



SUBMITTAL DATA

Multi Zone 21 Seer 42KBTU

Model: GWHD(42)ND6MO

Job Name

Purchaser

Submitted to

Unit Designation

Location

Date

Engineer

For

Schedule No.



GENERAL FEATURES:

- AHRI Certificate:
214931590: Non-Ducted Indoor Units
214931596: Ducted Indoor Units
214931600: Mixed Ducted and Non-Ducted
- R32 Refrigerant
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller options
- Low Ambient Cooling down to -22°F (Range -22°F to 118°F)
- Low Ambient Heating down to -22°F (Range -22°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested



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SPECIFICATIONS & FUNCTIONS:

Product Model		GWHD(42)ND6MO
Cooling Capacity	Btu/h	42000
Min. Cooling Capacity	Btu/h	8870
Max. Cooling Capacity	Btu/h	44300
Heating Capacity	Btu/h	42000
Min. Heating Capacity	Btu/h	8870
Max. Heating Capacity	Btu/h	46000
EER	(Btu/h)/W	13.54
COP	(Btu/h)/W	13.54
SEER	--	21
HSPF	--	10
Air Flow Volume	CFM	3413
Sound Pressure Level	dB(A)	63
Sound Power Level	dB(A)	74
Rated Voltage	V ~	208/230
Rated Frequency	Hz	60
Phases	--	1
Cross-sectional Area of Power Cable Conductor	sq in	0.008215
Recommended Power Cable(Core)	N	3
Fuse Current	A	30
Cooling Power Input	kW	3.1
Max. Cooling Power Input	kW	5
Heating Power Input	kW	3.15
Max. Heating Power Input	kW	5.2
Cooling Current Input	A	13.47
Heating Current Input	A	13.7
Rated Current	A	21.73/22.6
Starting Current	A	5
Max. Over Current Protection	A	35
Min. Current (MCA)	A	29
Compressor Manufacturer	-	LANDA COMPRESSOR
Compressor Model	-	QXFS-D40zx070A
Compressor Type	-	Twin Rotary
Compressor Capacity	W	14630
Compressor Power Input	W	3621.28
Compressor RLA	A	7.5
Compressor Thermal Protector	-	KSD115°CHPC115/95U1
Compressor Refrigerant Oil Type	-	FW68DA or equivalent
Compressor Refrigerant Oil Charge Volume	L	1.35
Chassis Electrical Heater Power Input	W	96
Fan Type	-	Axial-flow
Fan Quantity	-	1
Motor Model	-	B-SWZ130E
Motor Type	-	DC motor
Motor Insulation Class	-	B
Motor Safe Class	-	IP44
Motor Full Load Amp(FLA)	A	2.8
Fan Motor Speed	r/min	cooling860/heating860
Fan Motor Power Output	W	130

Product Model		GWHD(42)ND6MO
Condenser Material	-	Aluminum Fin-copper Tube
Condenser Face Area	Sq ft	9.04
Condenser Number of Rows	-	3
Condenser Fins per Inch(FPI)	-	16
Condenser Number of Circuits	-	7in-7out
Condenser Max. Allowable Pressure	P.S.I.G	1450
Permissible Excessive Operating Pressure for the Discharge Side	P.S.I.G	624
Permissible Excessive Operating Pressure for the Suction Side	P.S.I.G	362
Maximum Allowable Pressure	P.S.I.G	710
Cooling Operation Ambient Temperature Range	°F	-22-118
Heating Operation Ambient Temperature Range	°F	-22-75.2
Maximum drive IDU NO.	unit	5
Defrosting Method	-	Automatic Defrosting
Refrigerant	--	R32
Factory Refrigerant Charge	oz	95.24
GWP		675
Metering Device		Electric expansion valve
Dimension of Outline(W)	inch	40 10/64
Dimension of Outline(D)	inch	16 52/64
Dimension of Outline(H)	inch	32 33/64
Dimension of Carton Box (L)	inch	42 58/64
Dimension of Carton Box (W)	inch	19 29/64
Dimension of Carton Box (H)	inch	34 16/64
Dimension of Package(L)	inch	43 2/64
Dimension of Package(W)	inch	19 36/64
Dimension of Package(H)	inch	34 54/64
Net Weight	lb.	178.6
Gross Weight	lb.	191.8
Connection Pipe Connection Method	-	Flare Connection
Not Additional Gas Connection Pipe Length	ft	164
Connection Pipe Gas Additional Charge	oz/ft.	0.2
Outer Diameter of Liquid Pipe(British System Allocation)	inch	1/4"
Outer Diameter of Gas Pipe(British System Allocation)	inch	3/8"
Connection Pipe Max. Height Distance(indoor and indoor)	ft	82.02
Connection Pipe Max. Height Distance(indoor and outdoor and indoor up)	ft	82.02
Connection Pipe Max. Height Distance(indoor and outdoor and outdoor up)	ft	82.02
Max. equivalent connection pipe length(outdoor to last indoor)	ft	82.02
Connection Pipe Max. Length Distance(total length)	ft	328.08
Low Ambient Cooling	-	YES
Low Voltage Startup	-	YES
Chassis With Electric Heater	-	YES



