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#### TO KNOW US IS TO TRUST US

Hello. We are Midea, the world's leading manufacturer of air conditioners, heat pumps, and home appliances.

Just getting to know us? Midea is a publicly listed Fortune Global 500 company with over 100,000 employees, 21 production facilities worldwide, and 260 logistics centers.

We are present in more than 200 countries, with a U.S. operation that has been bringing user-friendly solutions to millions of consumers and businesses for over five years.

Those who know us trust our ongoing commitment to technological innovation and consumer-driven product development. We are forever focused on the constant improvement of our offerings and also providing the best service possible. The 40+ design awards we win annually from respected global design shows are further testament to our quest to develop unique products that are a joy to use.

Ductless systems, or "mini-splits," are a convenient, economical and energy-efficient air conditioning and heating solution that can be used in one room or easily expanded to multiple rooms.

#### DUCTLESS MEANS WHAT IT SOUNDS LIKE, NO DUCTS NEEDED.

Installing or expanding an HVAC system might not always be the best solution for your changing heating and cooling needs. With a ductless system you only need to run small refrigerant linesets from an outdoor unit directly to the indoor unit in rooms you want to heat or cool. Installation is faster, requires less labor and is less disruptive to a home or business.

Ductless systems can also help you avoid costly energy loss by shortening the distance the air has to travel while at the same time giving you more control over the comfort level of your spaces. By setting up and controlling individual zones, homeowners can save money by only heating or cooling rooms that are occupied. With highly efficient Inverter systems and the condenser stationed outside, ductless systems are also a quiet solution.

Midea Ductless Systems can be an energy-saving solution for a variety of applications that help customers regain control of their space, including, but not limited to:

- New construction and renovations
- Homes and businesses
- Single or multi-family
- Primary living areas
- Rooms that are often too hot or too cold
- Basements, attics, garages, additions



#### **PERFORMANCE**



**Easy Installation and Use** — A simple and intuitive remote allows users to easily control their unit(s). For installation, an innovative bracket holds the wall unit in place, allowing for easy connection to the refrigeration unit. And for multi-zone installs, there's no need for a branch box, which saves installation effort and costs.



**Broad Temperature Range** — Our models provide low temperature heating to a frigid -22° F, with up to 89% of rated capacity at -13° F, and cooling even when temperatures reach as high as 122° F.

#### **EFFICIENCY**



**Low Energy Use** — With SEER ratings of 40.0 on our highest tier offering, we have one of the highest efficiency ratings in the world.



**ENERGY STAR® Certification** — Full Inverter technology in the high tier and mid-tier series not only allows for quieter operation, but also delivers industry-leading efficiency. In fact, 70% of our Advantage Series models are ENERGY STAR® certified.



**Washable Filters** — Our filters are specifically manufactured for cleaner air quality and reduced allergens. The filtration systems also allow for easy cleaning and replacing.

### #



#### World's No. 1 Airtreatment Brand

**Source:** Euromonitor International Limited; per Air Treatment category definition, Consumer Appliances 17ed, retail volume sales in units, 2016 data.

#### **INNOVATION**



**Inverter Technology** — Unlike traditional compressors that turn on and off multiple times, Midea Inverter compressors feature variable power that automatically adjusts the running speed to maintain the desired temperature. That way, a Midea unit runs quietly and features significant energy savings.



**Wi-Fi® Enablement** — Easy connectivity with an intuitive app allows users to control and monitor our systems across all tiers, from a handheld device, anytime, anywhere.



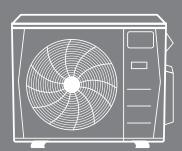
**Flexible Options** — We offer several types of indoor unit styles to fit all customer needs and situations. And our versatile outdoor options allow users the ability to leverage just one outdoor unit across up to five indoor units at a time.



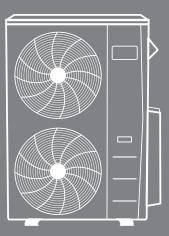


Midea Ductless Systems provide an efficient, flexible and customizable heating and cooling solution for a single area of a home or business, or a multi-zone solution to individually manage several different zones using one integrated system of indoor and outdoor units.





**Single zone systems** provide comfort for areas with as little as 350 and as much as 3,000 square feet — either small offices or bedrooms, or big living and cooking areas.



Multi-zone systems can connect as many as five indoor units with a single outdoor unit — with comfort all around the house or application, using individual controls for zoning and energy savings.



|                     | SINGLE ZONE RESIDENTIAL   | MULTI-ZONE   | SINGLE ZONE LIGHT COMMERCIAL                                      |
|---------------------|---|--|---|
| MAX SERIES          | DLCPRA Outdoor Unit<br>DLFPHA High Wall<br>Up to 40.0 SEER<br>Sizes: 09 / 12                  |  |   |
|                     | DLCSRA Outdoor Unit Up to 24.7 SEER Sizes: 09 / 12 / 18 / 24 / 30 / 36                        | DLCMRA Outdoor Unit Up to 21.4 SEER Sizes: 18 / 27 / 36 / 48 | DLCLRA Outdoor Unit Up to 18.0 SEER Sizes: 36 / 48 / 58           |
| ADVANTAGE<br>SERIES | DLFSHA High Wall Sizes: 09 / 12 / 18 / 24 / 30 / 36  DLFSCA Cassette Sizes: 09 / 12 / 18 / 24 |  | DLFLCA Cassette Sizes: 36 / 48  DLFLDA Ducted Sizes: 36 / 48 / 58 |
|                     | DLFSDA Ducted<br>Sizes: 09 / 12 / 18 / 24   |  | DLFLFA Console<br>Sizes: 36 / 48 / 58                             |
|                     | DLFSFA Console<br>Sizes: 12 / 18 / 24   |  |   |
| STANDARD<br>SERIES  | DLCERA Outdoor Unit<br>DLFEHA High Wall<br>Up to 17.6 SEER                                    |  |   |

Introducing our full lineup of ductless systems now with multiple tiers of offerings.

From extremely efficient high tier offerings (our Max Series), to diverse mid-tier offerings (our Advanced Series), to flexible entry tier offerings (our Standard Series), Midea has the products you need to meet any customer need or challenge.

| SYSTEM              | SIZES                              | SEER            | HSPF            | PAGE  |
|---------------------|------------------------------------|-----------------|-----------------|-------|
|                     | SINGLE ZONE RESID                  |                 |                 |       |
| DLCPRA Outdoor Unit | Sizes: 09 / 12                     | Up to 40.0 SEER | Up to 14.5 HSPF | 15-16 |
| DLFPHA High Wall    | Sizes: 09 / 12                     |                 |                 | 17-18 |
| DLCSRA Outdoor Unit | Sizes: 09 / 12 / 18 / 24 / 30 / 36 | Up to 24.7 SEER | Up to 11.0 HSPF | 19-22 |
| DLFSHA High Wall    | Sizes: 09 / 12 / 18 / 24 / 30 / 36 |                 |                 | 23-24 |
| DLFSCA Cassette     | Sizes: 09 / 12 / 18 / 24           |                 |                 | 25-26 |
| DLFSDA Ducted       | Sizes: 09 / 12 / 18 / 24           |                 |                 | 27-28 |
| DLFSFA Console      | Sizes: 12 / 18 / 24                |                 |                 | 29-30 |
| DLCERA Outdoor Unit | Sizes: 09 / 12 / 18 / 24           | Up to 17.6 SEER | Up to 10.6 HSPF | 33-36 |
| DLFEHA High Wall    | Sizes: 09 / 12 / 18 / 24           |                 |                 | 37-40 |
|                     | MULTI-ZONE                         |                 |                 |       |
| DLCMRA Outdoor Unit | Sizes: 18 / 27 / 36 / 48           | Up to 21.4 SEER | Up to 10.8 HSPF | 45-48 |
|                     | SINGLE ZONE LIGHT CO               | MMERCIAL        |                 |       |
| DLCLRA Outdoor Unit | Sizes: 36 / 48 / 58                | Up to 18.0 SEER | Up to 10.5 HSPF | 51-54 |
| DLFLCA Cassette     | Sizes: 36 / 48                     |                 |                 | 55-56 |
| DLFLDA Ducted       | Sizes: 36 / 48 / 58                |                 |                 | 57-58 |
| DLFLFA Console      | Sizes: 36 / 48 / 58                |                 |                 | 59-60 |

## SINGLE ZONE RESIDENTIAL





DLCPRA Outdoor Unit DLFPHA High Wall Up to 40.0 SEER Sizes: 09 / 12



**DLCSRA Outdoor Unit**Up to 24.7 SEER
Sizes: 09 / 12 / 18 / 24 / 30 / 36



**DLFSHA High Wall**Sizes: 09 / 12 / 18 / 24 / 30 / 36



DLFSCA Cassette Sizes: 09 / 12 / 18 / 24



DLFSDA Ducted Sizes: 09 / 12 / 18 / 24





DLFSFA Console Sizes: 12 / 18 / 24





**DLCERA Outdoor Unit DLFEHA High Wall**Up to 17.6 SEER

#### DLCPRA OUTDOOR UNIT



#### **OUTDOOR FEATURES**

- 100% Heating capacity at 0° F (-17° C)
- 100% Cooling capacity at -22° F (-30° C) without additional kit
- Up to 75% of Heating capacity at -22° F (-30° C)
- Available in 208/230V
- Built-in basepan heater
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 55 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 98 ft. (30 m.)
- Cooling operating range
   -22° ~ 122° F (-30° ~ 50° C)
- Heating operating range
   -22° ~ 86° F (-25° ~ 30° C)

#### **COMPATIBLE WITH:**

• DLFPHA High Wall

(p 17)

# A Versatile Outdoor Unit for Precise Temperature Control

#### **Heat Pump with Basepan Heater**

Inverter Compressor Up to 40.0 SEER Up to 14.5 HSPF

Sizes: 09 / 12

All Systems are ENERGY STAR® certified



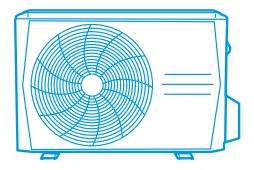
#### **KEY FEATURES**

#### **Extra Low Temperature Heating**

When it's cold outside, the heat output for this system is up to 75% of rated capacity down to -22° F (-30° C), making this a primary heat source and eliminating the need for a backup heat source.

#### **Stepless Frequency Adjustment**

Precise control maintains stable and constant room temperature while reducing sound level and saving energy.



| DLCPRA Outdoor Unit               |           |                  |                  |  |  |  |  |
|-----------------------------------|-----------|------------------|------------------|--|--|--|--|
| Heat Pump                         |           |                  |                  |  |  |  |  |
| System                            |           |                  |                  |  |  |  |  |
| Size 9 12                         |           |                  |                  |  |  |  |  |
| Outdoor Model                     |           | DLCPRAH09AAK     | DLCPRAH12AAK     |  |  |  |  |
|                                   | Ele       | ectrical         |                  |  |  |  |  |
| Voltage-Phase-<br>Cycle           | V-Ph-Hz   | 208/230-1-60     | 208/230-1-60     |  |  |  |  |
| MCA                               | A.        | 13               | 15               |  |  |  |  |
| MOCP - Fuse<br>Rating             | A.        | 15               | 20               |  |  |  |  |
|                                   | Opera     | ting Range       |                  |  |  |  |  |
| Cooling Outdoor<br>DB Min - Max   | ° F (° C) | -22~122 (-30~50) | -22~122 (-30~50) |  |  |  |  |
| Heating Outdoor<br>DB Min - Max   | ° F (° C) | -22~86 (-30~30)  | -22~86 (-30~30)  |  |  |  |  |
|                                   | F         | Piping           |                  |  |  |  |  |
| Total Piping<br>Length            | ft (m)    | 98 (30)          | 98 (30)          |  |  |  |  |
| Piping Lift*                      | ft (m)    | 49 (15)          | 49 (15)          |  |  |  |  |
| Pipe Connection<br>Size - Liquid  | in (mm)   | 1/4 (6.35)       | 1/4 (6.35)       |  |  |  |  |
| Pipe Connection<br>Size - Suction | in (mm)   | 3/8 (9.52)       | 1/2 (12.7)       |  |  |  |  |
|                                   | Ref       | rigerant         |                  |  |  |  |  |
| Туре                              |           | R410A            | R410A            |  |  |  |  |
| Charge                            | lbs (kg)  | 3.5 (1.58)       | 3.5 (1.58)       |  |  |  |  |
| Outdoor                           |           |                  |                  |  |  |  |  |
| Unit Width                        | in (mm)   | 33.27 (845)      | 33.27 (845)      |  |  |  |  |
| Unit Height                       | in (mm)   | 27.64 (702)      | 27.64 (702)      |  |  |  |  |
| Unit Depth                        | in (mm)   | 14.29 (363)      | 14.29 (363)      |  |  |  |  |
| Net Weight                        | lbs (kg)  | 107.59 (48.8)    | 108.47 (49.2)    |  |  |  |  |
| Airflow                           | CFM       | 1,380            | 1,380            |  |  |  |  |
| Sound Pressure                    | dB(A)     | 55.5             | 56.0             |  |  |  |  |

 $<sup>\</sup>ensuremath{^{\star}}\xspace \text{Condensing unit}$  above or below indoor unit.

