

R Series

# SUBMITTAL DATA SHEET

|                                |  |             |  |                  |                   |
|--------------------------------|--|-------------|--|------------------|-------------------|
| <b>DHR42NKB21S/DHR42CSB21S</b> |  |             | <b>42,000 BTU/H Heat Pump Single Zone with 4-Way Cassette (208/230V)</b> |                  |                   |
| <b>Job Name:</b>               |  |             | <b>Location:</b>   |                  |                   |
| <b>Purchaser:</b>              |  |             | <b>Order No.:</b>  |                  |                   |
| <b>Engineer:</b>               |  |             |  |                  |                   |
| <b>Submitted To:</b>           |  | <b>For:</b> | <b>Ref:</b>  | <b>Approval:</b> |                   |
| <b>Submitted By:</b>           |  |             |  | <b>Date:</b>     |                   |
| <b>Unit Designation:</b>       |  |             | <b>Schedule No.:</b>   |                  | <b>Model No.:</b> |



**DHR42NKB21S**



**DHR42CSB21S**



**DCCR**    **DCCRMW**  
(Standard) (Optional)

**DWCR2**    **DWCR**  
(Optional) (Optional)

## FEATURES

- Multi-Speed Fan
- Wireless Remote controller with LCD Display
- Power Failure Recovery LCD Display
- Wall or Ceiling mount
- Sentry Condensate Overflow Protection
- Internal Condensate Drain Pump
- 4-Way Discharge Air

## ACCESSORIES

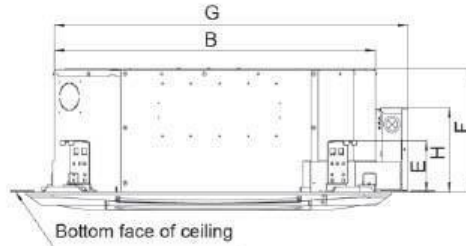
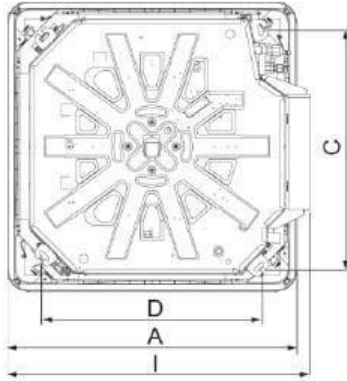
- Simple Wired Controller DWCR
- Advanced Wired Controller DWCR2
- Central Controller DCCRMW

| System Rating                       |          |                                    |
|-------------------------------------|----------|------------------------------------|
| System Type                         |          | Heat Pump                          |
| Rated Cooling Capacity              | Btu/h    | 39,500                             |
| Cooling Capacity (Mn-Max)           | Btu/h    | 11,000-41,000                      |
| Rated Heating Capacity              | Btu/h    | 44,000                             |
| Heating Capacity (Mn-Max)           | Btu/h    | 12,000-51,000                      |
| EER (Btu/h)W                        |          | 8.95                               |
| SEER                                |          | 16                                 |
| HSPF                                |          | 9                                  |
| Rated Voltage (IDU&ODU Require)     | V-Ph-Hz  | 208/230-1-60                       |
| Rated Cooling Current               | Amps     | 34.3                               |
| Rated Heating Current               | Amps     | 33.3                               |
| MCA I MOCP (Outdoor unit)           | Amps     | 31 I 50                            |
| MCA I MOCP (Indoor unit)            | Amps     | 1.5 I 15                           |
| Max. Total Piping Length            | ft. (m)  | 164 (50)                           |
| Max. Piping Height                  | ft. (m)  | 49.2 (15)                          |
| Piping Connection Diameter - Liquid | in.      | 3/8                                |
| Piping Connection Diameter - Gas    | in.      | 5/8                                |
| <b>Outdoor Model Number</b>         |          | <b>DHR42CSB21S</b>                 |
| Operation Range - Cooling           | F (C)    | 0-118 (-18-48)                     |
| Operation Range - Heating           | F (C)    | 0-75 (-18-24)                      |
| Refrigerant                         |          | R410A                              |
| Refrigerant Charge                  | oz (kg)  | 130.51 (3.7)                       |
| Unit Dimension (WxHxD)              | in. (mm) | 37.79 x 53.14x16.14 (960x1350x410) |
| Net / Gross Weight                  | lbs (kg) | 209.43/231.48 (95/105)             |
| Sound Pressure Level                | dB(A)    | 61                                 |
| <b>Indoor Model Number</b>          |          | <b>DHR42NKB21S</b>                 |
| System Type                         |          | Heat Pump                          |
| Rated Cooling Capacity              | Btu/h    | 39,500                             |
| Cooling Capacity (Mn-Max)           | Btu/h    | 11,000-41,000                      |
| Rated Heating Capacity              | Btu/h    | 44,000                             |
| Heating Capacity (Mn-Max)           | Btu/h    | 12,000-51,000                      |
| Rated Voltage                       | V-PH-Hz  | 208/230-1-60                       |
| Airflow High to Low                 | CFM      | 1097/1033/915/797                  |
| Sound Pressure Level High to Low    | dB(A)    | 53/52/47/41                        |
| Unit Dimension (WxDxH)              | in.(mm)  | 36.02 x 33.07x 12.59 (915x840x320) |
| Net / Gross Weight                  | lbs (kg) | 70.54/110.23 (32/45)               |
| Panel Part number                   |          | PNLR05                             |
| Panel Dimension (WxHxD)             | in.(mm)  | 37.48 x 37.48 x 2.36 (952x952x60)  |
| Panel Net Weight                    | lbs (kg) | 18 (8.5)                           |
| Panel Gross Weight                  | lbs (kg) | 27 (12)                            |
| Set Temperature Range               | F        | 61 - 86 (16-30)                    |
| Piping Connection Diameter - Drain  | (OD) in. | 1                                  |

DHR42NKB21S/DHR42CSB21S

Unit: inch

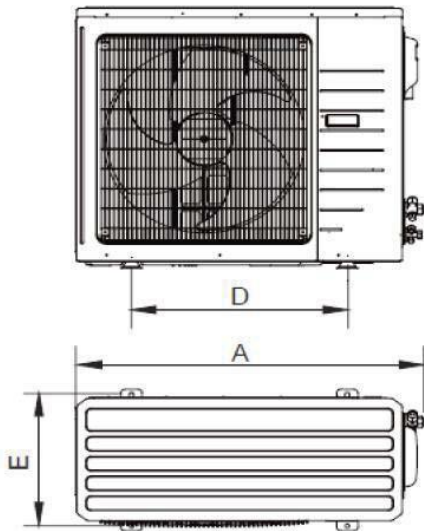
Indoor Unit Dimensions



| Dimensions |        |
|------------|--------|
| A          | 37 3/8 |
| B          | 33 1/8 |
| C          | 30 3/4 |
| D          | 26 3/4 |
| E          | 6 1/4  |
| F          | 12 5/8 |
| G          | 36 1/8 |
| H          | 8 1/2  |
| I          | 39 1/8 |

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