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MULTI-ZONE COMPATIBILITY CHART

WALL MOUNT OPTIONS

	MULTI-ZONE				
	GWHD(18)ND6MO	GWHD(24)ND6MO	GWHD(30)ND6MO	GWHD(36)ND6MO	GWHD(42)ND6MO
Charmo					
System Model no.					
GWH05ATCXB-D6DNA1C	•	•	•	•	•
GWH07ATCXB-D6DNA1C	•	•	•	•	•
GWH09ATCXB-D6DNA1C	•	•	•	•	•
GWH12ATCXB-D6DNA1A	•	•	•	•	•
GWH18ATDXD-D6DNA1A		•	•	•	•
GWH24ATEXF-D6DNA1F			•	•	•
GWH30ATEXH-D6DNA1G					
GWH36ATEXH-D6DNA1G					
Clivia					
System Model no.					
GWH09AUCXD-D6DNA1C	•	•	•	•	•
GWH12AUCXD-D6DNA1B	•	•	•	•	•
GWH18AUDXF-D6DNA1A		•	•	•	•
GWH24AUDXH-D6DNA1A			•	•	•
Pular					
System Model no.					
GWH09AGCXD-D6DNA4C	•	•	•	•	•
GWH12AGCXD-D6DNA4B	•	•	•	•	•
GWH18AGDXF-D6DNA4A		•	•	•	•
GWH24AGEXF-D6DNA4I			•	•	•
SAPPHIRE					
System Model no.					
GWH09AVDXE-D6DNA1A	•	•	•	•	•
GWH12AVDXE-D6DNA1A	•	•	•	•	•
GWH18AVEXF-D6DNA1A		•	•	•	•
GWH24AVEXH-D6DNA1A				•	•

ADDITIONAL INDOOR UNIT OPTIONS

	MULTI-ZONE				
	GWHD(18)ND6MO	GWHD(24)ND6MO	GWHD(30)ND6MO	GWHD(36)ND6MO	GWHD(42)ND6MO
ONE WAY CASSETTE					
System Model no.					
GKH(09)DA-D6DNA1B/I	•	•	•	•	•
GKH(12)DA-D6DNA1B/I	•	•	•	•	•
GKH(18)DA-D6DNA1B/I		•	•	•	•
GKH(20)DA-D6DNA1B/I			•	•	•
CEILING CASSETTE					
System Model no.					
GKH(09)EB-D6DNA1A/I	•	•	•	•	•
GKH(12)EB-D6DNA1A/I	•	•	•	•	•
GKH(18)EB-D6DNA1A/I		•	•	•	•
GKH(20)EB-D6DNA1A/I			•	•	•
SLIM DUCT					
System Model no.					
GFH(09)DA-D6DNA1A/I	•	•	•	•	•
GFH(12)DA-D6DNA1A/I	•	•	•	•	•
GFH(18)DA-D6DNA1A/I		•	•	•	•
GFH(24)DA-D6DNA1A/I			•	•	•
FLOOR/CEILING					
System Model no.					
GTH(09)CA-D6DNA1B/I	•	•	•	•	•
GTH(12)CA-D6DNA1B/I	•	•	•	•	•
GTH(18)CA-D6DNA1B/I		•	•	•	•
GTH(24)CA-D6DNA1B/I			•	•	•
MINI-CONSOLE					
GEH(09)AA-D6DNA1A/I	•	•	•	•	•
GEH(12)AA-D6DNA1A/I	•	•	•	•	•
GEH(18)AA-D6DNA1A/I		•	•	•	•

NOTE: R32 Indoor units are only compatible with R32 Outdoor units. Keep in mind, line set is always sized by the indoor unit valve diameter.

