



# *Ducted Air Conditioners*



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# Gree Ducted Air Conditioners

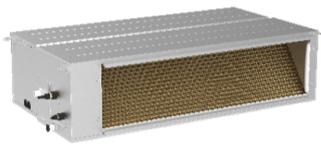
Gree's new range of Ducted Air Conditioners incorporates Gree's latest climate control technology. New compressors, new coil designs, all DC components and dynamic fluid design for greater and quieter airflow. This means a more efficient heat pump, with less intrusion into your home.



50 / 71



100



125 / 140 / 160



FGR20

The Gree ducted air conditioners come in 7 different models from 5.3 to 20kW, with adjustable air flows, there is a perfect model for your home.



50 / 71



100 / 125



140 / 160



FGR20



### ***Gree G10 Inverter Module***

Each new Ducted Air Conditioner is powered by Gree's G10 inverter module connected to a new, high efficiency DC inverter compressor. Gree has paid great attention to improving the efficiency and durability of their new range of compressors.

### ***Energy Efficiency***

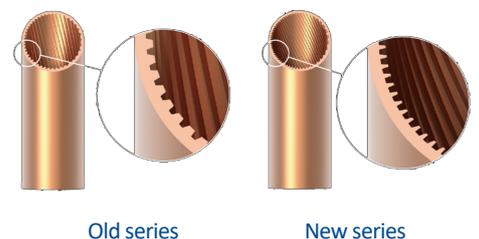
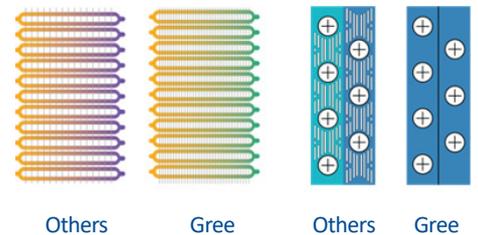
All DC componentry improves energy efficiency, from the DC Inverter compressor with its step less capacity output, to brushless DC fan motors providing greater energy savings over older AC motors, to the DC electronic expansion valve offering precise control, each component contributes to better energy use.

### ***New Gree Climate Control Technology***

Gree's new range of Ducted Air Conditioners incorporates Gree's latest climate control technology. New compressors, new coil designs, all DC components and dynamic fluid design for greater and quieter airflow. This means a more efficient heat pump, with less intrusion into your home.

### ***Improved Design***

Each small step improves energy efficiency. From Improved rifling on the inner copper tubes to increase the internal heat transfer surface area, to low resistant refrigerant distribution within the coil, new coil fins with an optimised wind field design, Bionic fan blades with improved aerodynamic performance and a new "rain drop" grille for low wind resistance, all together these steps contribute to increased heat exchange efficiency and better use of your energy.

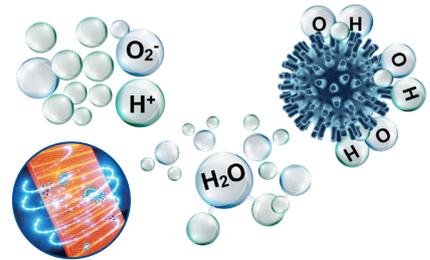


# Enjoy Comfort with Your Family

## Plasmacluster Ion Sterilisation & Fresh Air Intake Control

Everyone's focus has been on healthy, clean air in the last few years. Gree have responded to this with several new features to help keep your family safe.

Each indoor unit has an inlet for fresh air. This allows us to introduce via the indoor unit, fresh conditioned air while pushing out the stale air in the home. This air also passes by the Plasma Cluster Ion generator, this generator produces high energy ions and hydroxyl (OH) These ions and hydroxyls are absorbed on the surface of germs, and they extract hydrogen in the form of water, thus killing the germs. Each new ducted unit also comes with a self-rinsing feature to make sure the indoor coil is kept clean and free of bacteria and germs.



