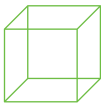




THE RIGHT CHOICE *for* NEXT-GEN COOLING



**NXG
DUCTED**

**EFFICIENCY OR
COST-EFFECTIVENESS?**

**WHY
NOT
BOTH?**



Finding the right cooling system becomes a challenge for business owners who are looking for a mix of features that result in an optimum cooling experience.

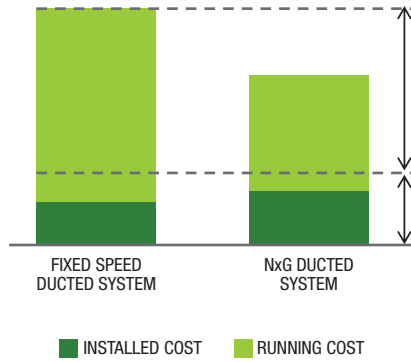
The new Carrier Inverter Ducted Air Conditioner combines the ease of installation of Ducted Air Conditioners and the performance of 1:1 VRF units to provide effective cooling without compromise.

**NXG
DUCTED**



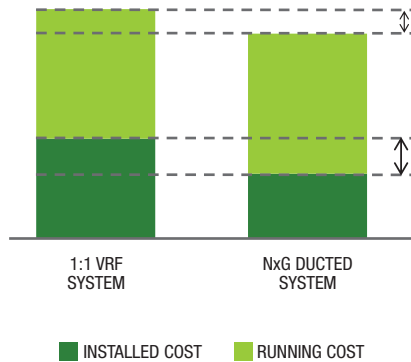


GREEN FIELD PROJECT



➔ **40%** savings in energy cost per year*

➔ Payback <1 year*



➔ **11%** lower lifecycle cost*

➔ **35%** lower installed cost*

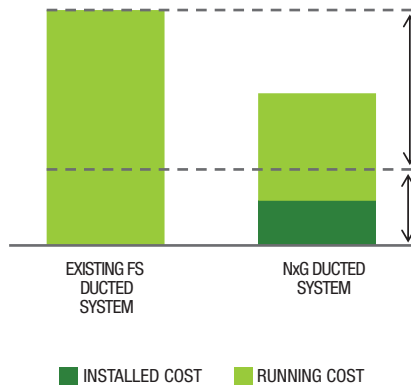


RETROFIT PROJECT

• MINIMAL CHANGE IN EXISTING SYSTEM

• NO NEED FOR ANY CHANGE IN DUCTING SYSTEM

• ONLY EQUIPMENT AND PIPING TO BE CHANGED



➔ **50%** savings in energy cost per year*

➔ Payback ~2 years*

*Values are subject to variation depending on site conditions and product lifecycle

ENERGY SAVING



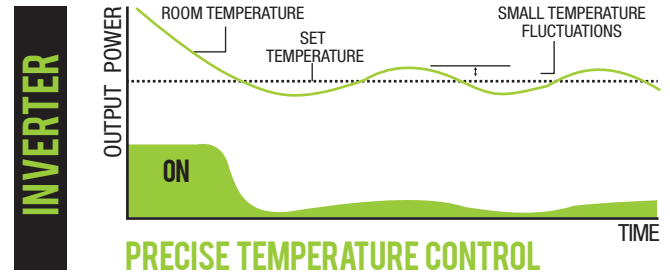
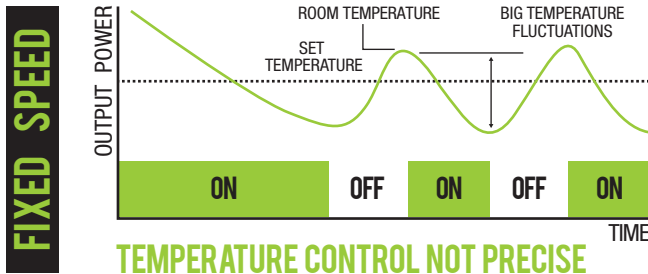
25°-35° }
 }
 }
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FS DUCTED



NxG DUCTED



INBUILT SAFETY FEATURES

DCL Reactor prevents damage of rectification bridge and capacitor overheating due to surging current.

