



SUBMITTAL DATA

Multi Zone 21 Seer 30KBTU

Model: GWHD(30)ND6MO

Job Name

Purchaser

Submitted to

Unit Designation

Location

Date

Engineer

For

Schedule No.



GENERAL FEATURES:

- AHRI Certificate:
214931588: Non-Ducted Indoor Units
214931594: Ducted Indoor Units
214931598: 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(30)ND6MO
Cooling Capacity	Btu/h	28400
Min. Cooling Capacity	Btu/h	8190
Max. Cooling Capacity	Btu/h	34100
Heating Capacity	Btu/h	30000
Min. Heating Capacity	Btu/h	8190
Max. Heating Capacity	Btu/h	40900
EER	(Btu/h)/W	13.64
COP	(Btu/h)/W	14.28
SEER	--	21
HSPF	--	10
Air Flow Volume	CFM	3413
Sound Pressure Level	dB(A)	62
Sound Power Level	dB(A)	73
Rated Voltage	V ~	208/230
Rated Frequency	Hz	60
Phases	--	1
Cross-sectional Area of Power Cable Conductor	sq in	0.008215 (AWG10)
Recommended Power Cable(Core)	N	3
Fuse Current	A	30
Cooling Power Input	kW	2.075
Max. Cooling Power Input	kW	4.6
Heating Power Input	kW	2.1
Max. Heating Power Input	kW	5000
Cooling Current Input	A	9
Heating Current Input	A	9.13
Rated Current	A	20/21.73
Starting Current	A	5
Max. Over Current Protection	A	35
Min. Current (MCA)	A	23
Compressor Manufacturer	-	LANDA COMPRESSOR
Compressor Model	-	QXFS-B238zX070
Compressor Type	-	Inverter Rotary
Compressor Capacity	W	8412
Compressor Power Input	W	2047
Compressor RLA	A	13.5
Compressor Thermal Protector	-	KSD115°CHPC115/95U1
Compressor Refrigerant Oil Type	-	FW68DA or equivalent
Compressor Refrigerant Oil Charge Volume	L	0.5
Chassis Electrical Heater Power Input	W	96
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.	145.5
Gross Weight	lb.	161

