



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.

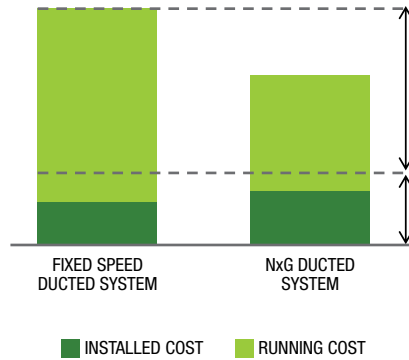
**NXG
DUCTED**



Note: Remote model may vary for different A/C models. Please check with your sales representative.

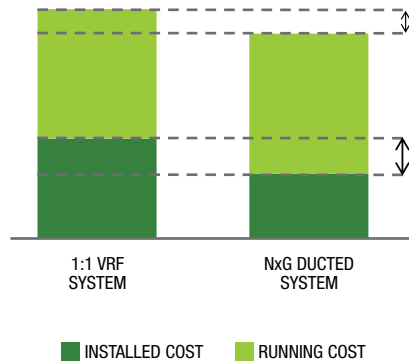


GREEN FIELD PROJECT



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

➔ *Payback* **<1** *year**



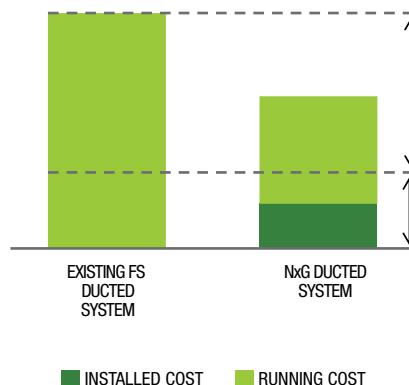
➔ **11%** *lower life cycle cost**

➔ **35%** *lower installed cost**



RETROFIT PROJECT

- MINIMAL CHANGE IN EXISTING SYSTEM
- NO NEED FOR ANY CHANGES IN THE DUCTING SYSTEM
- ONLY EQUIPMENT AND PIPING TO BE CHANGED

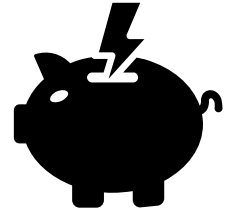


➔ **50%** *energy cost savings per year**

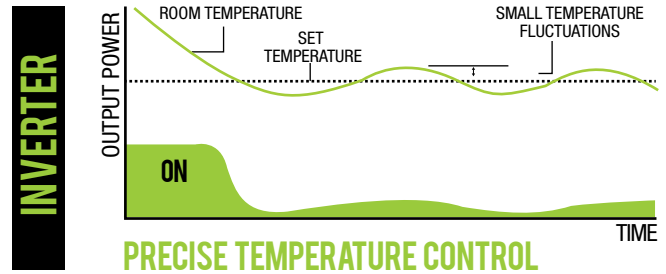
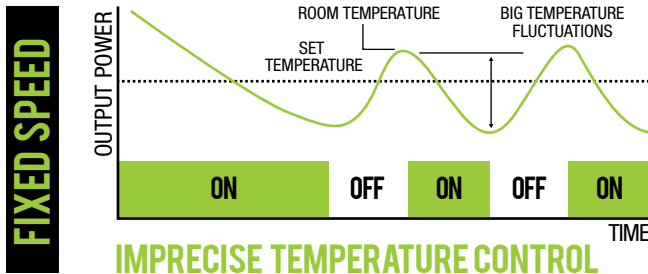
➔ *Payback* **~2** *years**

*Values are subject to variation depending on site conditions and product life cycle.

ENERGY SAVING



25°-35° }



INBUILT SAFETY FEATURES

The DCL Reactor protects the rectification bridge from getting damaged and stops the capacitor from overheating due to any surging current.

