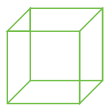


THE RIGHT CHOICE *for* NEXT-GEN COOLING



United Technologies
turn to the experts 




**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.

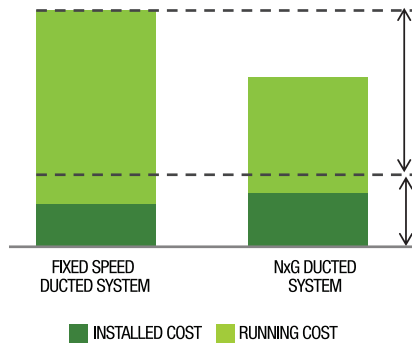
The new Carrier Inverter Ducted Air Conditioner combines the ease-of-installation of Ducted Air Conditioners and the performance of 1:1 VRF units to provide effective cooling without compromise.

**NXG
DUCTED**



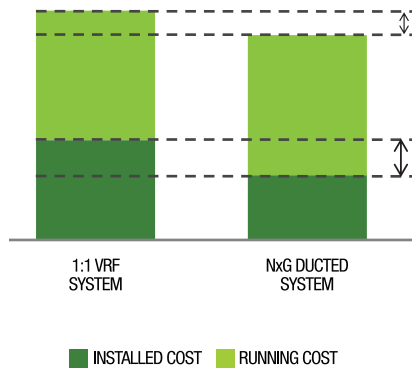


GREEN FIELD PROJECT



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

➔ Payback < 1 year*



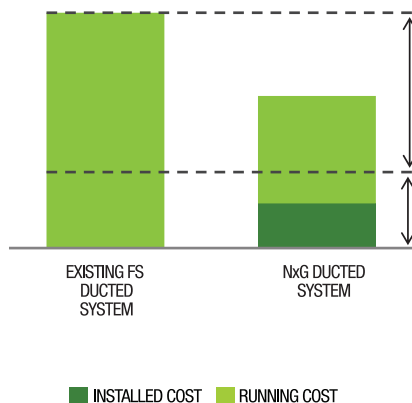
➔ **11%** lower lifecycle cost*

➔ **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*

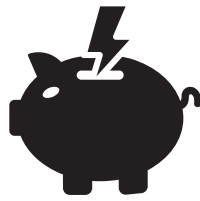
➔ Payback ~ 2 years*

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

NXG INVERTER AIR-CONDITIONERS

ENABLING ENERGY SAVING AND PRECISE TEMPERATURE CONTROL

ENERGY SAVING



25°-35°

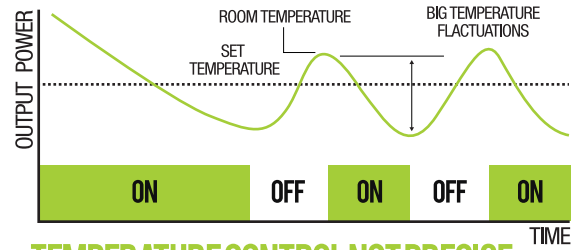


FS DUCTED



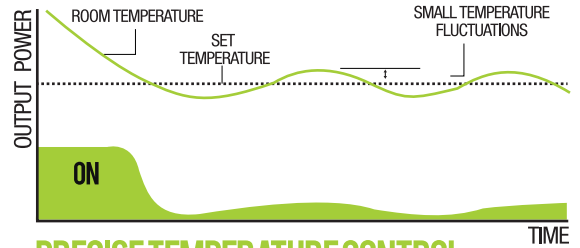
NxG DUCTED

FIXED SPEED



TEMPERATURE CONTROL NOT PRECISE

INVERTER



PRECISE TEMPERATURE CONTROL

Designed for OPTIMUM PERFORMANCE

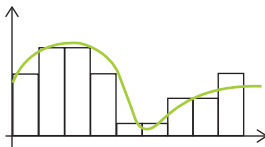
PRECISE TEMPERATURE CONTROL FOR ENHANCED COMFORT

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.

