

# Gree Ducted



Gree Ducted Air Conditioning Systems offer discreet heating and cooling for your home or work place and is tailored to fit perfectly into your environment. By adding zone control, it offers a higher level of control compared to traditional air conditioning units, which means a greater level of comfort and increased energy efficiency. Unlike hi-wall air conditioners, the Gree Ducted System is integrated into your home, office or floor space, this means you will only see the grilles in the ceiling and controller on the wall, no bulky units taking up wall space. There are a wide range of grilles available to match in with your interior design and they can be positioned to suit the room size and shape to ensure even air distribution for maximum comfort with minimal noise. Gree Ducted Air Conditioning Systems can be installed into new builds or can be retro fitted into your existing home or office.

## ***Adjustable ESP***

---

Indoor units on the Gree Ducted Air Conditioning System all come with adjustable static pressure that can be adjusted on the controller during commissioning to ensure the best air flow and maximum comfort. There are 9 steps ranging from 10 to 200pa.

## ***Superb Comfort Options***

---

The Gree Ducted system comes with several features for greater user comfort. The “I-Feel” mode on the controller allows for accurate temperature sensing around the user. The user can select between this and the return air sensor in the unit to control the operation of the air conditioner, therefore selecting the best degree of comfort. Gree Ducted Systems also have the ability to operate using dual controllers, i.e. one controller positioned in the living area and one in the master bedroom, thus providing convenient AC control.

## ***Also Available***

---

The new Gree Zone Control (Page 8) allows you to control the temperature in individual rooms from one central controller.

# Gree Ducted Technical Specification



Type			Ducted						
Model	Indoor	GUD50PS/B-S	GUD71PHS/B-S	GUD100PHS/B-S	GUD125PHS/B-S	GUD140PHS/B-S	GUD160PHS/B-S		
	Outdoor	GUD50W/Nh B-S	GUD71W/Nh B-S	GUD100W/NhB-S	GUD125W/NhB-S	GUD140W/NhB-S	GUD160W/NhB-S		
<b>Performance</b>									
Capacity HI	Cooling	kW	5.3	7.1	9.5	12.5	13.8	16	
	Heating	kW	5.8	8.0	12.0	13.5	16.0	18.0	
Range	Cooling	kW	2.0~6.0	2.4~8.0	3.2~11	3.6~12.8	6.8~16	6.0~17	
	Heating	kW	2.0~6.9	2.2~9.0	3.0~13.5	3.6~14.5	4.5~17	7.0~19	
Power input HI	Cooling	kW	1.32	1.97	2.95	3.75	4.3	4.90	
	Heating	kW	1.41	2.05	3.5	4.0	4.35	5.15	
AEER / ACOP		W/W	3.99 / 4.06	3.55 / 3.81	3.25 / 3.44	3.33 / 3.5	3.21 / 3.68	3.33 / 3.56	
SEER Label Stars	Hot/Ave/Cold	Cool Heat	3.5 / 3.0 / 3.0 3.5 / 2.5 / 2.0	3.0 / 2.5 / 3.0 2.5 / 2.0 / 1.5	3.0 / 2.5 / 2.5 2.5 / 1.5 / 1.0	3.0 / 3.0 / 3.0 3.0 / 2.0 / 1.5	3.0 / 3.0 / 3.0 3.0 / 1.5 / 1.0	3.0 / 2.5 / 3.0 3.0 / 2.0 / 1.5	
Operation temp	Cooling	°C	-15 ~ 52					-18 ~ 52	
	Heating	°C	-15 ~ 24						
System Operation Control		-	Standard, XE71-42G wired controller						
Air Flow Volume (rated ESP)		l/s	306	389	555	555	611	888	
ESP	Rated	Pa	25	25	37	50			
	Range	Pa	10~80	10~150	10~175	10~200			
Sound Pressure Level (L/M/H/SH)		dB (A)	37 / 38 / 40 / 41	37 / 39 / 41 / 44	40 / 42 / 45 / 46	41 / 42 / 43 / 47	41 / 44 / 47 / 49	40 / 42 / 45 / 48	
Sound Power Level Outdoor		dB (A)	61	62	65	68	69	66	
<b>Electrical</b>									
Power Supply	V-Hz-Ph		220-240-50 / 60-1						
Recommended Circuit Breaker	A		16	20	32	40			
Input Current	Cooling	A	6.2	9.2	13.8	17.5	20.1	22.9	
	Heating	A	6.6	9.6	16.4	18.7	20.3	24.1	
Indoor Dimensions (WxDxH)	mm		1000x450x200	900x655x260	1000x700x300	1400x700x300		1150x720x350	
Outdoor Dimensions (WxDxH)	mm		964x340x698		940x460x820		900x340x1350	940x320x1430	
Indoor Net Weight	kg		26	30	41	57	57	57	
Outdoor Net Weight	kg		47	53	83	92	106	117	
Drain Connection	mm		Pump Φ 25mm, Gravity Drain Φ 20mm					Pump Φ 20mm	
Condensate Pump Lift & Head	mm		1000						
<b>Installation</b>									
Connection Type		-	Flare						
Outer Diameter	Liquid Pipe	mm (in)	6.35 (1 / 4")	9.52 (3 / 8")					
	Gas Pipe	mm (in)	12.7 (1 / 2")	15.88 (5 / 8")					
Max Pipe Distance	Height	m	20*	25*	30*				
	Length	m	35	50	65	75			
Refrigerant R32	Charge	kg	1.3	1.97	3.02	3.17	4.1	4.5	
	Pre-charged	m	15	20					
	Additional gas charge	g/m	20	25	35	40			
Power Supply	Outdoor Unit	mm <sup>2</sup>	3 x 2.5		3 x 4.0		3 x 6.0		
Power Interconnection		mm <sup>2</sup>	3 x 1.0						
Communication wiring		mm <sup>2</sup>	2 x 0.75						
Wall Controller wiring		mm <sup>2</sup>	2 x 0.75						
Plenum opening	Supply WxH	mm	885 x 122	743 x 219	751 x 197	1151 x 197	1151 x 197	853 x 194	
	Return WxH	mm	1000 x 200	900 x 260	962 x 264	1362 x 264		954 x 316	

\* oil return bend every six metres