## Intelligent Control

Superb comfort features, Gree Ducted Air Conditioners have several features for greater user comfort.



Standard  
XE7C-24/HC  
5 to 16 kW



XK46  
20kW



Optional  
JS13 YAP1F7 or YAP1F4

## Fast Cooling & Heating

Fast cooling and heating, the turbo mode will quickly heat or cool your home and once it gets to the correct temperature, will return automatically back to normal operation. All Gree units come with the I-Feel mode, this allows for the selection of where the temperature is detected, at the unit or at the wall controller. A humidity sensor is fitted as standard and works in cohesion with the temperature sensors to effectively control the effect of humidity on thermal comfort.

# Features that Make Installation Easier

## Detachable Design\*

Retrofitting ducted air conditioners can sometimes be awkward. Gree have solved this by making the indoor unit detachable. This allows the fan deck and the coil to be separated and installed into the ceiling through a 450mm square opening.

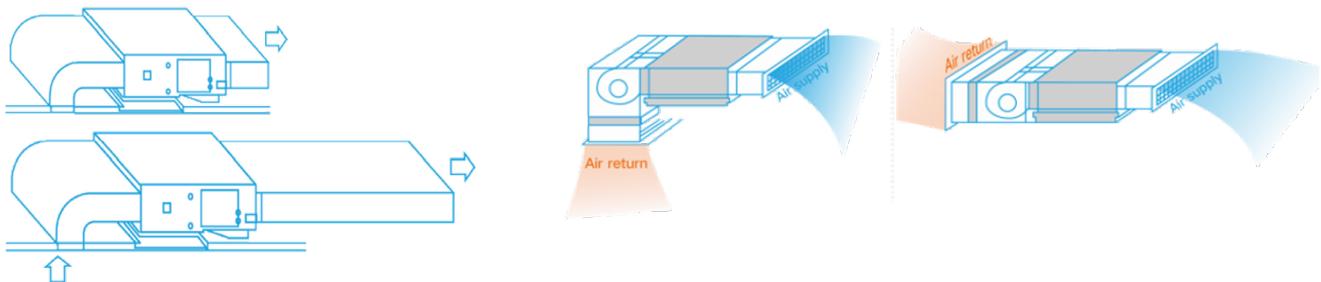


\*Models 125 /140 / 160 / FGR20 only.

## Convenient Installation\*

Not every house is the same, when installing ducted units, it is important to balance the system and adjust the air flow to suit the duct design for the home. Gree units have 9 static pressure stages which allow for the fine tuning of the air movement.

The return air can be moved from behind the indoor unit to below, and drain pumps are included as standard, along with gravity drains if preferred.



Grilles Selection

\*Models 50 / 71 only.

# Why Choose Gree Ducted?

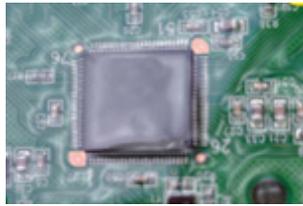
## Why choose Gree Ducted Air Conditioners?

At Gree Australia we offer a six-year warranty; our confidence in offering this warranty goes back to the sound engineering that goes into the development of all Gree products.

The outdoor PCB is coated with three layers of Aus Guard to prevent corrosion. There is a full suite of safety features as standard with self-diagnosis to make servicing easier. The outdoor chassis is made of zinc coated and painted mild steel. The coils fin stock is protected by a hydrophilic coating. The unit will operate under a wide voltage and temperature range and has auto restart and a closed loop start-up program.