#### **COMPATIBILITY:**

| Hig            | High Wall                              |   |  |  |  |  |  |
|----------------|--|---|--|--|--|--|--|
| Outdoor Unit   | Outdoor Unit DLCPRAH09AAK DLCPRAH12AAK |   |  |  |  |  |  |
| Indo           | Indoor Unit                            |   |  |  |  |  |  |
| DLFPHAH09XAK • |  |   |  |  |  |  |  |
| DLFPHAH12XAK   |  | • |  |  |  |  |  |

#### **PERFORMANCE:**

| High Wall                              |       |              |              |  |  |
|--|-------|--------------|--------------|--|--|
| Indoor Model                           |       | DLFPHAH09XAK | DLFPHAH12XAK |  |  |
| ENERGY STAR®                           |       | YES          | YES          |  |  |
| Cooling System To                      | ons   | 0.75         | 1.0          |  |  |
| Cooling Rated<br>Capacity              | Btu/h | 9,000        | 12,000       |  |  |
| Cooling Cap.<br>Range Min - Max        | Btu/h | 5,000~17,000 | 5,800~19,000 |  |  |
| SEER                                   |       | 40.0         | 30.0         |  |  |
| EER                                    |       | 15.0         | 13.5         |  |  |
| Heating Rated<br>Capacity (47° F)      | Btu/h | 10,000       | 12,000       |  |  |
| Heating Rated<br>Capacity (17° F)      | Btu/h | 7,200        | 6,800        |  |  |
| Heating<br>Maximum<br>Capacity (17° F) | Btu/h | 15,690       | 17,070       |  |  |
| Heating<br>Maximum<br>Capacity (5° F)  | Btu/h | 13,000       | 13,800       |  |  |
| Heating Cap.<br>Range Min - Max        | Btu/h | 6,800~19,000 | 8,790~21,310 |  |  |
| HSPF                                   |       | 14.5         | 13.6         |  |  |
| COP (47° F)                            | W/W   | 4.00         | 4.24         |  |  |
| COP (17° F)                            | W/W   | 2.78         | 2.64         |  |  |
| COP (5° F)                             | W/W   | 2.00         | 2.00         |  |  |

#### DLFPHA HIGH WALL UNIT



#### **INDOOR FEATURES**

- Available in 208/230V
- · Relative Humidity Sensor
- · Occupancy Sensor
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully modulating fan speeds
- Sleep Mode
- Up-down / right-left louver control (fixed or swing)
- ECO Mode
- · Carbon filter
- Follow Me
   (senses temperature
   at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 29 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Up to 40.0 SEER and 14.5 HSPF when paired with DLCPRA outdoor unit

#### **COMPATIBLE WITH:**

• DLCPRA Outdoor Unit Single Zone

(p 15)

 DLCMRA Outdoor Unit Multi-Zone

(p 45)

### Superior Comfort from a Single Energy Efficient Unit

Sizes: 09 / 12

All Systems are ENERGY STAR® certified based on outdoor unit pairing



#### **KEY FEATURES**

#### **Relative Humidity Sensor**

Increase comfort by setting the desired relative humidity in 5% increments in a range of 35% ~ 85%.

#### **Occupancy Sensor**

Detects activity in the room and adjusts the horizontal angle of airflow to blow away from people or follow people.

#### Wi-Fi®

Wi-Fi® connectivity is available (see below.)

#### **CONTROLS**

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)





Wireless Wired Controller Remote Controller (7-Day Programmable) KSACN0401AAA

#### **ACCESSORIES**

Wi-Fi® Kit KSAIF0601AAA





| DLFPHA High Wall                      |                 |                    |                     |  |  |  |  |  |
|---------------------------------------|-----------------|--------------------|---------------------|--|--|--|--|--|
| Heat Pump                             |                 |                    |                     |  |  |  |  |  |
| System                                |                 |                    |                     |  |  |  |  |  |
| Size                                  |                 | 9                  | 12                  |  |  |  |  |  |
| Indoor Model                          |                 | DLFPHAH09XAK       | DLFPHAH12XAK        |  |  |  |  |  |
|                                       | E               | lectrical          |                     |  |  |  |  |  |
| Voltage-Phase-<br>Cycle               | V-Ph-Hz         | 208/230-1-60       | 208/230-1-60        |  |  |  |  |  |
| Power Supply                          |                 | Indoor unit powere | d from outdoor unit |  |  |  |  |  |
| MCA                                   | A.              | 0.3                | 0.3                 |  |  |  |  |  |
|                                       | Oper            | ating Range        |                     |  |  |  |  |  |
| Cooling Indoor DB<br>Min - Max        | ° F (° C)       | 62~90 (17~32)      | 62~90 (17~32)       |  |  |  |  |  |
| Heating Indoor DB<br>Min - Max        | ° F (° C)       | 32~86 (0~30)       | 32~86 (0~30)        |  |  |  |  |  |
|                                       |                 | Piping             |                     |  |  |  |  |  |
| Pipe Connection<br>Size - Liquid      | in (mm)         | 1/4 (6.35)         | 1/4 (6.35)          |  |  |  |  |  |
| Pipe Connection<br>Size - Suction     | in (mm)         | 3/8 (9.52)         | 1/2 (12.7)          |  |  |  |  |  |
|                                       |                 | Indoor             |                     |  |  |  |  |  |
| Unit Width                            | in (mm)         | 35.2 (895)         | 35.2 (895)          |  |  |  |  |  |
| Unit Height                           | in (mm)         | 11.7 (298)         | 11.7 (298)          |  |  |  |  |  |
| Unit Depth                            | in (mm)         | 9.8 (248)          | 9.8 (248)           |  |  |  |  |  |
| Net Weight                            | lbs (kg)        | 37.48 (17)         | 37.48 (17)          |  |  |  |  |  |
| Number of Fan Spee                    | eds             | 4                  | 4                   |  |  |  |  |  |
| Airflow<br>(lowest to highest)        | CFM             | 144/245/295/345    | 168/252/306/357     |  |  |  |  |  |
| Sound Pressure<br>(lowest to highest) | dB(A)           | 29/35.5/41.5/45.6  | 29/35.5/41.5/46.8   |  |  |  |  |  |
| Air Throw Data                        | ft (m)          | 21.98 (6.7)        | 22.97 (7)           |  |  |  |  |  |
| Moisture Removal                      | Pint/h<br>(L/h) | 2.11 (1.0)         | 2.53 (1.2)          |  |  |  |  |  |
| Field Drain Pipe<br>Size O.D.         | in (mm)         | 1 (25.4)           | 1 (25.4)            |  |  |  |  |  |

#### **COMPATIBILITY:**

| Indoor Unit               | DLFPHAH09XAK | DLFPHAH12XAK |  |  |
|---------------------------|--------------|--------------|--|--|
| Outdoor Unit Single Zone* | DLCPRAH09AAK | DLCPRAH12AAK |  |  |
| Outdoor Unit Multi-Zone*  | DLCMRAH18BAK |              |  |  |
|                           | DLCMRAH27CAK |              |  |  |
|                           | DLCMRAH36DAK |              |  |  |
|                           | DLCMRAH48EAK |              |  |  |

\*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

#### DLCSRA OUTDOOR UNIT



#### **OUTDOOR FEATURES**

- 100% Heating capacity at 5° F (-15° C) sizes 12-18 (208/230V)
- Available in 115V and 208/230VBuilt-in basepan heater
- Auto-restart function
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 54.6 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 82 ~ 164 ft.
   (25 ~ 50 m.)
- Cooling operating range
   -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range
   -22° ~ 86° F (-30° ~ 30°C)
   Sizes 09-24 (208/230V)
   -13° ~ 86° F (-25° ~ 30° C)

-13° ~ 86° F (-25° ~ 30° C) Sizes 09, 12 (115V) & 30, 36 (208/230V)

#### **COMPATIBLE WITH:**

| DLFSHA High Wall | (p 23) |
|------------------|--------|
| DLFSCA Cassette  | (p 25) |
| DLFSDA Ducted    | (p 27) |
| DLFSFA Console   | (p 29) |

## A Versatile Outdoor Unit for Maximum Efficiency

#### **Heat Pump with Basepan Heater**

Inverter Compressor Up to 24.7 SEER Up to 11.0 HSPF



Sizes: 09 / 12 / 18 / 24 / 30 / 36

Select sizes are ENERGY STAR® certified based on outdoor unit pairing

#### **KEY FEATURES**

#### **Extra Low Temperature Heating**

When it's cold outside, the heat output for this system is up to 69% of rated capacity down to -22° F (-30° C), making this a primary heat source and eliminating the need for a backup heat source.

#### **Stepless Frequency Adjustment**

Precise control of the system maintains a stable and constant room temperature while reducing sound level and saving energy.