Product Model		GWHD(30)ND6MO
Condenser Material	-	Aluminum Fin-copper Tube
Condenser Face Area	Sq ft	9.04
Condenser Number of Rows	-	2
Condenser Fins per Inch(FPI)	-	18
Condenser Number of Circuits	-	5in-5out
Condenser Max. Allowable Pressure	P.S.I.G	10
Permissible Excessive Operating Pressure for the Discharge Side	P.S.I.G	4.3
Permissible Excessive Operating Pressure for the Suction Side	P.S.I.G	2.5
Maximum Allowable Pressure	P.S.I.G	4.9
Cooling Operation Ambient Temperature Range	°F	-22~118
Heating Operation Ambient Temperature Range	°F	-22~75.2
Maximum drive IDU NO.	unit	4
Defrosting Method	-	Automatic Defrosting
Refrigerant	--	R32
Factory Refrigerant Charge	oz	77.616
GWP		675
Metering Device	-	Electric expansion valve
Connection Pipe Connection Method	-	Flare Connection
Not Additional Gas Connection Pipe Length	ft	131.23
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	82.02
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(30)ND6MO	5K+5K+5K	5,000	5,000	5,000			6,000	6,000	6,000		
GWHD(30)ND6MO	7K+7K+7K	7,000	7,000	7,000			8,000	8,000	8,000		
GWHD(30)ND6MO	5K+5K+7K	5,000	5,000	6,000			6,000	6,000	8,000		
GWHD(30)ND6MO	5K+7K+7K	5,000	7,000	7,000			6,000	8,000	8,000		
GWHD(30)ND6MO	5K+5K+5K+5K	5,000	5,000	5,000	5,000		6,000	6,000	6,000	6,000	
GWHD(30)ND6MO	7K+7K+7K+7K	7,000	7,000	7,000	7,000		8,000	8,000	8,000	8,000	
GWHD(30)ND6MO	5K+5K+5K+7K	5,000	5,000	5,000	7,000		6,000	6,000	6,000	8,000	
GWHD(30)ND6MO	5K+5K+7K+7K	5,000	5,000	7,000	7,000		6,000	6,000	8,000	8,000	
GWHD(30)ND6MO	5K+7K+7K+7K	5,000	7,000	7,000	7,000		6,000	8,000	8,000	8,000	
GWHD(30)ND6MO	9K+9K	9,000	9,000				9,000	9,000			
GWHD(30)ND6MO	9K+12K	9,000	12,000				9,000	12,000			
GWHD(30)ND6MO	9K+18K	9,000	18,000				9,000	18,000			
GWHD(30)ND6MO	9K+24K	7,745	20,655				8,182	21,818			
GWHD(30)ND6MO	12K+12K	12,000	12,000				12,000	12,000			
GWHD(30)ND6MO	12K+18K	11,360	17,040				12,000	18,000			
GWHD(30)ND6MO	12K+24K	9,467	18,933				10,000	20,000			
GWHD(30)ND6MO	18K+18K	14,200	14,200				15,000	15,000			
GWHD(30)ND6MO	18K+24K	12,171	16,229				12,857	17,143			
GWHD(30)ND6MO	9K+9K+9K	9,000	9,000	9,000			9,000	9,000	9,000		
GWHD(30)ND6MO	9K+9K+12K	8,520	8,520	11,360			9,000	9,000	12,000		
GWHD(30)ND6MO	9K+9K+18K	7,100	7,100	14,200			7,500	7,500	15,000		
GWHD(30)ND6MO	9K+9K+24K	6,086	6,086	16,229			6,429	6,429	17,143		
GWHD(30)ND6MO	9K+12K+12K	7,745	10,327	10,327			8,182	10,909	10,909		
GWHD(30)ND6MO	9K+12K+18K	6,554	8,738	13,108			6,923	9,231	13,846		
GWHD(30)ND6MO	9K+12K+24K	5,680	7,573	15,147			6,000	8,000	16,000		
GWHD(30)ND6MO	9K+18K+18K	5,680	11,360	11,360			6,000	12,000	12,000		
GWHD(30)ND6MO	12K+12K+12K	9,467	9,467	9,467			10,000	10,000	10,000		
GWHD(30)ND6MO	12K+12K+18K	8,114	8,114	12,171			8,571	8,571	12,857		
GWHD(30)ND6MO	9K+9K+9K+9K	7,100	7,100	7,100	7,100		7,500	7,500	7,500	7,500	
GWHD(30)ND6MO	9K+9K+9K+12K	6,554	6,554	6,554	8,738		6,923	6,923	6,923	9,231	
GWHD(30)ND6MO	9K+9K+9K+18K	5,680	5,680	5,680	11,360		6,000	6,000	6,000	12,000	
GWHD(30)ND6MO	9K+9K+12K+12K	6,086	6,086	8,114	8,114		6,429	6,429	8,571	8,571	
GWHD(30)ND6MO	9K+12K+12K+12K	5,680	7,573	7,573	7,573		6,000	8,000	8,000	8,000	

Outdoor Unit & Possible Indoor Unit Combinations with AHRI Certified Performance

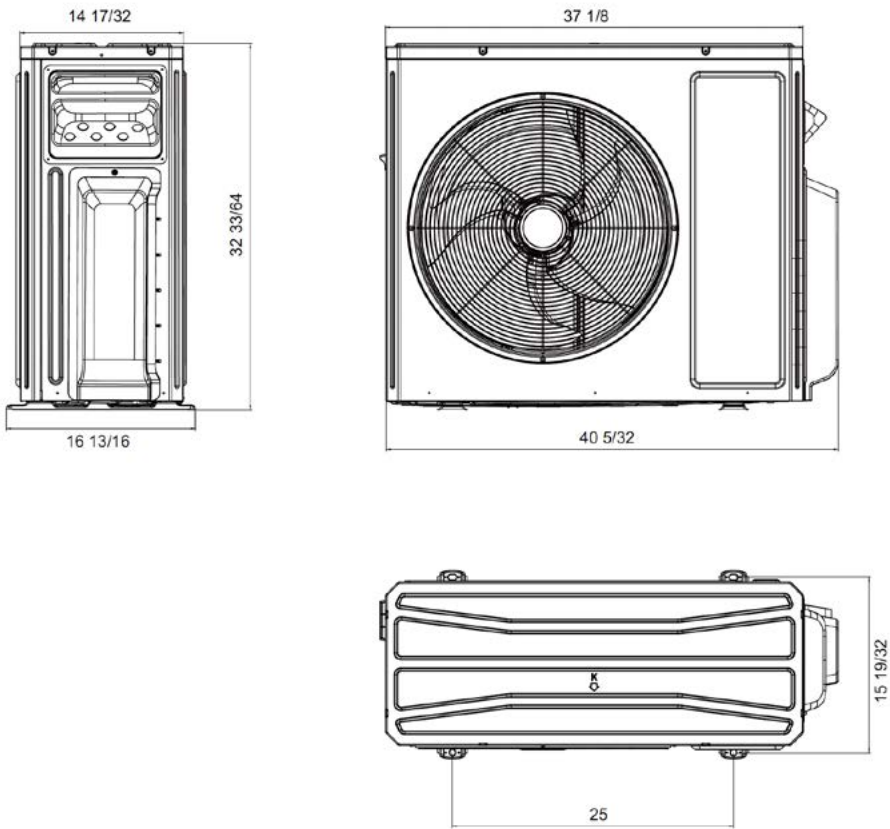
*You may substitute the 9K unit with a 5K or 7K High Wall unit, find complete capacity information in the extended ratings chart.