ELECTRONIC EXPANSION VALVE



ENHANCED EFFICIENCY

Precise refrigerant volume control inside the evaporator

Precise feedback mechanism controls through Stepper Motor



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.

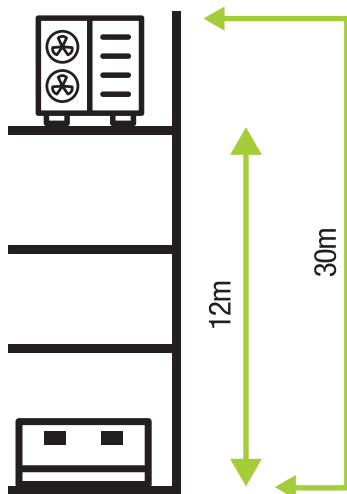


Eliminates any discomfort caused due to heat pocket formations.

IMPROVED SYSTEM DESIGN

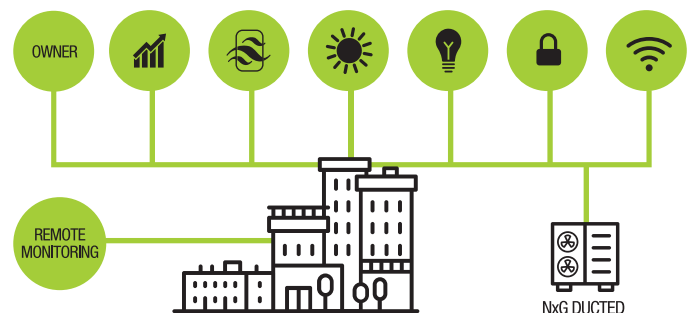
INSTALLATION FLEXIBILITY

Improved system design facilitates longer piping with minimal deration as compared to conventional fixed speed system.



BMS COMPATIBILITY

EASY AND EFFICIENT OPERATION



Building Management Systems get integrated control through RS485 communication port.

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.

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 IN DRIVE



PHASE REVERSAL



PHASE SEQUENCING ISSUE



UNDER-VOLTAGE



PHASE LOSS



OVER-VOLTAGE



OVER CURRENT

REMOTE CONTROLLERS

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



WIDE SCREEN BACKLIT LED MULTIFUNCTION CONTROLLER (STANDARD)



WIRELESS REMOTE CONTROLLER (OPTION)*

*Please contact your Carrier representative for differential price

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.



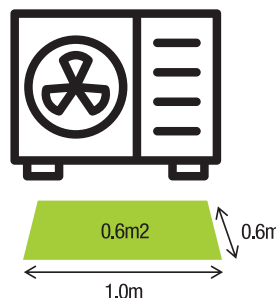
Easy restoration of refrigerant after service operation.

REDUCED FOOTPRINTS

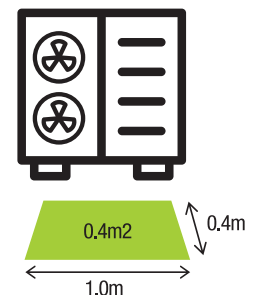
30%

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

8.5TR FIXED SPEED DUCTED ODU



11HP NxG DUCTED ODU



TECHNICAL SPECIFICATION: NxG DUCTED

		7 HP	11 HP
Model No (Indoor + Outdoor)		CDIS-184R1-0CTR4	CDIS-299S1-0CTR4
Nominal Refrigeration Capacity*	kW	18.40	29.90
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
Air Flow Rate	CFM	2200	3400
Controller		Corded LED Controller/Cordless Remote (Optional)	
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	
Compressor Type	Type	DC Inverter	
Refrigerant	Type	R410A	
No 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"
Suction Line	Inches	3/4"	1-1/8"

*capacity rated in accordance with IS 8148



FOR MORE DETAILS, PLEASE CONTACT OUR SALES OFFICE:

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