SURGE PROTECTED



All-round protection for the PCB

INBUILT ELECTRICAL SAFETY INDRIVE



PHASE REVERSAL



PHASE SEQUENCING ISSUE



UNDER-VOLTAGE



PHASE LOSS

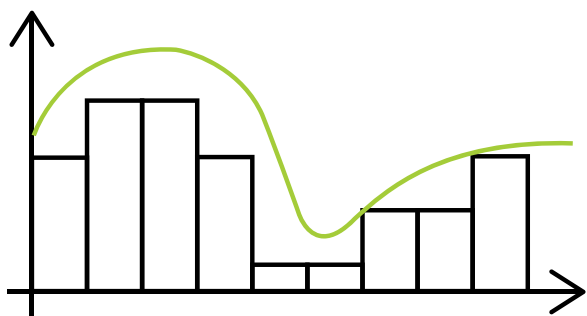


OVER-VOLTAGE



OVER-CURRENT

ELECTRONIC EXPANSION VALVE



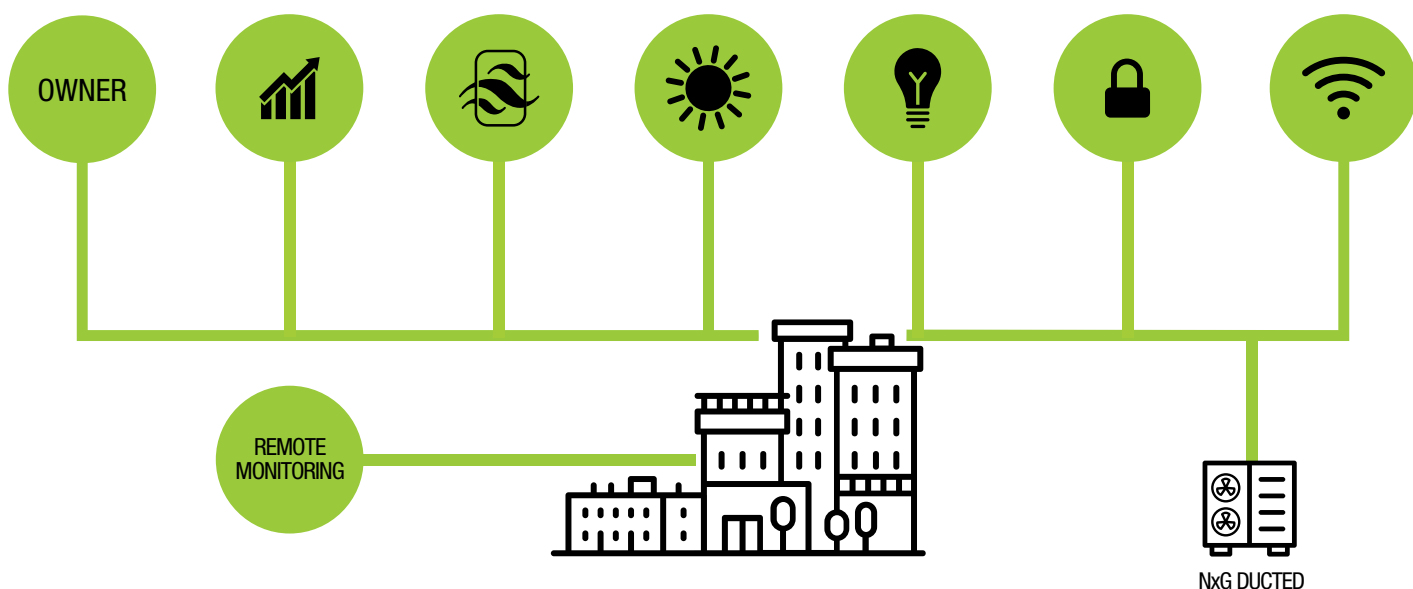
ENHANCED EFFICIENCY

Precise refrigerant volume control inside the evaporator.

Precise feedback mechanism controls through the Stepper Motor.

BMS COMPATIBILITY

EASY AND EFFICIENT OPERATION



Building Management Systems get integrated control through the RS485 communication port.