Before Coating



After Coating

## Features



Wifi Control



8°C Heating



3D Airflow



Lock



7 Fan Speeds



I Feel



Eco Mode



Three Sleep Modes



Clock Display



3DC Inverter



X-fan



Timer



Turbo Button



Self-Diagnosis



Soft Start



LED Display

# Technical Specification

Type		U-Match Ducted					
Range		U-Match	U-Match	U-Match	U-Match	U-Match	U-Match
Model		GUD50PHS1/C-S	GUD71PHS1/C-S	GUD100PHS1/C-S	GUD125PHS1/C-S	GUD140PHS1/C-S	GUD160PHS1/C-S
		GUD50W1/NhC-S	GUD71W1/NhC-S	GUD100W1/NhC-S	GUD125W1/NhC-S	GUD140W1/NhC-S	GUD160W1/NhC-S
Performance							
Cooling Capacity (Range)	kW	5.3 (2.4~6.0)	7.1 (2.46~7.8)	10.0 (3.0~11.7)	12.5 (3.6~14.0)	14.0 (4.2~16.0)	16.0 (4.3~18.0)
Heating Capacity (Range)	kW	5.8 (2.2~7.0)	8.0 (2.2~8.8)	12.0 (3.6~13.5)	14.0 (4.2~15)	16.0(4.8~17.0)	18.0 (5.4~20.0)
Cooling Power Input	kW	1.25	1.97	2.7	3.68	3.92	4.80
Heating Power Input	kW	1.25	2.00	3	3.68	4.2	4.65
Cooling AEER	W/W	4.31	3.69	3.64	3.35	3.49	3.37
Heating ACOP	W/W	4.56	3.98	3.9	3.72	3.83	3.8
SERL Star Label	Cool	4/3.5/3.5	3.5/3.5/3.5	4/3.5/4	4/3.5/4	3.5/3/3	3.5/3.0/3.5
Hot/Ave/Cold	Heat	3.5/3/2.5	3.5/2.5/2	3/2.5/2	3/2.5/2	3.5/2.5/2	3.5/2.5/2
Dehumidifying Volume	L/Hr	1.7	2.4	3	3.5	4	4.5
Air Flow Volume*	L/Sec	333	417	583	778	889	972
ESP, Factory set	Pa	25	25	37	50	50	50
ESP, Range	Pa	0 ~ 160	0 ~ 160	0 ~ 160	0 ~ 200	0 ~ 200	0 ~ 200
Sound Pressure (Min/Max) Ind	dB(A)	35 ~ 41	46 ~ 44	40 ~ 42	39 ~ 42	41 ~ 45	46 ~ 50
Sound Pressure / Power Out	dB(A)	57 / 67	57 / 68	58 / 72	59 / 73	59 / 72	60 / 73
Electrical							
Power Supply	V-Hz-Ph	220~240/50/1					
Recommended Circuit Breaker	A	16	20	32	32	40	40
Nominal Current (Cool / Heat)	A	5.7 / 5.7	9.0 / 9.1	12.3 / 13.7	16.9 / 16.9	18 / 19.3	22 / 21.3
Control Wiring		3 Core + Earth					
Dimensions and Weights							
Indoor Dimensions (WxHxD)	mm	900 x 260 x 655	900 x 260 x 655	1340 x 260 x 655	1350 x 360 x 720	1350 x 360 x 720	1350 x 360 x 720
Indoor Net Weight	kg	30	30	43	57	60	60
Outdoor Dimensions (WxHxD)	mm	889 x 660 x 340	889 x 660 x 340	940 x 820 x 370	940 x 820 x 370	900 x 1260 x 340	900 x 1260 x 340
Outdoor Net Weight	kg	42	42	67	67	90.0	97
Installation							
Operating Temp Range Cool	°C	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15 ~ 52	-15° ~ 52°	-15 ~ 52
Operating Temp Range Heat	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15° ~ 24°	-15 ~ 24
Refrigerant Type		R32	R32	R32	R32	R32	R32
Refrigerant Charge	kg	1.4	1.4	2.2	2.4	2.8	3.3
Max Pipe Length (pre-charged)	M	30(15)	30(15)	75 (15)	75 (15)	75 (15)	75 (15)
Max height		20	20	30	30	30	30
Additional Refrigerant	g/m	16	16	25	25	25	35
Pipe Connection		3/8" ~ 5/8"	3/8" ~ 5/8"	3/8" ~ 5/8"	3/8" ~ 5/8"	3/8" ~ 5/8"	3/8" ~ 5/8"
Plenum Sizes	Supply	215 x 740	215 x 740	215 x 1153	190 x 850	190 x 850	190 x 850
	Rtn	235 x 871	234 x 871	220 x 1188	326 x 1170	326 x 1170	326 x 1170

\*Airflows are based on 50pa, please refer to technical manual for specifications at all static pressure settings.