#### **PERFORMANCE:**

| DLFSHA High Wall                 |       |              |              |              |              |              |              |              |
|----------------------------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Indoor Model                     |       | DLFSHAH12XAJ | DLFSHAH09XAK | DLFSHAH12XAK | DLFSHAH18XAK | DLFSHAH24XAK | DLFSHAH30XAK | DLFSHAH36XAK |
| ENERGY STAR®                     |       | YES          | YES          | YES          | YES          | YES          | YES          | NO           |
| Cooling System Tons              |       | 1.0          | 0.75         | 1.0          | 1.5          | 2.0          | 2.5          | 3.0          |
| Cooling Rated Capacity           | Btu/h | 12,000       | 9,000        | 12,000       | 18,000       | 24,000       | 30,000       | 36,000       |
| Cooling Cap. Range Min - Max     | Btu/h | 3,500-12,200 | 3,500-12,600 | 4,200-12,900 | 4,300-21,200 | 5,200-23,000 | 8,000-32,500 | 8,000-37,800 |
| SEER                             |       | 20.4         | 24.7         | 21.5         | 22.0         | 20.0         | 20.0         | 18.0         |
| EER                              |       | 12.5         | 14.0         | 12.5         | 12.5         | 12.5         | 12.5         | 10.5         |
| Heating Rated Capacity (47° F)   | Btu/h | 11,800       | 12,000       | 12,000       | 18,000       | 25,000       | 30,000       | 36,000       |
| Heating Rated Capacity (17° F)   | Btu/h | 7,200        | 7,500        | 7,600        | 11,900       | 15,000       | 18,000       | 21,000       |
| Heating Maximum Capacity (17° F) | Btu/h | 8,000        | 12,400       | 12,800       | 21,500       | 22,700       | 25,300       | 29,700       |
| Heating Maximum Capacity (5° F)  | Btu/h | 7,800        | 10,700       | 12,100       | 20,700       | 23,300       | 19,500       | 23,400       |
| Heating Cap. Range Min - Max     | Btu/h | 1,300-12,400 | 1,300-14,500 | 1,400-13,900 | 2,900-22,900 | 2,300-26,800 | 2,600-30,400 | 2,700-36,000 |
| HSPF                             |       | 11.0         | 10.5         | 11.0         | 10.5         | 10.0         | 9.8          | 10.0         |
| COP (47° F)                      | W/W   | 3.20         | 3.17         | 3.20         | 3.22         | 2.93         | 3.52         | 3.44         |
| COP (17° F)                      | W/W   | 2.60         | 2.65         | 2.40         | 2.50         | 2.35         | 2.55         | 2.60         |
| COP (5° F)                       | W/W   | 1.97         | 1.60         | 1.60         | 1.60         | 1.70         | 1.64         | 1.50         |



|                                  | DLFSCA Cassette |              |              |              |               |  |
|----------------------------------|-----------------|--------------|--------------|--------------|---------------|--|
| Indoor Model                     |                 | DLFSCAH09XAK | DLFSCAH12XAK | DLFSCAH18XAK | DLFSCAH24XAK  |  |
| ENERGY STAR®                     |                 | YES          | YES          |              | NO            |  |
| Cooling System Tons              |                 | 0.75         | 1.0          | 1.4          | 2.0           |  |
| Cooling Rated Capacity           | Btu/h           | 9,000        | 12,000       | 16,000       | 24,000        |  |
| Cooling Cap. Range Min - Max     | Btu/h           | 3,000-13,000 | 3,300-12,000 | 6,000-18,700 | 11,000-28,600 |  |
| SEER                             |                 | 20.0         | 19.5         | 20.0         | 20.0          |  |
| EER                              |                 | 13.0         | 12.5         | 12.5         | 11.0          |  |
| Heating Rated Capacity (47° F)   | Btu/h           | 10,000       | 12,000       | 18,000       | 24,000        |  |
| Heating Rated Capacity (17° F)   | Btu/h           | 6,700        | 8,200        | 12,000       | 16,200        |  |
| Heating Maximum Capacity (17° F) | Btu/h           | 14,300       | 14,700       | 22,700       | 31,700        |  |
| Heating Maximum Capacity (5° F)  | Btu/h           | 12,200       | 12,300       | 20,000       | 30,000        |  |
| Heating Cap. Range Min - Max     | Btu/h           | 4,000-15,200 | 3,300-15,000 | 8,900-21,400 | 10,200-33,600 |  |
| HSPF                             |                 | 10.2         | 10.2         | 10.5         | 11.5          |  |
| COP (47° F)                      | W/W             | 3.37         | 3.55         | 2.95         | 3.66          |  |
| COP (17° F)                      | W/W             | 2.57         | 2.43         | 2.58         | 2.97          |  |
| COP (5° F)                       | W/W             | 1.71         | 1.70         | 1.45         | 1.93          |  |

#### DLCSRA OUTDOOR UNIT



#### **PERFORMANCE:**

| DLFSDA Ducted                       |       |              |              |              |               |  |
|-------------------------------------|-------|--------------|--------------|--------------|---------------|--|
| Indoor Model                        |       | DLFSDAH09XAK | DLFSDAH12XAK | DLFSDAH18XAK | DLFSDAH24XAK  |  |
| ENERGY STAR®                        |       | YES          | YES          | YES          | YES           |  |
| Cooling System Tons                 |       | 0.75         | 1.0          | 1.4          | 2.0           |  |
| Cooling Rated Capacity              | Btu/h | 9,000        | 12,000       | 16,500       | 24,000        |  |
| Cooling Cap. Range Min - Max        | Btu/h | 3,000-13,000 | 3,300-12,000 | 6,000-18,700 | 11,000-28,700 |  |
| SEER                                |       | 22.5         | 20.5         | 20.0         | 21.0          |  |
| EER                                 |       | 14.0         | 12.5         | 12.5         | 12.5          |  |
| Heating Rated Capacity (47° F)      | Btu/h | 10,000       | 12,500       | 19,000       | 24,000        |  |
| Heating Rated Capacity (17° F)      | Btu/h | 6,800        | 8,100        | 12,400       | 17,400        |  |
| Heating Maximum<br>Capacity (17° F) | Btu/h | 14,300       | 14,700       | 22,700       | 31,700        |  |
| Heating Maximum<br>Capacity (5° F)  | Btu/h | 12,200       | 12,300       | 20,000       | 30,000        |  |
| Heating Cap. Range Min - Max        | Btu/h | 4,000-15,200 | 3,300-15,000 | 8,900-21,400 | 10,200-33,600 |  |
| HSPF                                |       | 11.5         | 11.0         | 10.8         | 12.0          |  |
| COP (47° F)                         | W/W   | 3.37         | 3.55         | 2.95         | 3.66          |  |
| COP (17° F)                         | W/W   | 2.57         | 2.43         | 2.58         | 2.97          |  |
| COP (5° F)                          | W/W   | 1.71         | 1.70         | 1.45         | 1.93          |  |





| DLFSFA Console                   |       |              |              |               |  |  |  |
|----------------------------------|-------|--------------|--------------|---------------|--|--|--|
| Indoor Model                     |       | DLFSFAH12XAK | DLFSFAH18XAK | DLFSFAH24XAK  |  |  |  |
| ENERGY STAR®                     |       | YES          | YES          | NO            |  |  |  |
| Cooling System Tons              |       | 1.0          | 1.4          | 2.0           |  |  |  |
| Cooling Rated Capacity           | Btu/h | 12,000       | 17,000       | 24,000        |  |  |  |
| Cooling Cap. Range Min - Max     | Btu/h | 4,200-13,100 | 6,600-20,600 | 11,000-29,200 |  |  |  |
| SEER                             |       | 19.4         | 19.9         | 20.0          |  |  |  |
| EER                              |       | 12.5         | 12.5         | 11.5          |  |  |  |
| Heating Rated Capacity (47° F)   | Btu/h | 12,000       | 18,000       | 24,000        |  |  |  |
| Heating Rated Capacity (17° F)   | Btu/h | 9,600        | 12,900       | 17,200        |  |  |  |
| Heating Maximum Capacity (17° F) | Btu/h | 13,500       | 21,500       | 27,950        |  |  |  |
| Heating Maximum Capacity (5° F)  | Btu/h | 12,300       | 18,700       | 25,000        |  |  |  |
| Heating Cap. Range Min - Max     | Btu/h | 4,800-13,600 | 9,000-22,300 | 10,200-18,400 |  |  |  |
| HSPF                             |       | 10.5         | 10.2         | 11.5          |  |  |  |
| COP (47° F)                      | W/W   | 3.43         | 3.48         | 3.66          |  |  |  |
| COP (17° F)                      | W/W   | 2.66         | 2.30         | 2.80          |  |  |  |
| COP (5° F)                       | W/W   | 1.62         | 1.60         | 1.67          |  |  |  |

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.

|                                   |           |                  |                  | DLCSRA Outdoor U | nit              |                  |                  |                  |
|-----------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                   |           |                  |                  | Heat Pump        |                  |                  |                  |                  |
|                                   |           |                  |                  | System           |                  |                  |                  |                  |
| Size   12   9   12   18           |           |                  |                  |                  |                  | 24               | 30               | 36               |
| Outdoor Model                     |           | DLCSRAH12AAJ     | DLCSRAH09AAK     | DLCSRAH12AAK     | DLCSRAH18AAK     | DLCSRAH24AAK     | DLCSRAH30AAK     | DLCSRAH36AAK     |
|                                   |           |                  |                  | Electrical       |                  |                  |                  |                  |
| Voltage-Phase-Cycle               | V-Ph-Hz   | 115-1-60         | 208/230-1-60     | 208/230-1-60     | 208/230-1-60     | 208/230-1-60     | 208/230-1-60     | 208/230-1-60     |
| MCA                               | A.        | 15               | 9                | 9                | 17               | 20               | 20               | 25               |
| MOCP                              | A.        | 20               | 15               | 15               | 25               | 30               | 30               | 35               |
|                                   |           |                  |                  | Operating Range  |                  |                  |                  |                  |
| Cooling Outdoor DB Min<br>- Max   | ° F (° C) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) |
| Heating Outdoor DB Min<br>- Max   | ° F (° C) | -13~86 (-25~30)  | -22~86 (-30~30)  | -22~86 (-30~30)  | -22~86 (-30~30)  | -22~86 (-30~30)  | -13~86 (-25~30)  | -13~86 (-25~30)  |
|                                   | •         |                  |                  | Piping           |                  |                  |                  |                  |
| Total Piping Length               | in (mm)   | 82 (25)          | 82 (25)          | 82 (25)          | 98 (30)          | 98 (30)          | 164 (50)         | 164 (50)         |
| Piping Lift*                      | in (mm)   | 32 (10)          | 32 (10)          | 32 (10)          | 66 (20)          | 66 (20)          | 82 (25)          | 82 (25)          |
| Pipe Connection Size -<br>Liquid  | in (mm)   | 1/4 (6.35)       | 1/4 (6.35)       | 1/4 (6.35)       | 1/4 (6.35)       | 3/8 (9.52)       | 3/8 (9.52)       | 3/8 (9.52)       |
| Pipe Connection Size -<br>Suction | in (mm)   | 1/2 (12.7)       | 3/8 (9.52)       | 1/2 (12.7)       | 1/2 (12.7)       | 5/8 (16)         | 5/8 (16)         | 5/8 (16)         |
|                                   |           |                  |                  | Refrigerant      |                  |                  |                  |                  |
| Туре                              | in (mm)   | R410A            |
| Charge                            | lbs (kg)  | 2.64 (1.15)      | 3.31 (1.5)       | 3.31 (1.5)       | 4.3 (1.95)       | 5.73 (2.6)       | 6.06 (2.75)      | 7.49 (3.4)       |
|                                   |           |                  |                  | Outdoor          |                  |                  |                  |                  |
| Unit Width                        | in (mm)   | 31.5 (800)       | 31.5 (800)       | 31.5 (800)       | 33.27 (845)      | 37.24 (946)      | 37.24 (946)      | 37.24 (946)      |
| Unit Height                       | in (mm)   | 21.81 (554)      | 21.81 (554)      | 21.81 (554)      | 27.63 (702)      | 31.89 (810)      | 31.89 (810)      | 31.89 (810)      |
| Unit Depth                        | in (mm)   | 13.11 (333)      | 13.11 (333)      | 13.11 (333)      | 14.26 (363)      | 16.54 (420)      | 16.54 (420)      | 16.54 (420)      |
| Net Weight                        | lbs (kg)  | 80.7 (36.6)      | 90.8 (41.2)      | 91.7 (41.6)      | 113.3 (51.4)     | 141.1 (64)       | 137.8 (62.5)     | 143.3 (65)       |
| Airflow                           | CFM       | 1,177            | 1,177            | 1,177            | 1,824            | 2,355            | 2,119            | 2,119            |
| Sound Pressure                    | dB(A)     | 54.7             | 56.6             | 54.6             | 58.9             | 61.0             | 60.0             | 60.0             |

 $<sup>\</sup>ensuremath{^{\star}}\xspace \ensuremath{\text{Condensing}}$  unit above or below indoor unit.

| la de en Hait    |              |              |              | DLCSRA Outdoor Unit |              |              |              |
|------------------|--------------|--------------|--------------|---------------------|--------------|--------------|--------------|
| Indoor Unit      | DLCSRAH12AAJ | DLCSRAH09AAK | DLCSRAH12AAK | DLCSRAH18AAK        | DLCSRAH24AAK | DLCSRAH30AAK | DLCSRAH36AAK |
| DLFSHA High Wall | DLFSHAH12XAJ | DLFSHAH09XAK | DLFSHAH12XAK | DLFSHAH18XAK        | DLFSHAH24XAK | DLFSHAH30XAK | DLFSHAH36XAK |
| DLFSCA Cassette* |              | DLFSCAH09XAK | DLFSCAH12XAK | DLFSCAH18XAK        | DLFSCAH24XAK |              |              |
| DLFSDA Ducted*   |              | DLFSDAH09XAK | DLFSDAH12XAK | DLFSDAH18XAK        | DLFSDAH24XAK |              |              |
| DLFSFA Console*  |              |              | DLFSFAH12XAK | DLFSFAH18XAK        | DLFSFAH24XAK |              |              |

 $<sup>^{\</sup>star}$ Cassette, Ducted and Console indoor units sizes 36, 48 & 58 ONLY compatible with DLCLRA Outdoor Unit.