ALLOWABLE COMBINATIONS CAPACITIES

MODEL NUMBER	POSSIBLE COMBINATIONS*	COOLING CAPACITY (Btu/h)					HEATING CAPACITY (Btu/h)				
		ZONE1	ZONE2	ZONE3	ZONE4	ZONE5	ZONE1	ZONE2	ZONE3	ZONE4	ZONE5
GWHD(42)ND6MO	7K+7K+7K	7,000	7,000	7,000			8,000	8,000	8,000		
GWHD(42)ND6MO	7K+7K+7K+7K	7,000	7,000	7,000	7,000		8,000	8,000	8,000	8,000	
GWHD(42)ND6MO	5K+5K+5K+7K	5,000	5,000	5,000	7,000		6,000	6,000	6,000	8,000	
GWHD(42)ND6MO	5K+5K+7K+7K	5,000	5,000	7,000	7,000		6,000	6,000	8,000	8,000	
GWHD(42)ND6MO	5K+7K+7K+7K	5,000	7,000	7,000	7,000		6,000	8,000	8,000	8,000	
GWHD(42)ND6MO	5K+5K+5K+5K+5K	5,000	5,000	5,000	5,000	5,000	6,000	6,000	6,000	6,000	6,000
GWHD(42)ND6MO	7K+7K+7K+7K+7K	7,000	7,000	7,000	7,000	7,000	8,000	8,000	8,000	8,000	8,000
GWHD(42)ND6MO	5K+5K+5K+5K+7K	5,000	5,000	5,000	5,000	7,000	6,000	6,000	6,000	6,000	8,000
GWHD(42)ND6MO	5K+5K+5K+7K+7K	5,000	5,000	5,000	7,000	7,000	6,000	6,000	6,000	8,000	8,000
GWHD(42)ND6MO	5K+5K+7K+7K+7K	5,000	5,000	7,000	7,000	7,000	6,000	6,000	8,000	8,000	8,000
GWHD(42)ND6MO	5K+7K+7K+7K+7K	5,000	7,000	7,000	7,000	7,000	6,000	8,000	8,000	8,000	8,000
GWHD(42)ND6MO	9K+12K	9,000	12,000				9,000	12,000			
GWHD(42)ND6MO	9K+18K	9,000	18,000				9,000	18,000			
GWHD(42)ND6MO	9K+24K	9,000	24,000				9,000	24,000			
GWHD(42)ND6MO	12K+12K	12,000	12,000				12,000	12,000			
GWHD(42)ND6MO	12K+18K	12,000	18,000				12,000	18,000			
GWHD(42)ND6MO	12K+24K	12,000	24,000				12,000	24,000			
GWHD(42)ND6MO	18K+18K	18,000	18,000				18,000	18,000			
GWHD(42)ND6MO	18K+24K	18,000	24,000				18,000	24,000			
GWHD(42)ND6MO	24K+24K	21,000	21,000				21,000	21,000			
GWHD(42)ND6MO	9K+9K+9K	9,000	9,000	9,000			9,000	9,000	9,000		
GWHD(42)ND6MO	9K+9K+12K	9,000	9,000	12,000			9,000	9,000	12,000		
GWHD(42)ND6MO	9K+9K+18K	9,000	9,000	18,000			9,000	9,000	18,000		
GWHD(42)ND6MO	9K+9K+24K	9,000	9,000	24,000			9,000	9,000	24,000		
GWHD(42)ND6MO	9K+12K+12K	9,000	12,000	12,000			9,000	12,000	12,000		
GWHD(42)ND6MO	9K+12K+18K	9,000	12,000	18,000			9,000	12,000	18,000		
GWHD(42)ND6MO	9K+12K+24K	8,400	11,200	22,400			8,400	11,200	22,400		
GWHD(42)ND6MO	9K+18K+18K	8,400	16,800	16,800			8,400	16,800	16,800		
GWHD(42)ND6MO	9K+18K+24K	7,412	14,824	19,765			7,412	14,824	19,765		
GWHD(42)ND6MO	9K+24K+24K	6,632	17,684	17,684			6,632	17,684	17,684		
GWHD(42)ND6MO	12K+12K+12K	12,000	12,000	12,000			12,000	12,000	12,000		
GWHD(42)ND6MO	12K+12K+18K	12,000	12,000	18,000			12,000	12,000	18,000		
GWHD(42)ND6MO	12K+12K+24K	10,500	10,500	21,000			10,500	10,500	21,000		
GWHD(42)ND6MO	12K+18K+18K	10,500	15,750	15,750			10,500	15,750	15,750		
GWHD(42)ND6MO	12K+18K+24K	9,333	14,000	18,667			9,333	14,000	18,667		
GWHD(42)ND6MO	12K+24K+24K	8,400	16,800	16,800			8,400	16,800	16,800		
GWHD(42)ND6MO	18K+18K+18K	14,000	14,000	14,000			14,000	14,000	14,000		
GWHD(42)ND6MO	18K+18K+24K	12,600	12,600	16,800			12,600	12,600	16,800		
GWHD(42)ND6MO	9K+9K+9K+9K	9,000	9,000	9,000	9,000		9,000	9,000	9,000	9,000	
GWHD(42)ND6MO	9K+9K+9K+12K	9,000	9,000	9,000	12,000		9,000	9,000	9,000	12,000	