Designed for

OPTIMUM PERFORMANCE

PRECISE TEMPERATURE CONTROL FOR ENHANCED COMFORT

KEY FEATURES



- 1 High levels of energy savings with variable ambient temperatures and load.
- 2 Lower inrush of current.
- 3 No over-cycling of motor compressor.
- 4 Power consumption under control during peak load.



INTELLIGENT AIRFLOW MANAGEMENT

CREATES COMFORTABLE AMBIENCE INSIDE THE ROOM



Multispeed motor fan helps in maintaining the right airflow inside the air-conditioned space.

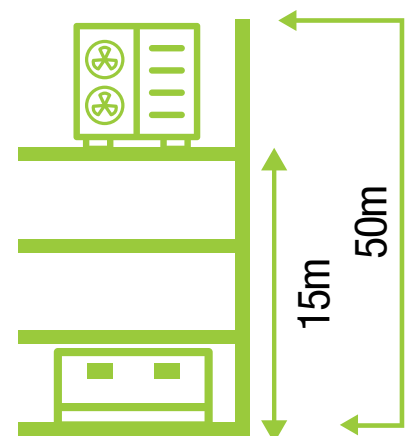


Eliminates any discomfort caused due to heat pocket formations.

IMPROVED SYSTEM DESIGN

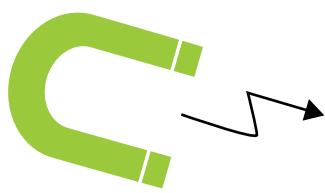
INSTALLATION FLEXIBILITY

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



ELECTROMAGNETIC INTERFERENCE (EMI) FILTER

RELIABLE AND ROBUST OPERATION



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

REMOTE CONTROLLERS

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



LED MULTIFUNCTION CONTROLLER (STANDARD)



WIRELESS REMOTE CONTROLLER (OPTIONAL)*

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.



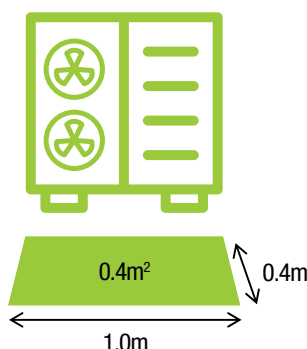
Easy restoration of refrigerant after service operation.

REDUCED FOOTPRINT

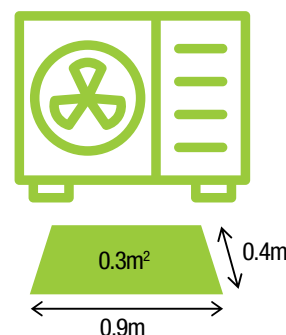
24%

lower footprint for 7HP NxG ODU compared to the equivalent 7HP ODU.

CURRENT 7HP NxG ODU



NEW 7HP NxG ODU



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

CARRIER INVERTER DUCTED AIR CONDITIONER

NOW WITH MERV 11
FILTER (PM 2.5)

AVAILABLE IN 7HP AND 11HP CAPACITIES

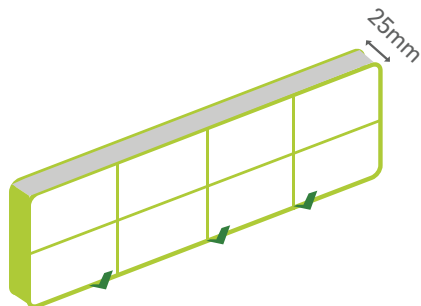
Our range of inverter ducted air conditioners now comes with a two-stage filtration process that can be upgraded in the existing installations as well.*

Pre-filter: To filter out large particles

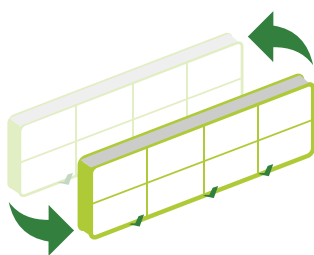
MERV 11 filter: To remove particles as small as 1 micron

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

EASE OF INSTALLATION



Compact filter width: 25mm



Easy DIY filter replacement



Works for both greenfield and retrofit projects

FILTER LIFE CYCLE: RUNS AS GOOD AS NEW EVEN AFTER BEING WASHED.