SURGE PROTECTED



All round protection for the PCB

INBUILT ELECTRICAL SAFETY INDRIVE



PHASE REVERSAL



PHASE SEQUENCING ISSUE



UNDER-VOLTAGE



PHASE LOSS



OVER-VOLTAGE

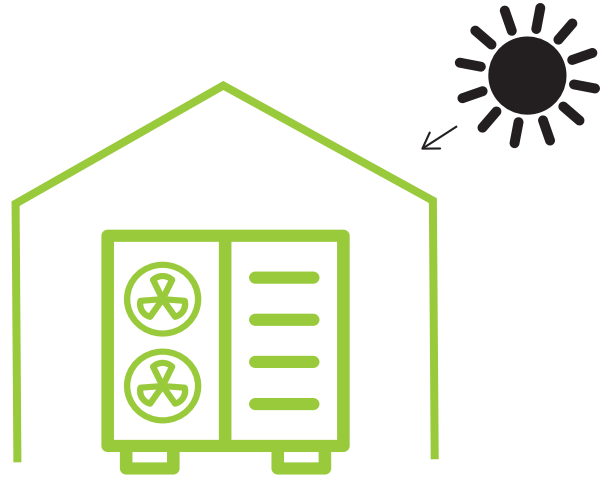


OVER-CURRENT

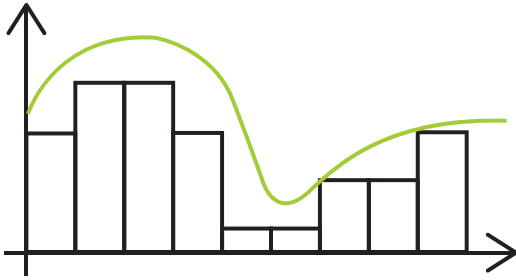
NO DERATION
UP TO

43°C*

Uncompromised capacity deliverance
even at high summer temperatures of
43°C.



