

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	
Performance									
Capacity H1	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 H1	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	
Electrical									
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	31	41	57	57	58	
Outdoor Net Weight		kg	47	53	83	92	106	117	
Drain Connection		mm	Pump Φ 25mm, Gravity Drain Φ 20mm						Pump Φ 25mm
Condensate Pump Lift & Head		mm	1000						
Installation									
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	mm²	3 x 2.5		3 x 4.0		3 x 6.0		
Power Interconnection		mm²	3 x 1.0						
Communication Wiring		mm²	2 x 0.75						
Wall Controller Wiring		mm²	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