#### **ADVANTAGE SERIES**

DLFSHA HIGH WALL UNIT



#### **INDOOR FEATURES**

- Available in 115V and 208/230V
- Up to 24.7 SEER and 11.0 HSPF when paired with the DLCSRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Four fan speeds
- Sleep Mode
- ECO Mode
- Up-down louver control (fixed or swing)
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 25 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

#### **COMPATIBLE WITH:**

• DLCSRA Outdoor Unit Single Zone

(p 19)

• DLCMRA Outdoor Unit Multi-Zone

(p45)

### Built-In Temperature Control for **Ultimate Energy Savings**

Sizes: 09 / 12 / 18 / 24 / 30 / 36

Select sizes are ENERGY STAR® certified based on outdoor unit pairing



#### **KEY FEATURES**

#### **ECO Mode**

The intelligent 8-hour night cycle program saves up to 60% of energy to make it more comfortable at night while sleeping.

#### **Follow Me**

Built-in temperature sensor in the Remote Controller will sense its surrounding temperature and adjust the room temperature more accurately to provide greater comfort.

#### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)







Wired Controller KSACN0101AAA

**Wired Controller** (Timer Function) (7-Day Programmable) KSACN0401AAA

Wireless Remote Controller

#### **ACCESSORIES**

Wi-Fi® Kit KSAIF0501AAA





|                                       | DLFSHA High Wall |                 |                 |                 |                         |                 |                 |                 |  |  |
|---------------------------------------|------------------|-----------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-----------------|--|--|
|                                       | Heat Pump        |                 |                 |                 |                         |                 |                 |                 |  |  |
| System                                |                  |                 |                 |                 |                         |                 |                 |                 |  |  |
| Size 12 9 12 18 24 30                 |                  |                 |                 |                 |                         | 30              | 36              |                 |  |  |
| Indoor Model                          |                  | DLFSHAH12XAJ    | DLFSHAH09XAK    | DLFSHAH12XAK    | DLFSHAH18XAK            | DLFSHAH24XAK    | DLFSHAH30XAK    | DLFSHAH36XAK    |  |  |
|                                       |                  |                 |                 | Electrical      |                         |                 |                 |                 |  |  |
| Voltage-Phase-Cycle                   | V-PhHz           | 115-1-60        | 208/230-1-60    | 208/230-1-60    | 208/230-1-60            | 208/230-1-60    | 208/230-1-60    | 208/230-1-60    |  |  |
| Power Supply                          |                  |                 |                 | Indoor          | unit powered from outdo | oor unit        |                 |                 |  |  |
| MCA                                   | A.               | 0.3             | 0.2             | 0.2             | 0.22                    | 0.25            | 0.5             | 0.5             |  |  |
|                                       |                  |                 |                 | Operating Range |                         |                 |                 |                 |  |  |
| Cooling Indoor DB Min - Max           | ° F (° C)        | 62~90 (17~32)   | 62~90 (17~32)   | 62~90 (17~32)   | 62~90 (17~32)           | 62~90 (17~32)   | 62~90 (17~32)   | 62~90 (17~32)   |  |  |
| Heating Indoor DB Min - Max           | ° F (° C)        | 32~86 (0~30)    | 32~86 (0~30)    | 32~86 (0~30)    | 32~86 (0~30)            | 32~86 (0~30)    | 32~86 (0~30)    | 32~86 (0~30)    |  |  |
|                                       |                  |                 |                 | Piping          |                         |                 |                 |                 |  |  |
| Pipe Connection Size - Liquid         | in (mm)          | 1/4 (6.35)      | 1/4 (6.35)      | 1/4 (6.35)      | 1/4 (6.35)              | 3/8 (9.52)      | 3/8 (9.52)      | 3/8 (9.52)      |  |  |
| Pipe Connection Size - Suction        | in (mm)          | 1/2 (12.7)      | 3/8 (9.52)      | 1/2 (12.7)      | 1/2 (12.7)              | 5/8 (16)        | 5/8 (16)        | 5/8 (16)        |  |  |
|                                       |                  |                 |                 | Indoor          |                         |                 |                 |                 |  |  |
| Unit Width                            | in (mm)          | 31.89 (810)     | 31.89 (810)     | 31.89 (810)     | 42.91 (1090)            | 42.91 (1090)    | 53.15 (1350)    | 53.15 (1350)    |  |  |
| Unit Height                           | in (mm)          | 11.81 (300)     | 11.81 (300)     | 11.81 (300)     | 13.31 (338)             | 13.31 (338)     | 14.37 (365)     | 14.37 (365)     |  |  |
| Unit Depth                            | in (mm)          | 7.87 (200)      | 7.87 (200)      | 7.87 (200)      | 9.25 (235)              | 9.25 (235)      | 10.71 (272)     | 10.71 (272)     |  |  |
| Net Weight                            | lbs (kg)         | 18.7 (8.5)      | 18.3 (8.3)      | 18.3 (8.3)      | 29.8 (13.5)             | 29.8 (13.5)     | 46.3 (21)       | 46.3 (21)       |  |  |
| Number of Fan Speeds                  |                  | 4               | 4               | 4               | 4                       | 4               | 4               | 4               |  |  |
| Airflow (lowest to highest)           | CFM              | 159/254/295/324 | 159/254/295/324 | 147/235/294/324 | 353/500/618/647         | 324/471/618/647 | 441/618/882/912 | 441/618/882/912 |  |  |
| Sound Pressure<br>(lowest to highest) | dB(A)            | 25.3/32.6/39.1  | 24.7/32.1/39.8  | 26.1/33/41      | 33.9/41.7/47            | 34.8/42.9/49.1  | 33/44/51        | 33/44/51        |  |  |
| Air Throw Data                        | ft (m)           | 22.93 (6.99)    | 21.75 (6.63)    | 22.93 (6.99)    | 24.93 (7.6)             | 28.54 (8.7)     | 49.2 (15)       | 49.2 (15)       |  |  |
| Moisture Removal                      | Pint/h<br>(L/h)  | 3.3 (1.56)      | 1.5 (0.7)       | 3.2 (1.51)      | 2.9 (1.38)              | 5.6 (2.67)      | 6.5 (3.09)      | 8.8 (4.17)      |  |  |
| Field Drain Pipe Size O.D.            | in (mm)          | 0.625 (16)      | 0.625 (16)      | 0.625 (16)      | 0.625 (16)              | 0.625 (16)      | 0.625 (16)      | 0.625 (16)      |  |  |

| Indoor Unit                  | DLFSHAH12XAJ | DLFSHAH09XAK | DLFSHAH12XAK | DLFSHAH18XAK | DLFSHAH24XAK | DLFSHAH30XAK | DLFSHAH36XAK |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Outdoor Unit Single<br>Zone* | DLCSRAH12AAJ | DLCSRAH09AAK | DLCSRAH12AAK | DLCSRAH18AAK | DLCSRAH24AAK | DLCSRAH30AAK | DLCSRAH36AAK |
|                              |              | DLCMRA       | DLCMRAH18BAK |              |              |              |              |
| Outdoor Unit                 |              |              | DLCMRAH27CAK |              |              |              |              |
| Multi-Zone*                  |              |              | DLCMRAH36DAK |              |              |              |              |
|                              |              |              | DLCMRA       | AH48EAK      |              |              |              |

<sup>\*</sup>Performance may vary based on the compatible outdoor units. See respective pages for performance data.

#### DLFSCA CASSETTE



#### INDOOR FEATURES

- Available in 208/230V
- Up to 22.5 SEER and 12.0
   HSPF when paired with
   DLCSRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Louver control (fixed or swing)
- Three fan speeds
- · Outside air intake
- Built-in condensate lift pump
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 27 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Grille/ceiling panel 2' x 2' sizes 09 to 18 KSALG0101AAA
- Grille/ceiling panel 3' x 3' size
   24 P/N KSALG0201AAA

#### **COMPATIBLE WITH:**

• DLCSRA Outdoor Unit Single Zone

(p 19)

 DLCMRA Outdoor Unit Multi-Zone

(p 45

## Maximum Flexibility for Optimal Comfort Control

Sizes: 09 / 12 / 18 / 24

Select sizes are ENERGY STAR® certified based on outdoor unit pairing



#### **KEY FEATURES**

#### **Built-In Condensate Lift Pump**

The Cassette is supplied with a condensate lift pump that is capable of lifting the water 29.5 in. (750 mm.) above the top of the unit.

#### **Integrated Electrical Components**

Easy maintenance with the circuit box inside the unit, provides a more compact size for easier installation.

#### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Wired Remote Controller KSACN0501AAA (7-Day Programmable)







Wired Controller (7-Day Programmable) KSACN0501AAA



Wireless Remote Controller

#### **ACCESSORIES**

Wi-Fi® Kit KSAIF0401AAA



NOTE: Grille is required; sold separately.



|                                    |              | DLFSCA Ca     | ssette                                |                     |               |  |  |  |
|------------------------------------|--------------|---------------|---------------------------------------|---------------------|---------------|--|--|--|
|                                    |              | Heat Pui      | mp                                    |                     |               |  |  |  |
|                                    | System       |               |                                       |                     |               |  |  |  |
| Size                               |              | 9             | 12                                    | 18                  | 24            |  |  |  |
| Indoor Model                       |              | DLFSCAH09XAK  | DLFSCAH12XAK                          | DLFSCAH18XAK        | DLFSCAH24XAK  |  |  |  |
|                                    |              | Electric      | <del></del> -                         |                     |               |  |  |  |
| Voltage-Phase-Cycle                | V-Ph-Hz      | 208/230-1-60  | 208/230-1-60                          | 208/230-1-60        | 208/230-1-60  |  |  |  |
| Power Supply                       |              |               | · · · · · · · · · · · · · · · · · · · | d from outdoor unit |               |  |  |  |
| MCA                                | A.           | 0.2           | 0.2                                   | 0.2                 | 0.3           |  |  |  |
|                                    |              | Operating F   | . •                                   |                     |               |  |  |  |
| Cooling Indoor DB Min - Max        | ° F (° C)    | 62~90 (17~32) | 62~90 (17~32)                         | 62~90 (17~32)       | 62~90 (17~32) |  |  |  |
| Heating Indoor DB Min - Max        | ° F (° C)    | 32~86 (0~30)  | 32~86 (0~30)                          | 32~86 (0~30)        | 32~86 (0~30)  |  |  |  |
|                                    |              | Piping        | ]                                     |                     |               |  |  |  |
| Pipe Connection Size - Liquid      | in (mm)      | 1/4 (6.35)    | 1/4 (6.35)                            | 1/4 (6.35)          | 3/8 (9.52)    |  |  |  |
| Pipe Connection Size - Suction     | in (mm)      | 3/8 (9.52)    | 1/2 (12.7)                            | 1/2 (12.7)          | 5/8 (16)      |  |  |  |
|                                    |              | Indoo         | <u>r</u>                              |                     |               |  |  |  |
| Body Unit Width                    | in (mm)      | 22.44 (570)   | 22.44 (570)                           | 22.44 (570)         | 33.07 (840)   |  |  |  |
| Body Unit Height                   | in (mm)      | 10.24 (260)   | 10.24 (260)                           | 10.24 (260)         | 8.07 (205)    |  |  |  |
| Body Unit Depth                    | in (mm)      | 22.44 (570)   | 22.44 (570)                           | 22.44 (570)         | 33.07 (840)   |  |  |  |
| Body Net Weight                    | lbs (kg)     | 35.27 (16)    | 35.27 (16)                            | 39.68 (18)          | 46.3 (21)     |  |  |  |
| Grille Unit Width                  | in (mm)      | 25.47 (647)   | 25.47 (647)                           | 25.47 (647)         | 37.4 (950)    |  |  |  |
| Grille Unit Height                 | in (mm)      | 1.97 (50)     | 1.97 (50)                             | 1.97 (50)           | 2.17 (55)     |  |  |  |
| Grille Unit Depth                  | in (mm)      | 25.47 (647)   | 25.47 (647)                           | 25.47 (647)         | 37.4 (950)    |  |  |  |
| Grille Net Weight                  | lbs (kg)     | 5.51 (2.5)    | 5.51 (2.5)                            | 5.51 (2.5)          | 11.02 (5)     |  |  |  |
| Number of Fan Speeds               |              | 3             | 3                                     | 3                   | 3             |  |  |  |
| Airflow (lowest to highest)        | CFM          | 270/306/353   | 253/296/350                           | 439/485/562         | 625/761/878   |  |  |  |
| Sound Pressure (lowest to highest) | dB(A)        | 33/35/38      | 27/34/42                              | 33/40/46.5          | 47/50/52      |  |  |  |
| Air Throw Data                     | ft (m)       | 23 (7)        | 23 (7)                                | 30 (9)              | 30 (9)        |  |  |  |
| Moisture Removal                   | Pint/h (L/h) | 1.58 (0.75)   | 2.88 (1.366)                          | 4.26 (2.02)         | 5.22 (2.47)   |  |  |  |
| Field Drain Pipe Size 0.D.         | in (mm)      | 1 (25.4)      | 1 (25.4)                              | 1 (25.4)            | 1 (25.4)      |  |  |  |