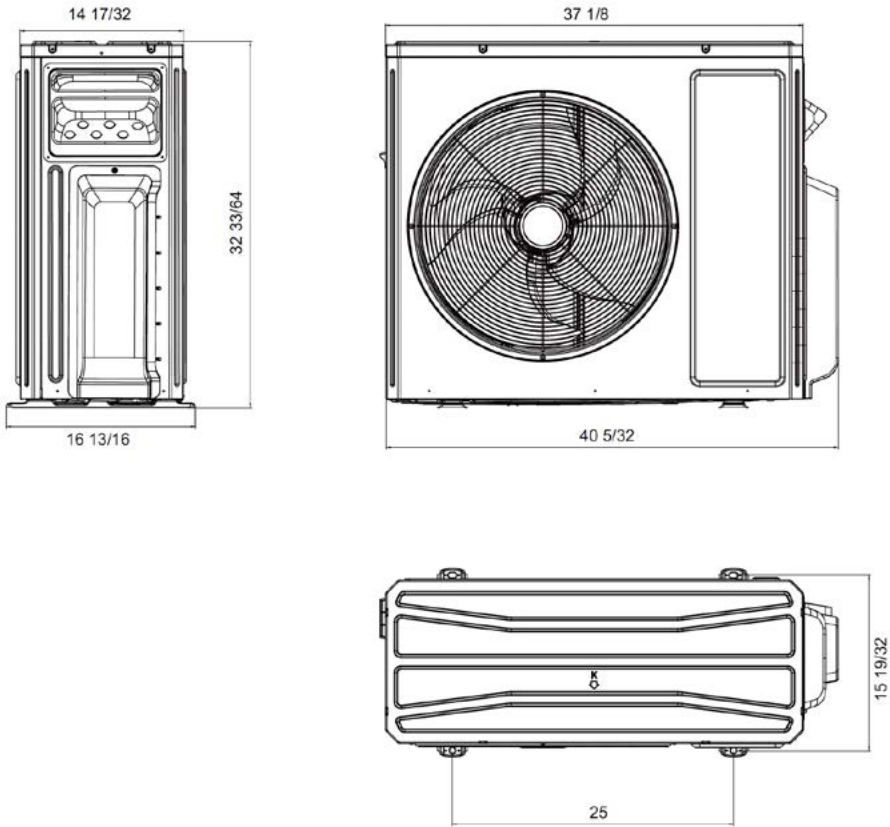
MODEL NUMBER	POSSIBLE COMBINATIONS*	COOLING CAPACITY (Btu/h)					HEATING CAPACITY (Btu/h)				
		ZONE1	ZONE2	ZONE3	ZONE4	ZONE5	ZONE1	ZONE2	ZONE3	ZONE4	ZONE5
GWHD(42)ND6MO	9K+9K+9K+18K	8,400	8,400	8,400	16,800		8,400	8,400	8,400	16,800	
GWHD(42)ND6MO	9K+9K+9K+24K	7,412	7,412	7,412	19,765		7,412	7,412	7,412	19,765	
GWHD(42)ND6MO	9K+9K+12K+12K	9,000	9,000	12,000	12,000		9,000	9,000	12,000	12,000	
GWHD(42)ND6MO	9K+9K+12K+18K	7,875	7,875	10,500	15,750		7,875	7,875	10,500	15,750	
GWHD(42)ND6MO	9K+9K+12K+24K	7,000	7,000	9,333	18,667		7,000	7,000	9,333	18,667	
GWHD(42)ND6MO	9K+9K+18K+18K	7,000	7,000	14,000	14,000		7,000	7,000	14,000	14,000	
GWHD(42)ND6MO	9K+9K+18K+24K	6,300	6,300	12,600	16,800		6,300	6,300	12,600	16,800	
GWHD(42)ND6MO	9K+12K+12K+12K	8,400	11,200	11,200	11,200		8,400	11,200	11,200	11,200	
GWHD(42)ND6MO	9K+12K+12K+18K	7,412	9,882	9,882	14,824		7,412	9,882	9,882	14,824	
GWHD(42)ND6MO	9K+12K+12K+24K	6,632	8,842	8,842	17,684		6,632	8,842	8,842	17,684	
GWHD(42)ND6MO	9K+12K+18K+18K	6,632	8,842	13,263	13,263		6,632	8,842	13,263	13,263	
GWHD(42)ND6MO	9K+12K+18K+24K	6,000	8,000	12,000	16,000		6,000	8,000	12,000	16,000	
GWHD(42)ND6MO	9K+18K+18K+18K	6,000	12,000	12,000	12,000		6,000	12,000	12,000	12,000	
GWHD(42)ND6MO	12K+12K+12K+12K	10,500	10,500	10,500	10,500		10,500	10,500	10,500	10,500	
GWHD(42)ND6MO	12K+12K+12K+18K	9,333	9,333	9,333	14,000		9,333	9,333	9,333	14,000	