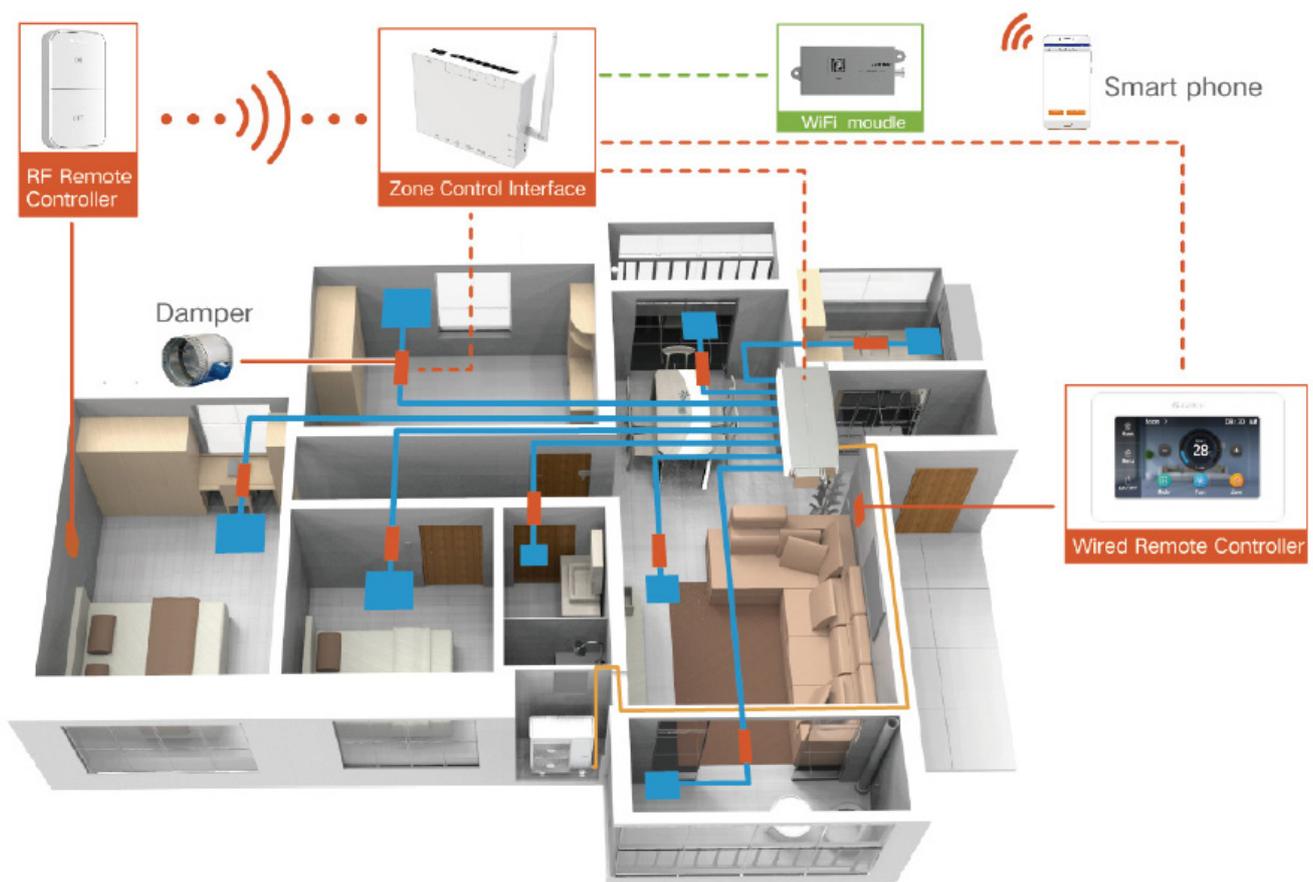
# Technical Specification

Model		FGR20Pd/DNa-X(AU)
<b>Performance</b>		
Cooling Capacity (range)	kW	20.4(10~25)
Heating Capacity (range)	kW	22.5(10~30)
Cooling Power Input	kW	6.38
Heating Power Input	kW	6.28
AEER	W/W	3.16
ACOP	W/W	3.96
Air Flow Volume(Max)	L/sec	1333
Static Pressure (adjustable)	Pa	0~250
SPL Indoor	dB (A)	53
SPL Outdoor	dB (A)	60
<b>Electrical</b>		
Power Supply	380~415 / 50Hz / 3ph - Outdoor	
Recommended Circuit Breaker	A	32
Cooling / Heating	A	13.3 / 13.6
Indoor Power supply	230V	2 Core plus earth (3 cores)
Control Wiring	2 Core non polar	
Wired Controller	XK46	
<b>Dimensions and Weights</b>		
Indoor Dimension (W×H×D)	mm	1520x450x840
Indoor Net Weight	kg	110
Outdoor Dimension (W×H×D)	mm	940x1615x460
Outdoor Net Weight	kg	190
<b>Installation</b>		
Operating Temp Range (Cool)	°C	-7~48
Operating Temp Range (Heat)	°C	-20~24
Refrigerant	R410a	
Refrigerant Charge	kg	6.7
Pre-charged pipe length	m	7.5
Gas Additional Charge	g/m	54
Pipe Connections (Brazed)	mm	9.52 / 22.2
Max Pipe Height	m	30
Max Pipe Length	m	70
Condensate drain outlet	mm	30
Plenum Sizes	Supply (mm)	967 x 257
	Return (mm)	1281 x 362

# Control Options

## Gree Zone Control (Optional)

Duct type units with zone controllers can provide independent temperature control for up to 8 zones / rooms. Each room has individual control and can be closed off when not in use. This means that the Gree zone controller can provide energy savings and greater comfort and temperature stability.



# Control Options

## Central Controller

Gree offer a range of controllers including a Central Controller to manage several units at once.



## Gate Card Function LE60-24/H1 (Optional)

Connectable to the access control system: pull the key card to turn off the indoor unit and reinsert to resume operation.