| Indoor Unit               | DLFSCAH09XAK DLFSCAH12XAK |         | DLFSCAH18XAK | DLFSCAH24XAK |  |  |
|---------------------------|---------------------------|---------|--------------|--------------|--|--|
| Outdoor Unit Single Zone* | DLCSRAH09AAK DLCSRAH12AAK |         | DLCSRAH18AAK | DLCSRAH24AAK |  |  |
|                           | DLCMRA                    | NH18BAK |              |              |  |  |
| Outdoor Unit Multi Zono*  |                           |         |              |              |  |  |
| Outdoor Unit Multi-Zone*  | DLCMRAH36DAK              |         |              |              |  |  |
|                           | DLCMRAH48EAK              |         |              |              |  |  |

 $<sup>{}^\</sup>star\!\text{Performance may vary based on the compatible outdoor units. See respective pages for performance data.}$ 

#### DLFSDA DUCTED



#### **INDOOR FEATURES**

- Available in 208/230V
- Up to 22.5 SEER and up to 12.0 HSPF when paired with DLCSRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical or horizontal installation
- Up to 0.64 in WG
- Rear or bottom return
- Variable CFM Operation
- Built-in condensate lift pump
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 30 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

#### **COMPATIBLE WITH:**

• DLCSRA Outdoor Unit Single Zone

(p 19)

 DLCMRA Outdoor Unit Multi-Zone

(p45)

## Flexible Installation & Increased Air Circulation

Sizes: 09 / 12 / 18 / 24

Select sizes are ENERGY STAR® certified based on outdoor unit pairing



#### **KEY FEATURES**

#### **Vertical or Horizontal Installation**

Designed for maximum installation flexibility with the built-in secondary drain pan, which allows the unit to be mounted vertically for either a floor- or ceiling-concealed installation depending on existing conditions.

#### **Built-In Condensate Lift Pump**

Supplied with a condensate lift pump that is capable of lifting the water a maximum of 29.5 in. (750 mm.) above the top of the unit.

#### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Wired Remote Controller KSACN0501AAA (7-Day Programmable) included with indoor unit







Wired Controller (7-Day Programmable) KSACN0501AAA

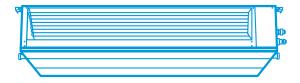


Wireless Remote Controller

#### **ACCESSORIES**

Wi-Fi® Kit KSAIF0401AAA





|                                    |           | DLFSDA Ducte  | ed                 |                     |               |
|------------------------------------|-----------|---------------|--------------------|---------------------|---------------|
|                                    |           | Heat Pump     |                    |                     |               |
|                                    |           | System        |                    |                     |               |
| Size                               |           | 9             | 12                 | 18                  | 24            |
| Indoor Model                       |           | DLFSDAH09XAK  | DLFSDAH12XAK       | DLFSDAH18XAK        | DLFSDAH24XAK  |
|                                    |           | Electrical    |                    |                     |               |
| Voltage-Phase-Cycle                | V-Ph-Hz   | 208/230-1-60  | 208/230-1-60       | 208/230-1-60        | 208/230-1-60  |
| Power Supply                       |           |               | Indoor unit powere | d from outdoor unit |               |
| MCA                                | A.        | 1.11          | 1.11               | 1.2                 | 1.2           |
|                                    |           | Operating Ran | ge                 |                     |               |
| Cooling Indoor DB Min - Max        | ° F (° C) | 62~90 (17~32) | 62~90 (17~32)      | 62~90 (17~32)       | 62~90 (17~32) |
| Heating Indoor DB Min - Max        | ° F (° C) | 32~86 (0~30)  | 32~86 (0~30)       | 32~86 (0~30)        | 32~86 (0~30)  |
|                                    |           | Piping        |                    |                     |               |
| Pipe Connection Size - Liquid      | in (mm)   | 1/4 (6.35)    | 1/4 (6.35)         | 1/4 (6.35)          | 3/8 (9.52)    |
| Pipe Connection Size - Suction     | in (mm)   | 3/8 (9.52)    | 1/2 (12.7)         | 1/2 (12.7)          | 5/8 (16)      |
|                                    |           | Indoor        |                    |                     |               |
| Unit Width                         | in (mm)   | 27.56 (700)   | 27.56 (700)        | 34.65 (880)         | 43.31 (1100)  |
| Unit Height                        | in (mm)   | 7.87 (200)    | 7.87 (200)         | 8.27 (210)          | 9.8 (249)     |
| Unit Depth                         | in (mm)   | 19.92 (506)   | 19.92 (506)        | 26.54 (674)         | 30.47 (774)   |
| Net Weight                         | lbs (kg)  | 43.56 (19.8)  | 43.56 (19.8)       | 54 (24.5)           | 86.86 (39.4)  |
| Number of Fan Speeds               | 3         | 3             | 3                  | 3                   |               |
| Airflow (lowest to highest)        | CFM       | 147/211/264   | 176/282/353        | 300/400/480         | 440/700/780   |
| Sound Pressure (lowest to highest) | dB(A)     | 30/34/38      | 35/37/39           | 35/37/39            | 35.5/40/44    |
| Max. Static Pressure               | in (WG)   | 0.20          | 0.20               | 0.40                | 0.64          |
| Field Drain Pipe Size O.D.         | in (mm)   | 1 (25.4)      | 1 (25.4)           | 1 (25.4)            | 1 (25.4)      |

| Indoor Unit               | DLFSDAH09XAK | DLFSDAH12XAK | DLFSDAH18XAK | DLFSDAH24XAK |  |  |
|---------------------------|--------------|--------------|--------------|--------------|--|--|
| Outdoor Unit Single Zone* | DLCSRAH09AAK | DLCSRAH12AAK | DLCSRAH18AAK | DLCSRAH24AAK |  |  |
|                           | DLCMRA       | H18BAK       |              |              |  |  |
| Outdoor Unit Multi Zono*  |              | DLCMRAH27CAK |              |              |  |  |
| Outdoor Unit Multi-Zone*  |              | DLCMRAH36DAK |              |              |  |  |
|                           |              | DLCMRAH48EAK |              |              |  |  |

<sup>\*</sup>Performance may vary based on the compatible outdoor units. See respective pages for performance data.

#### DLFSFA CONSOLE



## A Single Console for Optimized Heating & Cooling

#### **INDOOR FEATURES**

- Available in 208/230V
- Up to 22.5 SEER and 12.0 HSPF when paired with DLCSRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Size 12 capable of being mounted on floor only
- Sizes 18-24 capable of being mounted on floor or ceiling
- Louver control (fixed or swing)
- Three fan speeds
- Air discharge from top and bottom (size 12 only)
- Follow Me
   (senses temperature
   at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 34 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

#### **COMPATIBLE WITH:**

• DLCSRA Outdoor Unit Single Zone

(p 19)

 DLCMRA Outdoor Unit Multi-Zone

(p 45)

Sizes: 12 / 18 / 24

Select sizes are ENERGY STAR® certified based on outdoor unit pairing



#### **KEY FEATURES**

#### 2-Way Optional Air Outlet

For up and down air-outlet or up air-outlet. Only on size 12.

#### **Outside Air Intake**

Outside air can be brought into the room through the connection available on the indoor unit, which helps meet the ventilation requirement. Only on sizes 18-24.

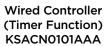
#### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable) size 12

Optional Wired Remote Controller KSACN0501AAA (7-Day Programmable) sizes 18 and 24







Wired Controller (7-Day Programmable) KSACN0401AAA

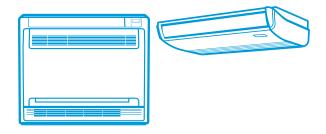


Wireless Remote Controller

#### **ACCESSORIES**

Wi-Fi® Kit (sizes 18-24) KSAIF0401AAA





|                                    |           | DLFSFA Console  |                                |               |  |  |  |
|------------------------------------|-----------|-----------------|--------------------------------|---------------|--|--|--|
|                                    |           | Heat Pump       |                                |               |  |  |  |
| System                             |           |                 |                                |               |  |  |  |
| Size                               |           | 12              | 18                             | 24            |  |  |  |
| Indoor Model                       |           | DLFSFAH12XAK    | DLFSFAH18XAK                   | DLFSFAH24XAK  |  |  |  |
|                                    |           | Electrical      |                                |               |  |  |  |
| Voltage-Phase-Cycle                | V-Ph-Hz   | 208/230-1-60    | 208/230-1-60                   | 208/230-1-60  |  |  |  |
| Power Supply                       |           | Indoo           | or unit powered from outdoor u | nit           |  |  |  |
| MCA                                | A.        | 0.3             | 1.0                            | 1.0           |  |  |  |
|                                    |           | Operating Range |                                |               |  |  |  |
| Cooling Indoor DB Min - Max        | ° F (° C) | 62~90 (17~32)   | 62~90 (17~32)                  | 62~90 (17~32) |  |  |  |
| Heating Indoor DB Min - Max        | ° F (° C) | 32~86 (0~30)    | 32~86 (0~30)                   | 32~86 (0~30)  |  |  |  |
|                                    |           | Piping          |                                |               |  |  |  |
| Pipe Connection Size - Liquid      | in (mm)   | 1/4 (6.35)      | 1/4 (6.35)                     | 3/8 (9.52)    |  |  |  |
| Pipe Connection Size - Suction     | in (mm)   | 1/2 (12.7)      | 1/2 (12.7)                     | 5/8 (16)      |  |  |  |
|                                    | _         | Indoor          |                                |               |  |  |  |
| Unit Width                         | in (mm)   | 27.56 (700)     | 42.05 (1068)                   | 42.05 (1068)  |  |  |  |
| Unit Height                        | in (mm)   | 23.62 (600)     | 26.57 (675)                    | 26.57 (675)   |  |  |  |
| Unit Depth                         | in (mm)   | 8.27 (210)      | 9.25 (235)                     | 9.25 (235)    |  |  |  |
| Net Weight                         | lbs (kg)  | 32.41 (14.7)    | 55.12 (25)                     | 58.42 (26.5)  |  |  |  |
| Number of Fan Speeds               |           | 3               | 3                              | 3             |  |  |  |
| Airflow (lowest to highest)        | CFM       | 250/320/360     | 420/485/550                    | 600/710/760   |  |  |  |
| Sound Pressure (lowest to highest) | dB(A)     | 34/41/45        | 39/44/47                       | 46/50/52      |  |  |  |
| Air Throw Data                     | ft (m)    | 23 (7)          | 26 (8)                         | 21.75 (6.63)  |  |  |  |
| Field Drain Pipe Size O.D.         | in (mm)   | 1 (25.4)        | 1 (25.4)                       | 1 (25.4)      |  |  |  |

| Indoor Unit               | DLFSFAH12XAK | DLFSFAH18XAK | DLFSFAH24XAK |  |  |
|---------------------------|--------------|--------------|--------------|--|--|
| Outdoor Unit Single Zone* | DLCSRAH12AAK | DLCSRAH24AAK |              |  |  |
| -                         | DLCMRAH18BAK |              |              |  |  |
| Outdoor Unit Multi-Zone*  | DLCMRA       |              |              |  |  |
| Outdoor Offic Multi-Zoffe | DLCMRAH36DAK |              |              |  |  |
|                           | DLCMRAH48EAK |              |              |  |  |

<sup>\*</sup>Performance may vary based on the compatible outdoor units. See respective pages for performance data.