GWHD(42)ND6MO	12K+12K+12K+24K	8,400	8,400	8,400	16,800		8,400	8,400	8,400	16,800	
GWHD(42)ND6MO	12K+12K+18K+18K	8,400	8,400	12,600	12,600		8,400	8,400	12,600	12,600	
GWHD(42)ND6MO	9K+9K+9K+9K+9K	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400
GWHD(42)ND6MO	9K+9K+9K+9K+12K	7,875	7,875	7,875	7,875	10,500	7,875	7,875	7,875	7,875	10,500
GWHD(42)ND6MO	9K+9K+9K+9K+18K	7,000	7,000	7,000	7,000	14,000	7,000	7,000	7,000	7,000	14,000
GWHD(42)ND6MO	9K+9K+9K+9K+24K	6,300	6,300	6,300	6,300	16,800	6,300	6,300	6,300	6,300	16,800
GWHD(42)ND6MO	9K+9K+9K+12K+12K	7,412	7,412	7,412	9,882	9,882	7,412	7,412	7,412	9,882	9,882
GWHD(42)ND6MO	9K+9K+9K+12K+18K	6,632	6,632	6,632	8,842	13,263	6,632	6,632	6,632	8,842	13,263
GWHD(42)ND6MO	9K+9K+9K+12K+24K	6,000	6,000	6,000	8,000	16,000	6,000	6,000	6,000	8,000	16,000
GWHD(42)ND6MO	9K+9K+9K+18K+18K	6,000	6,000	6,000	12,000	12,000	6,000	6,000	6,000	12,000	12,000
GWHD(42)ND6MO	9K+9K+12K+12K+12K	7,000	7,000	9,333	9,333	9,333	7,000	7,000	9,333	9,333	9,333
GWHD(42)ND6MO	9K+9K+12K+12K+18K	6,300	6,300	8,400	8,400	12,600	6,300	6,300	8,400	8,400	12,600
GWHD(42)ND6MO	9K+12K+12K+12K+12K	6,632	8,842	8,842	8,842	8,842	6,632	8,842	8,842	8,842	8,842
GWHD(42)ND6MO	9K+12K+12K+12K+18K	6,000	8,000	8,000	8,000	12,000	6,000	8,000	8,000	8,000	12,000
GWHD(42)ND6MO	12K+12K+12K+12K+12K	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400