DIMENSIONS

OUTDOOR UNIT

Unit: inch

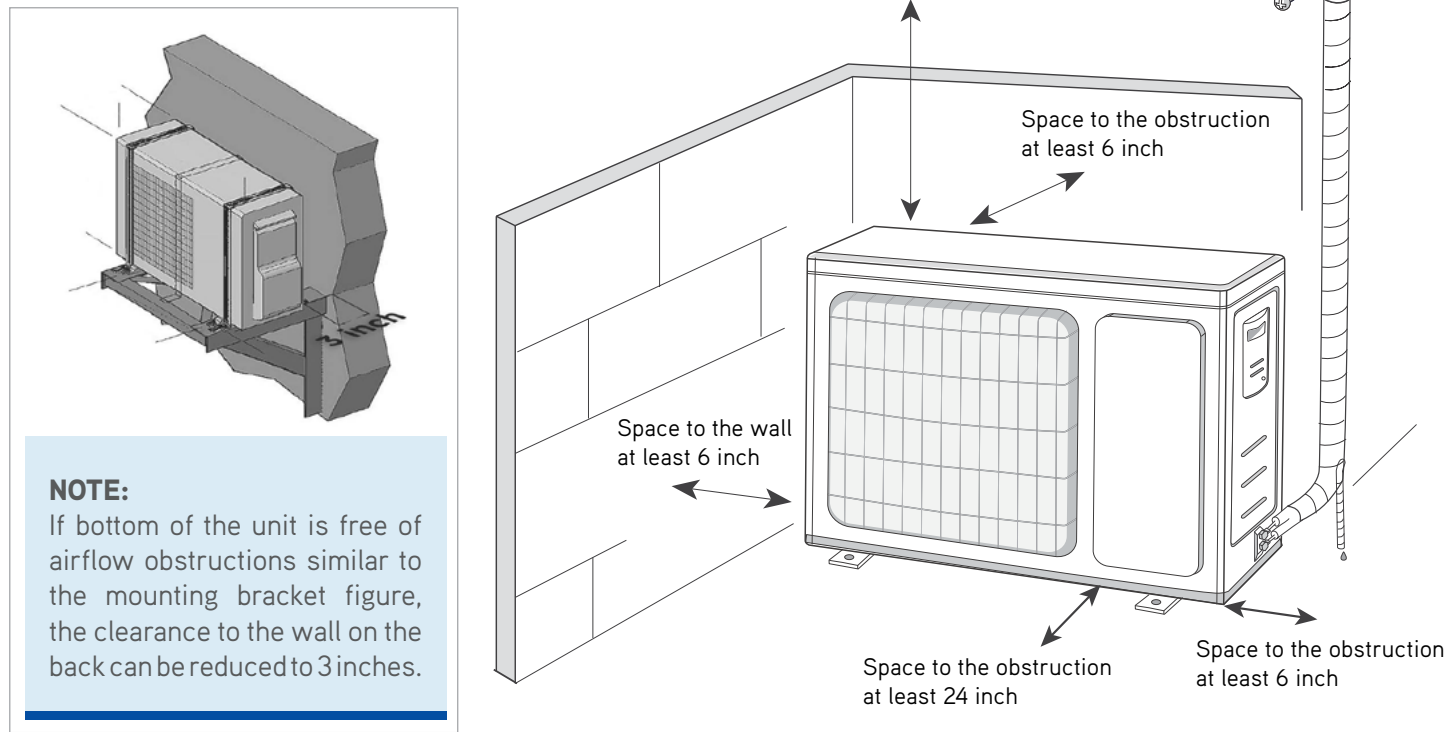
GWHD(30)ND6MO
DIMENSIONS



CLEARANCES

OUTDOOR UNIT

Minimum clearance



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