#### STANDARD SERIES

#### DLCERA OUTDOOR UNIT



#### **OUTDOOR FEATURES**

- Cost-competitive
- Available in 115V and 208/230V
- Built-in basepan heater on heat pump units
- Auto-restart function
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 52 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 82 ~ 164 ft. (25-50 m.)
- Cooling operating range 0° ~ 22° F (-17° ~ 50° C)
- Heating operating range 0° ~ 86° F (-17° ~ 30° C)

#### **COMPATIBLE WITH:**

 DLFEHAA High Wall Cooling Only

(p 38)

• DLFEHAH High Wall Heat Pump

(p 39)

# A Cost-Effective Outdoor Unit for Superior Heating & Cooling

#### **Cooling Only - DLCERAA**

#### **Heat Pump with Basepan Heater - DLCERAH**

**Inverter Compressor** 

Up to 17.6 SEER

Up to 10.6 HSPF

Sizes: 09 / 12 / 18 / 24

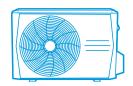
#### **KEY FEATURES**

#### **Cost-Effective Solution**

An economical choice that can provide comfort when you need it.

#### **Rapid Cooling & Heating**

After start-up, the compressor quickly gets up to maximum speed, cooling or heating the room in minutes.



|                                   |           |                | DLCERAH Outdoor U | nit            |                |                |
|-----------------------------------|-----------|----------------|-------------------|----------------|----------------|----------------|
|                                   |           |                | Heat Pump         |                |                |                |
|                                   |           |                | System            |                |                |                |
| Size                              |           | 12             | 9                 | 12             | 18             | 24             |
| Outdoor Model                     |           | DLCERAH12AAJ   | DLCERAH09AAK      | DLCERAH12AAK   | DLCERAH18AAK   | DLCERAH24AAK   |
|                                   |           | T              | Electrical        | l              | T              | T              |
| Voltage-Phase-Cycle               | V-Ph-Hz   | 115-1-60       | 208/230-1-60      | 208/230-1-60   | 208/230-1-60   | 208/230-1-60   |
| MCA                               | A.        | 13             | 8                 | 10             | 15             | 18             |
| MOCP - Fuse Rating                | A.        | 20             | 15                | 15             | 20             | 25             |
|                                   | ,         | 1              | Operating Range   | l              | ı              | 1              |
| Cooling Outdoor<br>DB Min - Max   | ° F (° C) | 0~122 (-17~50) | 0~122 (-17~50)    | 0~122 (-17~50) | 0~122 (-17~50) | 0~122 (-17~50) |
| Heating Outdoor<br>DB Min - Max   | ° F (° C) | 0~86 (-17~30)  | 0~86 (-17~30)     | 0~86 (-17~30)  | 0~86 (-17~30)  | 0~86 (-17~30)  |
|                                   | <u>'</u>  |                | Piping            |                |                |                |
| Total Piping Length               | ft (m)    | 82 (25)        | 82 (25)           | 82 (25)        | 98 (30)        | 164 (50)       |
| Piping Lift*                      | ft (m)    | 33 (10)        | 33 (10)           | 33 (10)        | 66 (20)        | 66 (20)        |
| Pipe Connection<br>Size - Liquid  | in (mm)   | 1/4 (6.35)     | 1/4 (6.35)        | 1/4 (6.35)     | 1/4 (6.35)     | 3/8 (9.52)     |
| Pipe Connection<br>Size - Suction | in (mm)   | 1/2 (12.7)     | 3/8 (9.52)        | 1/2 (12.7)     | 1/2 (12.7)     | 5/8 (16)       |
|                                   |           |                | Refrigerant       |                |                |                |
| Туре                              |           | R410A          | R410A             | R410A          | R410A          | R410A          |
| Charge                            | lbs (kg)  | 2.11 (0.96)    | 1.76 (0.80)       | 2.11 (0.96)    | 2.82 (1.28)    | 3.97 (1.80)    |
|                                   |           |                | Outdoor           |                |                |                |
| Unit Width                        | in (mm)   | 30.31 (770)    | 30.31 (770)       | 30.31 (770)    | 31.50 (800)    | 33.27 (845)    |
| Unit Height                       | in (mm)   | 21.85 (555)    | 21.85 (555)       | 21.85 (555)    | 21.81 (554)    | 27.64 (702)    |
| Unit Depth                        | in (mm)   | 11.81 (300)    | 11.81 (300)       | 11.81 (300)    | 13.11 (333)    | 14.29 (363)    |
| Net Weight                        | lbs (kg)  | 69 (31.3)      | 63 (28.6)         | 65.5 (29.7)    | 79.6 (36.1)    | 114.2 (51.8)   |
| Airflow                           | CFM       | 1,170          | 1,170             | 1,170          | 1,170          | 1,765          |
| Sound Pressure                    | dB(A)     | 54.5           | 57.2              | 57.4           | 57.0           | 60.2           |

<sup>\*</sup>Condensing unit above or below indoor unit.

| Indoor Unit          |              | Outdoor Unit |              |              |              |              |  |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
|                      |              | DLCERAH12AAJ | DLCERAH09AAK | DLCERAH12AAK | DLCERAH18AAK | DLCERAH24AAK |  |
| DLFEHAH<br>High Wall | DLFEHAH12XAJ | •            |              |              |              |              |  |
|                      | DLFEHAH09XAK |              | •            |              |              |              |  |
|                      | DLFEHAH12XAK |              |              | •            |              |              |  |
|                      | DLFEHAH18XAK |              |              |              | •            |              |  |
|                      | DLFEHAH24XAK |              |              |              |              | •            |  |

#### **PERFORMANCE:**

| DLFEHAH High Wall                  |       |              |              |              |               |              |  |
|------------------------------------|-------|--------------|--------------|--------------|---------------|--------------|--|
| Heat Pump                          |       |              |              |              |               |              |  |
| Indoor Model                       |       | DLFEHAH12XAJ | DLFEHAH09XAK | DLFEHAH12XAK | DLFEHAH18XAK  | DLFEHAH24XAK |  |
| ENERGY STAR®                       |       | NO NO        | NO NO        | NO NO        | NO NO         | NO           |  |
| Cooling System Tons                |       | 1.0          | 0.8          | 1.0          | 1.5           | 2.0          |  |
| Cooling Rated<br>Capacity          | Btu/h | 12,000       | 9,000        | 12,000       | 18,000        | 24,000       |  |
| Cooling Cap.<br>Range Min - Max    | Btu/h | 3,700-13,000 | 3,400-10,500 | 3,700-13,000 | 5,500-19,000  | 8,987-26,585 |  |
| SEER                               |       | 17.3         | 17.6         | 17.5         | 17.5          | 16.9         |  |
| EER                                |       | 10.0         | 11.2         | 11.2         | 11.2          | 9.7          |  |
| Heating Rated<br>Capacity (47° F)  | Btu/h | 12,000       | 9,800        | 12,000       | 18,000        | 24,800       |  |
| Heating Rated<br>Capacity (17° F)  | Btu/h | 8,000        | 7,500        | 9,230        | 11,600        | 18,000       |  |
| Heating Maximum<br>Capacity (5° F) | Btu/h | 9,000        | 6,070        | 8,880        | 10,150        | 16,760       |  |
| Heating Cap.<br>Range Min - Max    | Btu/h | 3,500-13,500 | 2,800-11,500 | 3,500-13,500 | 6,2000-19,000 | 8,371-25,350 |  |
| HSPF                               |       | 10.6         | 10.0         | 9.6          | 10.6          | 9.6          |  |
| COP (47° F)                        | W/W   | 2.93         | 3.27         | 3.22         | 3.26          | 3.13         |  |
| COP (5° F)                         | W/W   | 1.60         | 1.60         | 1.60         | 1.50          | 1.40         |  |

| DLFEHAA High Wall               |       |              |              |              |              |  |  |  |
|---------------------------------|-------|--------------|--------------|--------------|--------------|--|--|--|
| Cooling Only                    |       |              |              |              |              |  |  |  |
| Indoor Model                    |       | DLFEHAA12XAJ | DLFEHAA12XAK | DLFEHAA18XAK | DLFEHAA24XAK |  |  |  |
| ENERGY STAR®                    |       | NO           | NO           | NO           | NO           |  |  |  |
| Cooling System Tons             |       | 1.0          | 1.0          | 1.5          | 2.0          |  |  |  |
| Cooling Rated Capacity          | Btu/h | 12,000       | 12,000       | 18,000       | 24,000       |  |  |  |
| Cooling Cap. Range<br>Min - Max | Btu/h | 4,800~13,200 | 4,800~13,000 | 5,800~18,600 | 9,400~25,200 |  |  |  |
| SEER                            |       | 16.8         | 16.0         | 16.5         | 17.0         |  |  |  |
| EER                             |       | 10.7         | 11.2         | 10.3         | 10.9         |  |  |  |