## Dry Contact Gateway (ME30-42/E1)

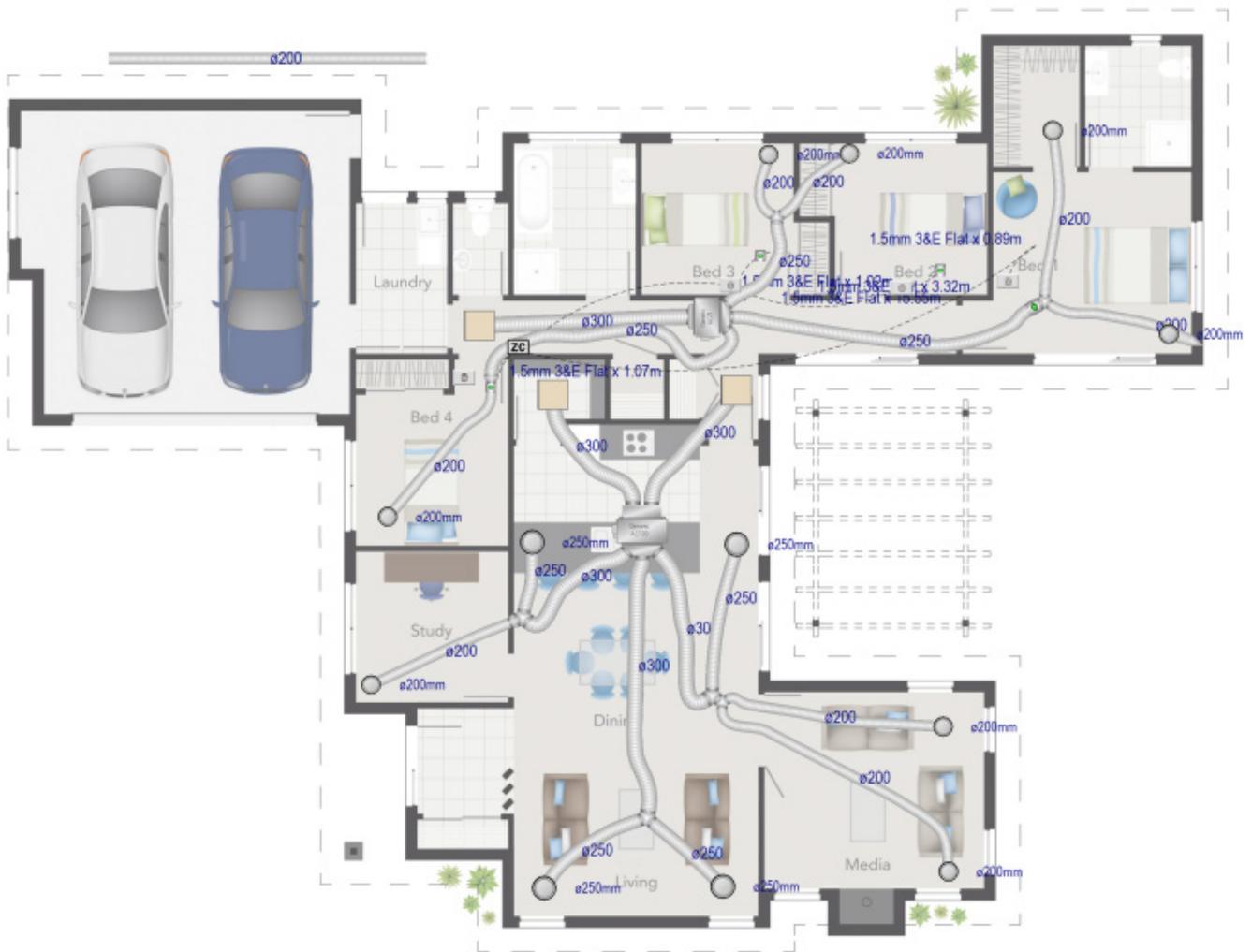
The dry contact controller (optional) provides signal output contacts for fire alarms, remote on/off. Operating status, running mode and error indicating.



# Duct Design Service

## Duct Design Service

Universal duct kits may not fit every situation, so Gree offer a free duct design service for residential and light commercial projects. This service is offered through the Gree Dealer network.



## About Gree

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“One in three is Gree”, one third of all air conditioners manufactured worldwide are made by Gree Electric Appliances of Zhuhai, China. The business was founded in 1991, from a small factory in Zhuhai, China. By 2023 sales revenue had reached \$40 billion (AUD) worldwide, with products sold in 190 countries and over 400 million users, making Gree Electric one of the largest air conditioning enterprises in the world.

The Gree range has been distributed in Australia for over 20 years and we have over 300 dealers and resellers nationwide, with over seventy distribution centres throughout the country.

Gree products come with a comprehensive 6 years parts and labour warranty. Gree is supported locally by a full range of spare parts for all models distributed across Australia and backed by a skilled technical team and warranty providers for comprehensive after sales support.



For Installation and Sales:

For Parts and Warranty:

 **GREE**  
AIR CONDITIONERS  
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GREE DUCTED AIR CONDITIONERS-0225