DIMENSIONS

OUTDOOR UNIT

Unit: inch

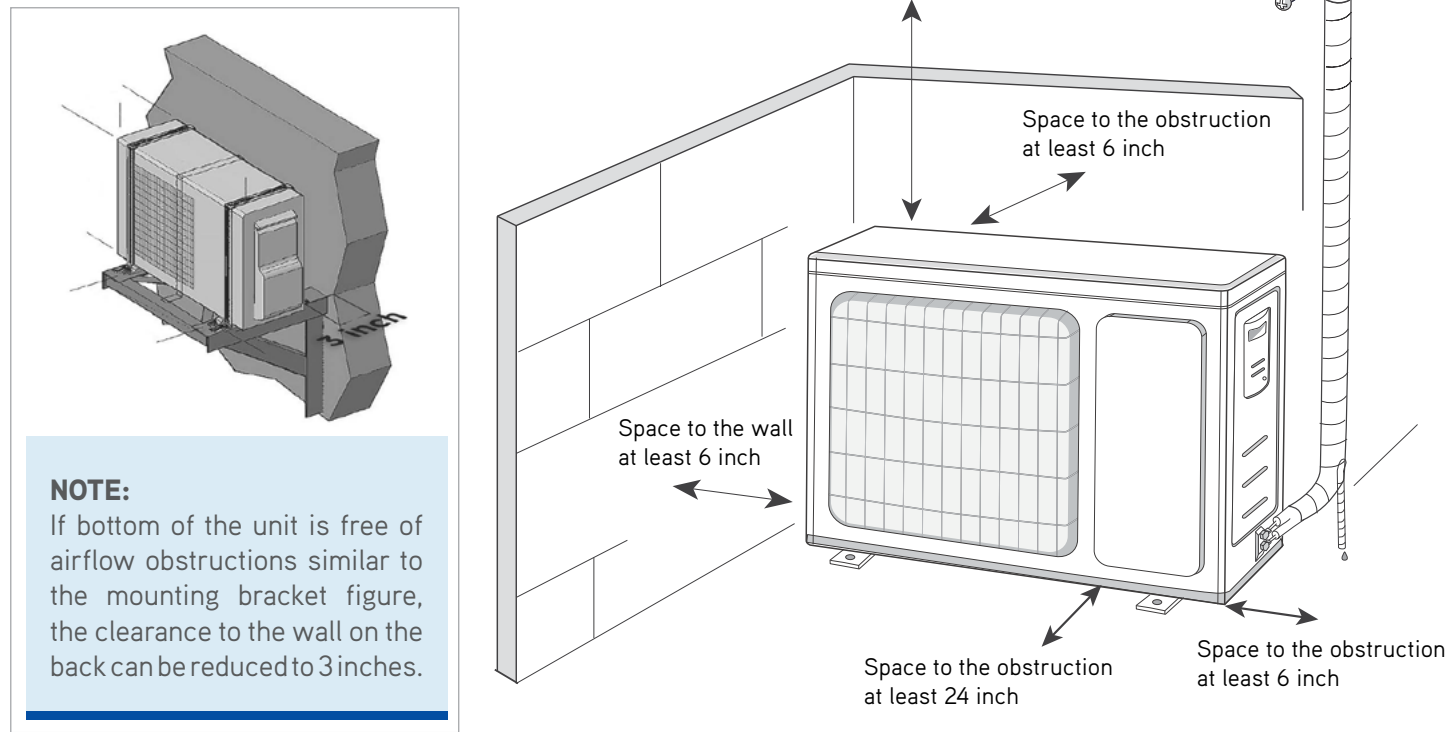
GWHD(42)ND6MO
DIMENSIONS



CLEARANCES

OUTDOOR UNIT

Minimum clearance



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