RoHS compliant



1,200 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
*Easily identify
air quality*



Digital indicator
*Monitor air quality
in real time*



Brightness control
*Adjust the brightness
level of the display*

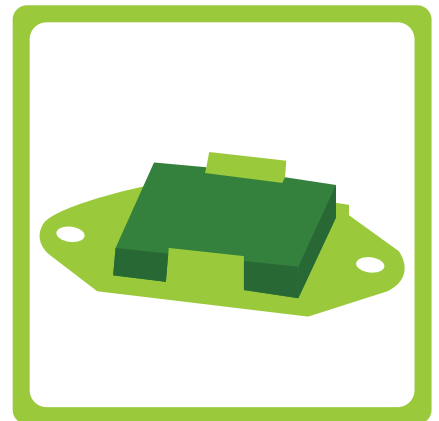


Select your screen
*Choose from 5 available
display options*

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



MERV 11 FILTER COMES WITH STATE OF THE ART SENSORS



Laser sensor
*Experience higher accuracy
and higher sensitivity*



Auto calibration
*Avoid the hassle of
manual recalibration*



Compact and lightweight
*Install easily even
in existing units*



TECHNICAL SPECIFICATIONS

		7HP	11HP	14HP	22HP
Model No. (Outdoor + Indoor)		CDIS-183R1-1CTR4	CDIS-288S1-1CTR4	CDIS-378S1-1CTR4	CDIS-573S2-1CTR4
Model No. (Indoor)		CDII-183R1-1CTR4	CDII-288S1-1CTR4	CDII-378S1-1CTR4	CDII-573S2-1CTR4
Model No. (Outdoor)		CDIC-183R1-1CTR4	CDIC-288S1-1CTR4	CDIC-378S1-1CTR4	CDIC-287S1-3CTR4 / CDIC-287S1-4CTR4
Nominal Static Pressure	Pa	0, 30	0, 30	0, 40	0, 40
Nominal Refrigeration Capacity	kW	19.6, 18.3	29.9, 28.8	38.6, 37.0	59.8, 57.3
Rated Power Supply	Volts / Hz / Ph	400 +/-10% / 50 / 3			

INDOOR UNIT

Overall Size (Width x Length x Height)	mm	750 X 1,250 X 345	700 X 1,646 X 460	925 X 1,900 X 460	970 x 1,946 x 684
Net Weight		60	91	130	182
Gross Weight		70	120	190	210
Airflow Rate	CFM	2,200; 1,980	3,400; 3,060	4,400; 3,960	6,800; 6,500
Evaporator (Material / Type)		Copper / Internally Grooved			
Expansion Device		Electronics Expansion Valve			
Fan / Blower Type		Centrifugal (DIDW), Metallic			
Rated Power Supply		230 +/-10% / 50 / 1			
Air Filter Media		Cellular Polyolefin Mesh			
Filter Drier		Yes			

OUTDOOR UNIT

Overall Size (Width x Length x Height)	mm	325 X 904 X 820	610 X 982 X 1,100	605 X 1,200 X 1,075	610 X 982 X 1,100
Net Weight		65	150	175	150
Gross Weight		70	165	200	165
No. of Outdoor Units / Systems		1			2
Compressor Type		DC Inverter			
Refrigerant		R410A			
Rated Power Supply	Volts / Hz / Ph	400 +/-10% / 50 / 3			
No. of Compressors / Outdoor		1			1
Condenser (Material / Type)		Copper / Internally Grooved			

INTERCONNECTING TUBES

Liquid Line	in	3/8"	1/2"	5/8"	1/2"
Suction Line	in	3/4"	1 – 1/8"	1 – 1/8"	1 – 1/8"

*Capacity rated in accordance with IS 8148



CARE
CONCERN
COMMITMENT

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1800 1021 421

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TOTALINE

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