### An economical choice that can provide comfort when you need it.

| DLCERAA Outdoor Unit           |           |                |                |                |                |  |  |  |
|--------------------------------|-----------|----------------|----------------|----------------|----------------|--|--|--|
| Cooling Only                   |           |                |                |                |                |  |  |  |
|                                |           | Syst           | tem            |                |                |  |  |  |
| Size                           |           | 12             | 12             | 18             | 24             |  |  |  |
| Outdoor Model                  |           | DLCERAA12AAJ   | DLCERAA12AAK   | DLCERAA18AAK   | DLCERAA24AAK   |  |  |  |
|                                |           | Elect          | rical          |                |                |  |  |  |
| Voltage-Phase-Cycle            | V-Ph-Hz   | 115-1-60       | 208/230-1-60   | 208/230-1-60   | 208/230-1-60   |  |  |  |
| MCA                            | A.        | 13             | 7              | 11             | 16             |  |  |  |
| MOCP - Fuse Rating             | A.        | 20             | 15             | 15             | 25             |  |  |  |
|                                |           | Operatin       | g Range        |                |                |  |  |  |
| Cooling Outdoor DB Min - Max   | ° F (° C) | 0~122 (-17~50) | 0~122 (-17~50) | 0~122 (-17~50) | 0~122 (-17~50) |  |  |  |
|                                |           | Pipi           | ing            |                |                |  |  |  |
| Total Piping Length            | ft (m)    | 82 (25)        | 82 (25)        | 98 (30)        | 164 (50)       |  |  |  |
| Piping Lift*                   | ft (m)    | 33 (10)        | 33 (10)        | 66 (20)        | 66 (20)        |  |  |  |
| Pipe Connection Size - Liquid  | in (mm)   | 1/4 (6.35)     | 1/4 (6.35)     | 1/4 (6.35)     | 3/8 (9.52)     |  |  |  |
| Pipe Connection Size - Suction | in (mm)   | 1/2 (12.7)     | 1/2 (12.7)     | 1/2 (12.7)     | 5/8 (16)       |  |  |  |
|                                |           | Refrig         | erant          |                |                |  |  |  |
| Туре                           |           | R410A          | R410A          | R410A          | R410A          |  |  |  |
| Charge                         | lbs (kg)  | 1.30 (0.59)    | 1.30 (0.59)    | 2.09 (0.95)    | 2.64 (1.20)    |  |  |  |
|                                |           | Outd           | loor           |                |                |  |  |  |
| Unit Width                     | in (mm)   | 30.31 (770)    | 30.31 (770)    | 31.50 (800)    | 33.27 (845)    |  |  |  |
| Unit Height                    | in (mm)   | 21.85 (555)    | 21.85 (555)    | 21.81 (554)    | 27.64 (702)    |  |  |  |
| Unit Depth                     | in (mm)   | 11.81 (300)    | 11.81 (300)    | 13.11 (333)    | 14.29 (363)    |  |  |  |
| Net Weight                     | lbs (kg)  | 57.8 (26.2)    | 53.8 (24.4)    | 70.1 (31.8)    | 88.6 (40.2)    |  |  |  |
| Airflow                        | CFM       | 1,170          | 1,170          | 1,170          | 1,880          |  |  |  |
| Sound Pressure                 | dB(A)     | 52.0           | 54.0           | 57.0           | 59.5           |  |  |  |

<sup>\*</sup>Condensing unit above or below indoor unit.

| Indoor Unit             |              | Outdoor Unit |              |              |              |  |  |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--|--|
|                         |              | DLCERAA12AAJ | DLCERAA12AAK | DLCERAA18AAK | DLCERAA24AAK |  |  |
|                         | DLFEHAA12XAJ | •            |              |              |              |  |  |
| DI FELIAA III. I. MALII | DLFEHAA12XAK |              | •            |              |              |  |  |
| DLFEHAA High Wall       | DLFEHAA18XAK |              |              | •            |              |  |  |
|                         | DLFEHAA24XAK |              |              |              | •            |  |  |

### DLFEHA HIGH WALL



### **INDOOR FEATURES**

- Available in 115V and 208/230V
- Up to 17.6 SEER and up to 10.6 HSPF when paired with DLCERA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Up-down louver control (fixed or swing)
- Remove filter from the top
- Improved serviceability
- · Four fan speeds
- Sleep Mode
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 29 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

### **COMPATIBLE WITH:**

• DLCERA Outdoor Unit Single Zone

(p 33)

 DLCMRA Outdoor Unit Multi-Zone

(p 45)

## Easy Installation for Maximum Convenience & Comfort

Cooling Only - DLFEHAA

Heat Pump - DLFEHAH

Sizes: 09 / 12 / 18 / 24

### **KEY FEATURES**

### **Improved Serviceability**

Full access to the terminal connections and fan after lifting the front cover of the High Wall for easy installation and service.

### **Convenient Filter Removal**

The filter is located on the inlet, allowing for direct removal from the top of the unit without opening the cover.

### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)





Wired Controller (7-Day Programmable) KSACN0401AAA

Wireless Remote Controller

### **ACCESSORIES**

Wi-Fi® Kit



Wi-Fi® High Wall Entry Tier 9/12/24 KSAIF0101AAA Wi-Fi® High Wall Entry Tier 18k Only KSAIF0201AAA

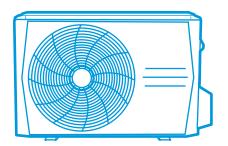
| DLFEHAA High Wall                                  |              |                 |                    |                     |                 |  |  |  |
|--|--------------|-----------------|--------------------|---------------------|-----------------|--|--|--|
|  | Cooling Only |                 |                    |                     |                 |  |  |  |
|  |              | System          |                    |                     |                 |  |  |  |
| Size   |              | 12              | 12                 | 18                  | 24              |  |  |  |
| Indoor Model                                       |              | DLFEHAA12XAJ    | DLFEHAA12XAK       | DLFEHAA18XAK        | DLFEHAA24XAK    |  |  |  |
|  |              | Electrical      |                    |                     |                 |  |  |  |
| Voltage-Phase-Cycle                                | V-Ph-Hz      | 115-1-60        | 208/230-1-60       | 208/230-1-60        | 208/230-1-60    |  |  |  |
| Power Supply                                       |              |                 | Indoor unit powere | d from outdoor unit |                 |  |  |  |
| MCA  | A.           | 0.3             | 0.25               | 0.4                 | 0.45            |  |  |  |
|  |              | Controls        |                    |                     |                 |  |  |  |
| Wireless Remote Controller (° F / ° C Convertible) |              | Standard        | Standard           | Standard            | Standard        |  |  |  |
| Wired Remote Controller (° F / ° C Convertible)    |              | Optional        | Optional           | Optional            | Optional        |  |  |  |
|  |              | Operating       |                    |                     |                 |  |  |  |
| Cooling Outdoor DB Min - Max                       | ° F (° C)    | 63~90 (17~32)   | 63~90 (17~32)      | 63~90 (17~32)       | 63~90 (17~32)   |  |  |  |
|  |              | Piping          |                    |                     |                 |  |  |  |
| Pipe Connection Size - Liquid                      | in (mm)      | 1/4 (6.35)      | 1/4 (6.35)         | 1/4 (6.35)          | 3/8 (9.52)      |  |  |  |
| Pipe Connection Size - Suction                     | in (mm)      | 1/2 (12.7)      | 1/2 (12.7)         | 1/2 (12.7)          | 5/8 (16)        |  |  |  |
|  |              | Indoor          |                    |                     | 1               |  |  |  |
| Unit Width   | in (mm)      | 32.00 (813)     | 32.00 (813)        | 38.36 (974)         | 43.83 (1113)    |  |  |  |
| Unit Height  | in (mm)      | 11.81 (300)     | 11.81 (300)        | 12.8 (325)          | 13.41 (341)     |  |  |  |
| Unit Depth   | in (mm)      | 7.75 (197)      | 7.75 (197)         | 8.87 (225)          | 9.22 (234)      |  |  |  |
| Net Weight   | lbs (kg)     | 17.64 (8)       | 17.64 (8)          | 23.15 (10.5)        | 30.86 (14)      |  |  |  |
| Number of Fan Speeds                               |              | 4               | 4                  | 4                   | 4               |  |  |  |
| Airflow (lowest to highest)                        | CFM          | 190/239/301/328 | 188/238/305        | 344/422/506/550     | 420/514/609/640 |  |  |  |
| Sound Pressure (lowest to highest)                 | dB(A)        | 29/36/41/42     | 28/35/40/42        | 34/39/43/45         | 39/44/49/49     |  |  |  |
| Air Throw Data                                     | ft (m)       | 22 (6.7)        | 22 (6.7)           | 24 (7.3)            | 39.4 (12)       |  |  |  |
| Moisture Removal                                   | Pint/h (L/h) | 3.17 (1.50)     | 3.09 (1.46)        | 4.61 (2.18)         | 6.38 (3.02 )    |  |  |  |
| Field Drain Pipe Size O.D.                         | in (mm)      | 0.625 (16)      | 0.625 (16)         | 0.625 (16)          | 0.625 (16)      |  |  |  |

<sup>\*</sup>Compatibility tables on next page.

| DLFEHAH High Wall                                  |                 |                 |                 |                    |                 |                 |  |  |
|--|-----------------|-----------------|-----------------|--------------------|-----------------|-----------------|--|--|
| Heat Pump  |                 |                 |                 |                    |                 |                 |  |  |
|  | System          |                 |                 |                    |                 |                 |  |  |
| Size   |                 | 12              | 9               | 12                 | 18              | 24              |  |  |
| Indoor Model                                       |                 | DLFEHAH12XAJ    | DLFEHAH09XAK    | DLFEHAH12XAK       | DLFEHAH18XAK    | DLFEHAH24XAK    |  |  |
|  |                 |                 | Electrical      |                    |                 |                 |  |  |
| Voltage-Phase-Cycle                                | V-Ph-Hz         | 115-1-60        | 208/230-1-60    | 208/230-1-60       | 208/230-1-60    | 208/230-1-60    |  |  |
| Power Supply                                       |                 |                 | Indoor un       | it powered from ou | tdoor unit      |                 |  |  |
| MCA  | A.              | 0.3             | 0.25            | 0.25               | 0.28            | 0.45            |  |  |
|  |                 |                 | Controls        |                    |                 |                 |  |  |
| Wireless Remote Controller (° F / ° C Convertible) |                 | Standard        | Standard        | Standard           | Standard        | Standard        |  |  |
| Wired Remote Controller (° F / ° C Convertible)    |                 | Optional        | Optional        | Optional           | Optional        | Optional        |  |  |
|  |                 | C               | perating        |                    |                 |                 |  |  |
| Cooling Indoor DB Min - Max                        | ° F (° C)       | 63~90 (17~32)   | 63~90 (17~32)   | 63~90 (17~32)      | 63~90 (17~32)   | 63~90 (17~32)   |  |  |
| Heating Indoor<br>DB Min -Max                      | ° F (° C)       | 32~86 (0~30)    | 32~86 (0~30)    | 32~86 (0~30)       | 32~86 (0~30)    | 32~86 (0~30)    |  |  |
|  |                 |                 | Piping          |                    |                 |                 |  |  |
| Pipe Connection Size - Liquid                      | in (mm)         | 1/4 (6.35)      | 1/4 (6.35)      | 1/4 (6.35)         | 1/4 (6.35)      | 3/8 (9.52)      |  |  |
| Pipe Connection Size - Suction                     | in (mm)         | 1/2 (12.7)      | 3/8 (9.52)      | 1/2 (12.7)         | 1/2 (12.7)      | 5/8 (16)        |  |  |
|  |                 |                 | Indoor          |                    |                 |                 |  |  |
| Unit Width   | in (mm)         | 32.00 (813)     | 28.53 (725)     | 32.00 (813)        | 38.36 (974)     | 43.83 (1113)    |  |  |
| Unit Height  | in (mm)         | 11.81 (300)     | 11.81 (300)     | 11.81 (300)        | 12.8 (325)      | 13.41 (341)     |  |  |
| Unit Depth   | in (mm)         | 7.75 (197)      | 7.75 (197)      | 7.75 (197)         | 8.87 (225)      | 9.22 (234)      |  |  |
| Net Weight   | lbs (kg)        | 22.49 (10.2)    | 21.16 (9.6)     | 22.49 (10.2)       | 31.97 (14.5)    | 40.12 (18.2)    |  |  |
| Number of Fan Speeds                               | ı               | 4               | 4               | 4                  | 4               | 4               |  |  |
| Airflow (lowest to highest)                        | CFM             | 200/265/306/329 | 165/229/271/324 | 212/282/324/353    | 353/412/529/559 | 353/483/589/647 |  |  |
| Sound Pressure (lowest to highest)                 | dB(A)           | 29/38/42/42     | 31/36/40/42     | 34/39/41/43        | 34/39/44/46     | 38/42/48/49     |  |  |
| Air Throw Data                                     | ft (m)          | 22 (6.7)        | 20.3 (6.2)      | 22.6 (6.9)         | 25 (7.6)        | 37.7 (11.5)     |  |  |
| Moisture Removal                                   | Pint/h<br>(L/h) | 3.49 (1.65)     | 2.05 (0.97)     | 3.38 (1.6)         | 4.63 (2.19)     | 5.73 (2.71)     |  |  |
| Field Drain Pipe Size O.D.                         | in (mm)         | 0.625 (16)      | 0.625 (16)      | 0.625 (16)         | 0.625 (16)      | 0.625 (16)      |  |  |