ELECTRONIC EXPANSION VALVE

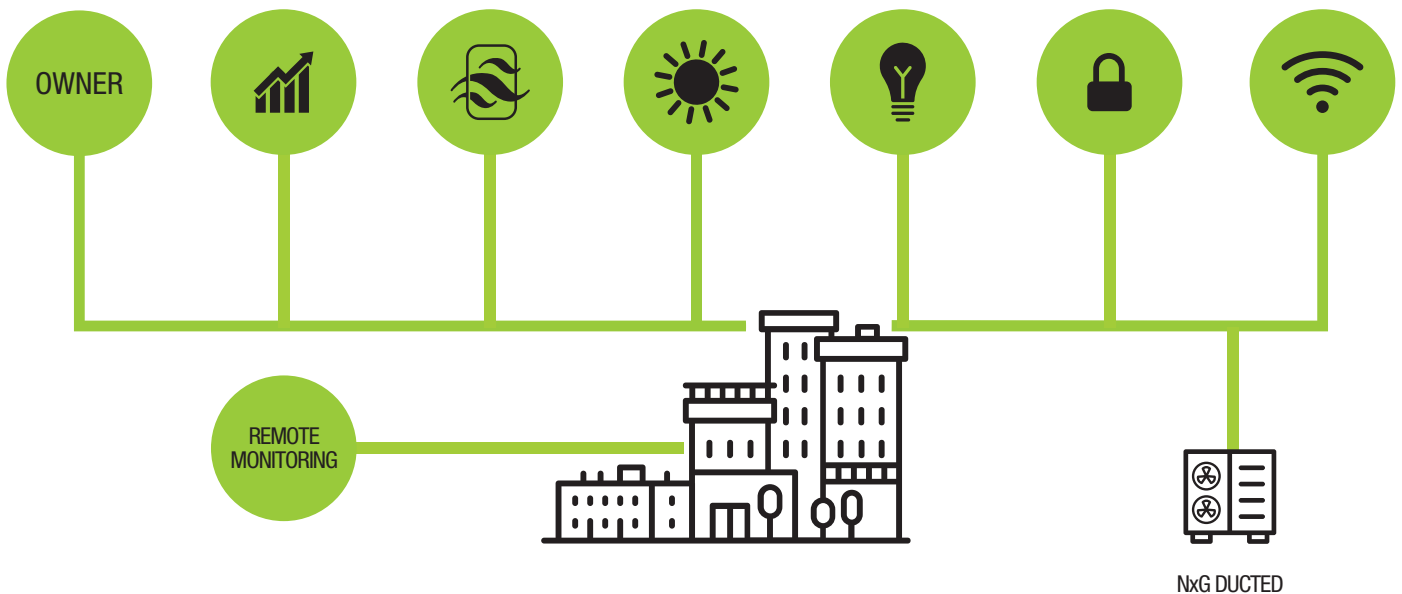


ENHANCED EFFICIENCY

Precise refrigerant volume control inside the evaporator.

Precise feedback mechanism controls through Stepper Motor.

BMS COMPATIBILITY EASY AND EFFICIENT OPERATION



Building Management Systems get integrated control through RS485 communication port.

*As per IS Standard 8148

Designed for

OPTIMUM PERFORMANCE

PRECISE TEMPERATURE CONTROL FOR ENHANCED COMFORT

KEY FEATURES



- 1 High levels of energy saving with variable ambient temperatures and load.
- 2 Lower inrush of current.
- 3 Prevents over-cycling of motor compressor.
- 4 During peak loads, keeps power consumption under control.



INTELLIGENT AIR FLOW MANAGEMENT

CREATES COMFORTABLE AMBIENCE INSIDE THE ROOM



Multi-speed motor fan helps in maintaining the right air flow inside the air conditioned space.

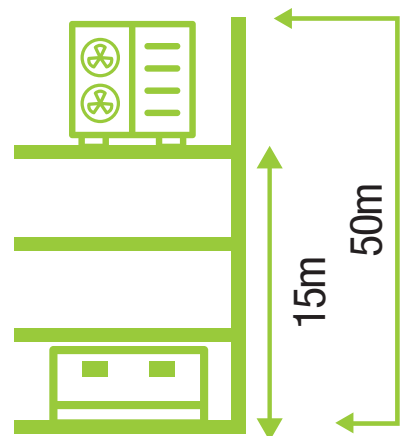


Eliminates any discomfort caused due to heat pocket formations.

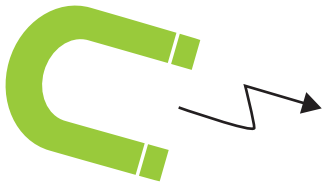
IMPROVED SYSTEM DESIGN

INSTALLATION FLEXIBILITY

Improved system design facilitates longer piping upto 50m minimal deration as compared to conventional fixed speed system.



ELECTRO MAGNETIC INTERFERENCE (EMI) FILTER RELIABLE AND ROBUST OPERATION



- 1 EMI filters suppress any electromagnetic interference generated by other equipment in the vicinity.
- 2 Immunes unit to disturbance and interruption in service.

REMOTE CONTROLLERS

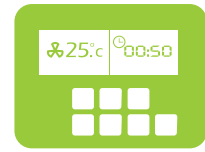
Unit can run in various modes for comfortable ambience and efficient operation.



WIDE SCREEN LED MULTIFUNCTION CONTROLLER (STANDARD)



WIRELESS REMOTE CONTROLLER (OPTION)*



CORDED REMOTE WITH ERROR LOGGING FEATURE (OPTION)*

ENHANCED RELIABILITY DEVICES

ACCUMULATOR →



1 Converts any remaining liquid refrigerant into gas to ensure compressor safety.

2 Any liquid refrigerant entering the compressor can damage it permanently.

SERVICE VALVES →



Factory fitted refrigerant service valves.



Easy restoration of refrigerant after service operation.

