

R Series

SUBMITTAL DATA SHEET

DHR24NDB21S/DHR24CSB21S			24,000 BTU/H Heat Pump Single Zone with Ducted Unit (208/230V)		
Job Name:			Location:		
Purchaser:			Order No.:		
Engineer:					
Submitted To:		For:	Ref:	Approval:	
Submitted By:		Date:			
Unit Designation:			Schedule No.:		Model No.:



DHR24NDB21S



DHR24CSB21S



DCCRMW
(Optional)



DWCR2
(Optional)



DWCR
(Standard)

FEATURES

- Multi-Speed Fan
- Simple Wired Controller DWCR
- Power Failure Recovery LCD Display
- Wall or Ceiling mount
- 4 Way Airflow Swing Operation
- Medium Static Pressure Capabilities
- Bottom or Rear Return

ACCESSORIES

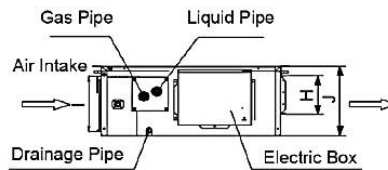
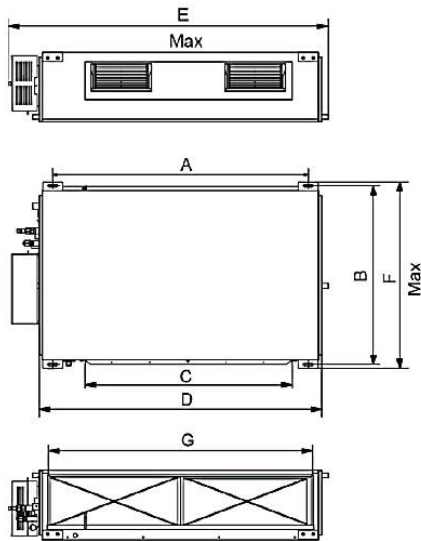
- Advanced Wired Controller DWCR2
- Central Controller DCCRMW

System Rating		
System Type		Heat Pump
Rated Cooling Capacity	Btu/h	23,800
Cooling Capacity (Min-Max)	Btu/h	8,200-29,000
Rated Heating Capacity	Btu/h	27,200
Heating Capacity (Min-Max)	Btu/h	8,200-32,400
EER (Btu/h)/W		10.65
SEER		16
HSPF		10
Rated Voltage (IDU&ODU Require separate power source)	V-PH-Hz	208/230-1-60
Rated Cooling Current	Amps	19.4
Rated Heating Current	Amps	20.5
MCA/MOCP (Outdoor unit)	Amps	24/40
MCA/MOCP (Indoor unit)	Amps	2 / 15
Max. Total Piping Length	ft. (m)	164 (50)
Max. Piping Height	ft. (m)	49.2 (15)
Piping Connection Diameter - Liquid (O.D.)	in.	3/8
Piping Connection Diameter - Gas (O.D.)	in.	5/8
Outdoor Model Number		DHR24CSB21S
Operation Range - Cooling	F (C)	0-118 (-18 - 48)
Operation Range - Heating	F (C)	0-75 (-18 - 24)
Refrigerant		R410A
Refrigerant Charge	oz (kg)	77.60 (2.2)
Unit Dimension (WxHxD)	in. (mm)	8.58x31.10x16.73 (980x790x425)
Net / Gross Weight	lbs (kg)	152.11/163.14 (69/74)
Sound Pressure Level	dB(A)	57
Indoor Model Number		DHR24NDB21S
System Type		Heat Pump
Rated Cooling Capacity	Btu/h	23,800
Cooling Capacity (Min-Max)	Btu/h	8,200-29,000
Rated Heating Capacity	Btu/h	27,200
Heating Capacity (Min-Max)	Btu/h	8,200-32,400
Rated Voltage	V-PH-Hz	208/230-1-60
Airflow High to Low	CFM	826/767/708/531
Sound Pressure Level High to Low	dB(A)	47/46/44/40
Unit Dimension (WxHxD)	in.(mm)	50.39x22.04x10.62 (1280x560x270)
Net / Gross Weight	lbs (kg)	74.95/85.98 (34/39)
Set Temperature Range	F (C)	61 - 86 (16-30)
External Static Pressure	(in w.g)	0-0.3
Piping Connection Diameter - Drain	(OD) in.	1

DHR24NDB21S/DHR24CSB21S

Unit: inch

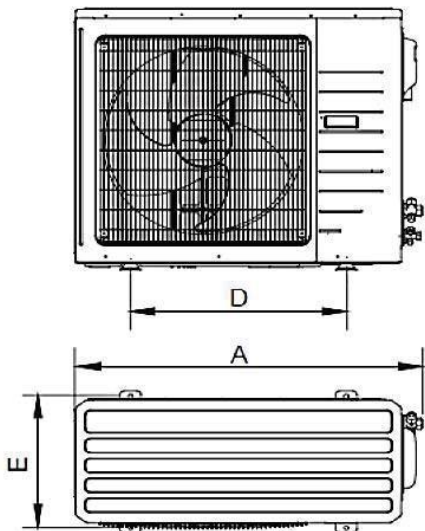
Indoor Unit Dimensions



Dimensions	
A	43 3/8
B	20 3/8
C	32 1/4
D	45 5/8
E	50 3/8
F	22
G	39 1/2
H	6 1/4
I	9 1/4
J	10 1/2

Outdoor Unit Dimensions

Unit: inch



Dimensions	
A	38 5/8
B	16 3/4
C	31 1/8
D	24
E	15 1/2

Notes:

1. Recommended Cable Type, connecting the indoor and outdoor unit, 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes
3. Test conditions are based on AHRI 210/240

