

SUBMITTAL DATA SHEET

DHR48NDB21S/DHR48CSB21S 48,000 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.:



DHR48NDB21S



DHR48CSB21S



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

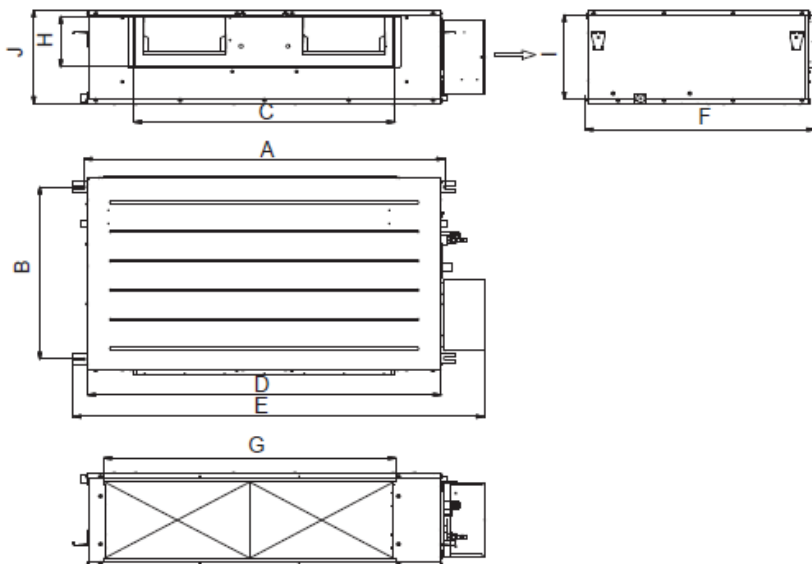
- Advanced Wired Controller DWCR2
- Central Controller DCCRMW

System Rating		
System Type		Heat Pump
Rated Cooling Capacity	Btu/h	48,000
Cooling Capacity (Min-Max)	Btu/h	20,400-50,500
Rated Heating Capacity	Btu/h	54,500
Heating Capacity (Min-Max)	Btu/h	17,500-61,500
EER (Btu/h)/W		9.3
SEER		16
HSPF		9
Rated Voltage (IDU&ODU Require separate power source)	V-PH-Hz	208/230-1-60
Rated Cooling Current	Amps	34.3
Rated Heating Current	Amps	33.3
MCA/MOCP (Outdoor unit)	Amps	45/70
MCA/MOCP (Indoor unit)	Amps	5/15
Max. Total Piping Length	ft. (m)	229.7 (70)
Max. Total 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		DHR48CSB21S
Operation Range - Cooling	F (C)	0-118 (-18-48)
Operation Range - Heating	F (C)	0-75 (-18-24)
Refrigerant		R410A
Refrigerant Charge	oz (kg)	141.09 (4)
Unit Dimension (WxHxD)	in. (mm)	37.79 x 53.1416.14(960x1350x410)
Net / Gross Weight	lbs (kg)	231.48/253.53 (105/115)
Sound Pressure Level	dB(A)	59
Indoor Model Number		DHR48NDB21S
System Type		Heat Pump
Rated Cooling Capacity	Btu/h	48,000
Cooling Capacity (Min-Max)	Btu/h	20,400-49,500
Rated Heating Capacity	Btu/h	54,500
Heating Capacity (Min-Max)	Btu/h	17,500-58,000
Rated Voltage	V-PH-Hz	208/230-1-60
Airflow High to Low	CFM	1475/1357/1210/944
Sound Pressure Level High to Low	dB(A)	53/51/46/41
Unit Dimension (WxDxH)	in. (mm)	52.75 x 29.52 x 13.77(1340x750x350)
Net / Gross Weight	lbs (kg)	123.45/154.32 (56/70)
Set Temperature Range	F (C)	61 ~ 86 (16~30)
External Static Pressure	(in w.g)	0 ~ 0.5
Piping Connection Diameter - Drain	(OD) in.	1

DHR48NDB21S/DHR48CSB21S

Unit: inch

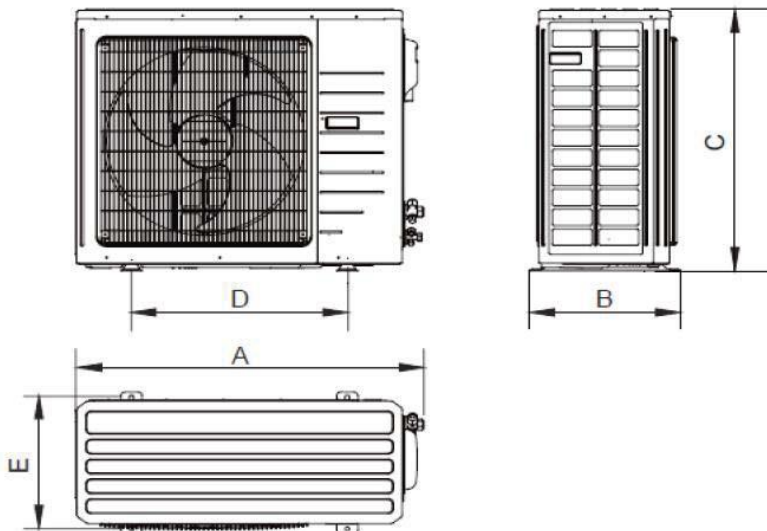
Indoor Unit Dimensions



Dimensions	
A	46 3/8
B	25 3/8
C	33 1/2
D	45 1/4
E	52 3/4
F	29 1/2
G	37 1/2
H	7 1/2
I	12 1/2
J	13 3/4

Outdoor Unit Dimensions

Unit: inch



Dimensions	
A	37 3/4
B	16 1/4
C	53 1/8
D	22 1/2
E	14 3/4

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

