watts, often referred to as “continuous watts” or “rated watts” is the power generates to keep things running.



# Calculating your power requirements

1

## What products do you want to power?

Identify the products you will be powering

2

## Calculate the total watts?

Calculate the total watts for product you want to run simultaneously.

3

## Choose a solution?

Simply select the generator that has enough total watts to power the devices you need. It is recommended you add a 10-15% buffer



Appliance	Estimate Watts*
<input type="checkbox"/> 140amp welder	5,000 – 7,500
<input type="checkbox"/> 9" Angle Grinder	1,500 – 2,500
<input type="checkbox"/> 12" Drop Saw	1,650 – 1,800
<input type="checkbox"/> 76mm Belt Sander	650 - 850
<input type="checkbox"/> Cash Register	100
<input type="checkbox"/> Circular Saw (185mm)	1,200 – 1,600
<input type="checkbox"/> Floodlights	1,000 – 1,500
<input type="checkbox"/> Table Saw	1,850 - 2,400
<input type="checkbox"/> Router	700 – 1,000
<input type="checkbox"/> Cash Register	100
<input type="checkbox"/> Concrete Mixer	1,800 – 2,400
<input type="checkbox"/> Mixer Drill	750 – 1,300
<input type="checkbox"/> Hammer Drill	450 – 1,200

**Total Watts Required**

\* Estimate only, it is recommend you check your appliances. Devices such as caravan air conditioning units and power tools can vary from wattage is stated on the product due to environment and loading requirements. It is recommend you clarify the starting watts and peak load requirements from the manufacturer of those devices.