REDUCED FOOTPRINTS

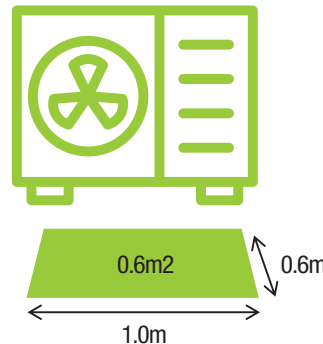
30%

Lower footprint for 11HP NxG ODU compared to equivalent 8.5TR Fixed Speed Ducted ODU

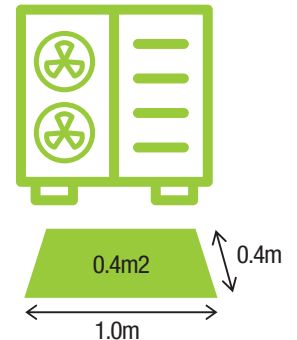
20%

Lower footprint on the 14HP NxG ODU compared to equivalent 11.0TR Fixed Speed Ducted ODU

8.5TR FIXED SPEED DUCTED ODU



11HP NXG DUCTED ODU



*To be purchased separately. Connect with carrier sales representative while ordering.

CARRIER INVERTER DUCTED AIR CONDITIONER

NOW WITH MERV 11 FILTER (PM 2.5)

AVAILABLE IN 7HP AND 11HP CAPACITIES

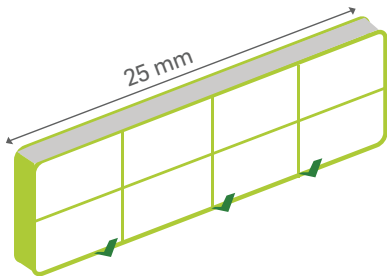
Our range of inverter ducted air conditioners now comes with two-stage filtration*, which can be upgraded in the existing installations as well.

Pre-filter – To filter out large particles

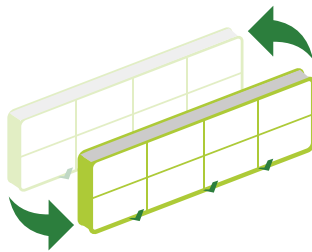
MERV 11 filter – To remove particles as small as 1 micron

Try out the new MERV 11 filter with an advanced digital display, get better indoor air quality and enhanced comfort all day long.

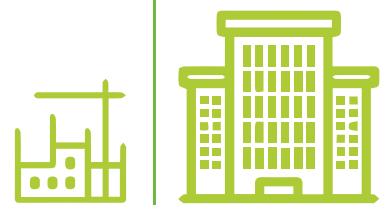
EASE OF INSTALLATION



Compact filter width - 25 mm



Easy DIY filter replacement



Works for both greenfield and retrofit projects

THE FILTER LIFECYCLE - RUNS AS GOOD AS NEW EVEN AFTER WASH.



RoHS compliant



1200 HOURS** OF OPERATION

BEFORE WASH

800 hours

AFTER WASH

400 hours

*Filters are not included by default and can be purchased additionally.

**The filter life may vary as per site conditions.

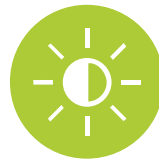
ADVANCED DIGITAL DISPLAY - GET REAL-TIME UPDATES ON INDOOR AIR QUALITY.



4 color display
*For easy identification
of air quality*



Digital indicator
*Real-time monitoring
of air quality*



Brightness control
*Adjust the brightness
level of the display*

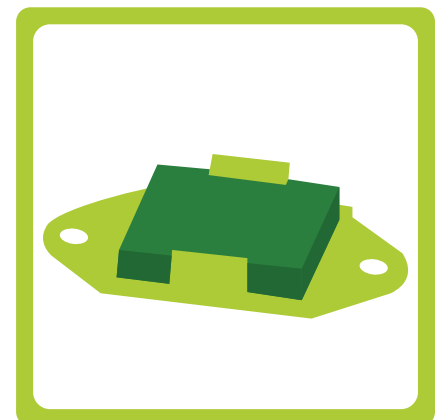


Select your screen
*Choose from 5 available
display options*

*Digital Display comes with 5 meters wire (with an additional option of 20 meters)
for flexibility in installation.*



MERV 11 FILTER COMES WITH STATE-OF-THE-ART SENSORS



Laser sensor
*Brings higher accuracy
and higher sensitivity*



Auto calibration
*Avoid the hassle of
manual re-calibration*



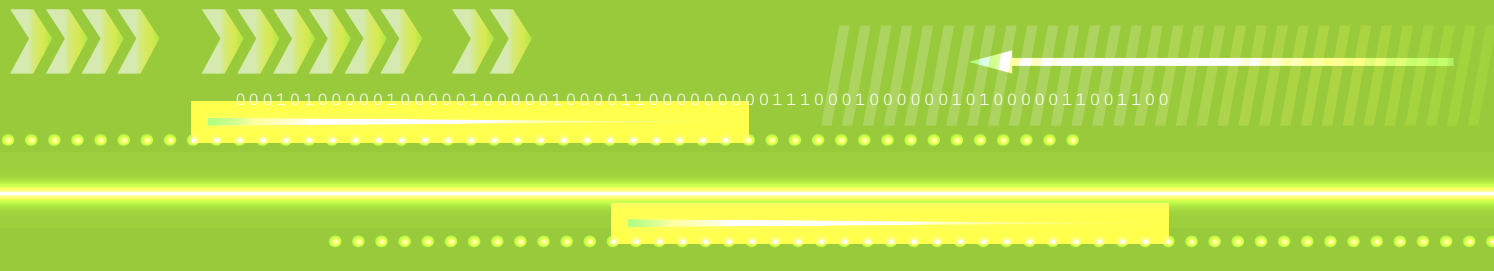
Compact and lightweight
*Makes it easy to install
even in existing units*



TECHNICAL SPECIFICATION: DUCTED AIR-CONDITIONERS (R410A)- INVERTER

		7 HP	11 HP	14 HP	22 HP
MODEL No (Indoor + Outdoor)		CDIS-184R1-0CTR4	CDIS-299R1-0CTR4	CDIS-378S1-0CTR4	CDIS-573S2-0CTR4
Nominal Refrigeration Capacity	kW	18.40	29.90	37.80	57.30
Rated Power Supply	Volts/Hz/Ph	400 ±10% / 50 / 3			
INDOOR UNIT					
Overall Size (Width X Length X Height)	mm	750 X 1250 X 345	700 x 1646 x 460	925 X 1900 X 460	970 x 1946 x 684
Air Flow Rate	CFM	2200	3400	4400	6500
Tube (Material / Type)		Copper / Internally Grooved			
Expansion Device		Electronic Expansion Valve			
Fan Motor Type		Centrifugal (DIDW), Three Speed			
Rated Power Supply	Volts/Hz/Ph	230 +/-10% / 50 / 1			
Filter Media		Non Woven Synthetic Fibre			
Filter Drier		Yes			
OUTDOOR UNIT					
Overall Size (Width X Length X Height)	mm	1060 x 395 x 1290		1210 x 480 x 1290	1060 x 395 x 1284
Number of Outdoor Unit		1		2	
Compressor Type	Type	DC Inverter			
Refrigerant	Type	R410A			
Number of Compressors / Unit	Qty	1			
Rated Power Supply	Volts/Hz/Ph	400 ± 10% / 50 / 3			
INTER CONNECTING TUBES					
Liquid Line	Inches	3/8"	1/2"	5/8"	1/2"
Suction Line	Inches	3/4"	1-1/8"	1-1/8"	1-1/8"

*Capacity rated in accordance with IS 8148



CARRIER SERVICE HELPLINE
1800 3000 3545
1800 1021 421

For more details, please contact our sales office:

Corporate & Registered Office: Carrier Airconditioning & Refrigeration Ltd, Narsingpur,
 Kherki Daula Post, Gurgaon-122004, Haryana, India. Tel: 0124-4825500, Fax: 0124-2372230



Sales Offices: **Ahmedabad:** 079-44820400, 44820401; **Bangalore:** 080-43442000; **Bhubaneshwar:** 9778030033; **Chandigarh:** 0172-5007549/5007550 **Chennai:** 044-66448888; **Cochin:** 0484-4029001; **Delhi/NCR:** 0124-4873200 **Ghaziabad:** 0120-4183260; **Goa:** 9987868667; **Hyderabad:** 040-41812222; **Indore:** 0731-2445200; **Jaipur:** 0141-4921737/738; **Kolkata:** 033-40592000/3000; **Lucknow:** 0522-4158701; **Mumbai:** 022-61700700; **Nagpur:** 9881714903; **Patna:** 7033727687; **Pune:** 020-48571000; **Raipur:** 9752542882; **Surat:** 079-44820400, 079-44820401; **Guwahati:** 9831040088.

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