 $<sup>\</sup>hbox{$^*$Compatibility tables on next page}.$ 



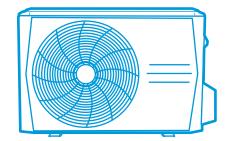


### **COMPATIBILITY:**

| Cooling Only              |              |              |              |              |  |  |  |  |
|---------------------------|--------------|--------------|--------------|--------------|--|--|--|--|
| Indoor Unit               | DLFEHAA12XAJ | DLFEHAA12XAK | DLFEHAA18XAK | DLFEHAA24XAK |  |  |  |  |
| Outdoor Unit Single Zone* | DLCERAA12AAJ | DLCERAA12AAK | DLCERAA18AAK | DLCERAA24AAK |  |  |  |  |
| Outdoor Unit Multi-Zone*  |              |              |              |              |  |  |  |  |

 $<sup>^{\</sup>star}$ Performance may vary based on the compatible outdoor units. See respective pages for performance data.





| Heat Pump                 |              |              |              |              |              |  |  |  |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--|--|--|
| Indoor Unit               | DLFEHAH12XAJ | DLFEHAH09XAK | DLFEHAH12XAK | DLFEHAH18XAK | DLFEHAH24XAK |  |  |  |
| Outdoor Unit Single Zone* | DLCERAH12AAJ | DLCERAH09AAK | DLCERAH12AAK | DLCERAH18AAK | DLCERAH24AAK |  |  |  |
|                           |              | DLCMRAH18BAK |              |              |              |  |  |  |
| Outdoor Unit Multi-Zone*  |              |              |              |              |              |  |  |  |
| Outdoor Offit Multi-Zone  |              | DLCMRAH36DAK |              |              |              |  |  |  |
|                           |              |              | DLCMRA       | NH48EAK      |              |  |  |  |

 $<sup>{}^*\!</sup>Performance\ may\ vary\ based\ on\ the\ compatible\ outdoor\ units.\ See\ respective\ pages\ for\ performance\ data.$ 





### MULTI-ZONE







DLCMRA Outdoor Unit Up to 21.4 SEER Sizes: 18 / 27 / 36 / 48

### DI CMRA OUTDOOR UNIT







### **OUTDOOR FEATURES**

- Available in 208/230V
- Connect 2 5, multiple style indoor units
- Built-in basepan heater
- Quiet outdoor operation, as low as 62 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Total piping length 131~328 ft. (40 ~ 100 m.)
- Vertical lift/prop piping length 49~65 ft. (15 ~ 20 m.)
- Cooling operating range
   -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range
   -22° ~ 86° F (-30° ~ 30° C)

### **COMPATIBLE WITH:**

| DLFPHA High Wall | (p 17) |
|------------------|--------|
| DLFSHA High Wall | (p 23) |
| DLFEHA High Wall | (p 37) |
| DLFSCA Cassette  | (p 25) |
| DLFSDA Ducted    | (p 27) |
| DI ESEA Console  | (p 29) |

### A Multi-Zone Outdoor Unit for Flexibility & Control

### **Heat Pump with Basepan Heater**

**Inverter Compressor** 

Up to 21.4 SEER

Up to 10.8 HSPF

Sizes: 18 / 27 / 36 / 48

Select Systems are ENERGY STAR® certified based on indoor combinations

### KEY FEATURES

### **Space Saving Installation**

Up to five indoor units can be connected to a single outdoor unit, reducing the number of outdoor units required. All indoor units can be individually controlled and do not need to be installed at the same time.

### **Multiple Indoor Unit Styles**

Flexibility on the options of indoor unit styles to fit any application or need.

**Note:** Multi-Zone units cannot heat and cool simultaneously.

|                                 |           | Di               | LCMRA Outdoor Unit              |                               |                               |
|---------------------------------|-----------|------------------|---------------------------------|-------------------------------|-------------------------------|
|                                 |           |                  | Heat Pump                       |                               |                               |
| Size                            |           | 18               | 27                              | 36                            | 48                            |
| Outdoor Model                   |           | DLCMRAH18BAK     | DLCMRAH27CAK                    | DLCMRAH36DAK                  | DLCMRAH48EAK                  |
| Max Number of Zones             |           | 2                | 3                               | 4                             | 5                             |
|                                 |           | Peri             | formance Non-Ducted             | - L                           |                               |
| ENERGY STAR®                    |           | YES              | NO                              | NO                            | NO                            |
| Cooling System Tons             |           | 1.4              | 2.3                             | 3.0                           | 4.0                           |
| Cooling Rated Capacity          | Btu/h     | 17,000           | 27,000                          | 36,000                        | 48,000                        |
| Cooling Cap. Range Min - Max    | Btu/h     | 5,810~21,940     | 7,880~33,510                    | 8,090~41,470                  | 8,560~53,160                  |
| SEER                            |           | 21.1             | 20.4                            | 21.4                          | 20.5                          |
| EER                             |           | 12.5             | 11.5                            | 10.5                          | 11                            |
| Heating Rated Capacity (47° F)  | Btu/h     | 18,000           | 27,000                          | 36,000                        | 48,000                        |
| Heating Maximum Capacity (5° F) | Btu/h     | 13,800           | 22,700                          | 26,200                        | 37,900                        |
| Heating Cap. Range Min - Max    | Btu/h     | 5,760~24,480     | 6,010~36,180                    | 6,350~41,950                  | 7,210~55,820                  |
| HSPF                            |           | 9.7              | 10.8                            | 10.2                          | 10.2                          |
| COP (47° F)                     | W/W       | 3.5              | 4.0                             | 3.7                           | 3.5                           |
| COP (5° F)                      | W/W       | 2.7              | 3.4                             | 2.7                           | 2.8                           |
| (= -/                           | *****     |                  | mbination Ducted and Non-Ducted |                               |                               |
| ENERGY STAR®                    |           | NO NO            | NO                              | NO                            | NO                            |
| Cooling System Tons             |           | 1.5              | 2.3                             | 3.0                           | 4.0                           |
| Cooling Rated Capacity          | Btu/h     | 17,500           | 27,000                          | 36,000                        | 48,000                        |
| Cooling Cap. Range Min - Max    | Btu/h     | 5,795~20,708     | 7,765~31,955                    | 8,060~39,990                  | 8,510~52,580                  |
| SEER                            | Dia/II    | 19.8             | 19.5                            | 19.7                          | 19.1                          |
| EER                             |           | 12.2             | 11.3                            | 10.3                          | 10.6                          |
| Heating Rated Capacity (47° F)  | Btu/h     | 18,250           | 27,000                          | 36,000                        | 49,000                        |
| Heating Maximum Capacity (5° F) | Btu/h     | 14,100           | 21,850                          | 27,300                        | 37,350                        |
| Heating Cap. Range Min - Max    | Btu/h     | 5,650~24,365     | 5,980~36,190                    | 6,275~42,305                  | 7,045~54,935                  |
| HSPF                            | Dtu/II    | 9.6              | 9.9                             | 10.0                          | 10.2                          |
|                                 | W/W       | 3.7              |                                 |                               | 3.5                           |
| COP (47° F)                     | W/W       | 2.4              | 3.8                             | 3.5                           |                               |
| COP (5° F)                      | VV/VV     |                  | 3.0                             | 2.0                           | 2.3                           |
| ENEDGY CTAD®                    |           |                  | erformance Ducted               | NO                            | NO                            |
| ENERGY STAR®                    |           | NO               | NO NO                           | NO                            | NO NO                         |
| Cooling System Tons             | 5         | 1.5              | 2.3                             | 3.0                           | 4.0                           |
| Cooling Rated Capacity          | Btu/h     | 18,000           | 27,000                          | 36,000                        | 48,000                        |
| Cooling Cap. Range Min - Max    | Btu/h     | 5,780~19,476     | 7,650~30,400                    | 8,030~38,510                  | 8,460~52,000                  |
| SEER                            |           | 18.4             | 18.5                            | 17.9                          | 17.6                          |
| EER                             | l         | 11.8             | 11.0                            | 10.0                          | 10.1                          |
| Heating Rated Capacity (47° F)  | Btu/h     | 18,500           | 27,000                          | 36,000                        | 50,000                        |
| Heating Maximum Capacity (5° F) | Btu/h     | 14,400           | 21,000                          | 28,400                        | 36,800                        |
| Heating Cap. Range Min - Max    | Btu/h     | 5,539~24,249     | 5,950~36,200                    | 6,200~42,660                  | 6,880~54,050                  |
| HSPF                            | T         | 9.4              | 9.0                             | 9.7                           | 10.1                          |
| COP (47° F)                     | W/W       | 3.8              | 3.5                             | 3.2                           | 3.4                           |
| COP (5° F)                      | W/W       | 2.1              | 2.7                             | 2.5                           | 1.8                           |
|                                 |           |                  | Operating Range                 |                               |                               |
| Cooling Outdoor DB Min - Max    | ° F (° C) | -13~122 (-25~50) | -13~122 (-25~50)                | -13~122 (-25~50)              | -13~122 (-25~50)              |
| Heating Outdoor DB Min - Max    | ° F (° C) | -22~86 (-30~30)  | -22~86 (-30~30)                 | -22~86 (-30~30)               | -22~86 (-30~30)               |
|                                 |           |                  | Piping                          |                               |                               |
| Total Piping Length             | ft (m)    | 131 (40)         | 197 (60)                        | 263 (80)                      | 328 (100)                     |
| Piping to furthest FCU          | ft (m)    | 82 (25)          | 98 (30)                         | 115 (35)                      | 115 (35)                      |
| Drop (OD above ID)              | ft (m)    | 49 (15)          | 49 (15)                         | 49 (15)                       | 65 (20)                       |
| Lift (OD below ID)              | ft (m)    | 49 (15)          | 49 (15)                         | 49 (15)                       | 65 (20)                       |
| Pipe Connection Size - Liquid   | in (mm)   | 1/4*2 (6.35*2)   | 1/4*3 (6.35*3)                  | 1/4*4 (6.35*4)                | 1/4*5 (6.35*5)                |
| Pipe Connection Size - Suction  | in (mm)   | 3/8*2 (9.52*2)   | 3/8*3 (9.52*3)                  | 1/2 *1+ 3/8*3 (12.7*1+9.52*3) | 1/2 *2+ 3/8*3 (12.7*2+9.52*3) |

### DI CMRA OUTDOOR UNIT

### **SPECIFICATIONS:**

| DLCMRA Outdoor Unit |          |              |                    |                     |               |  |  |  |
|---------------------|----------|--------------|--------------------|---------------------|---------------|--|--|--|
| Heat Pump           |          |              |                    |                     |               |  |  |  |
| Outdoor Model       |          | DLCMRAH18BAK | DLCMRAH27CAK       | DLCMRAH36DAK        | DLCMRAH48EAK  |  |  |  |
|                     |          |              | Refrigerant        |                     |               |  |  |  |
| Туре                |          | R410A        | R410A              | R410A               | R410A         |  |  |  |
| Charge              | lbs (kg) | 4.41 (2.0)   | 6.17(2.8)          | 6.61 (3.0)          | 10.13 (4.6)   |  |  |  |
|                     |          |              | Electrical         |                     |               |  |  |  |
| Voltage-Phase-Cycle | V-Ph-Hz  | 208/230-1-60 | 208/230-1-60       | 208/230-1-60        | 208/230-1-60  |  |  |  |
| Power Supply        |          |              | Indoor unit powere | d from outdoor unit |               |  |  |  |
| MCA                 | A.       | 18           | 25                 | 30                  | 35            |  |  |  |
| MOCP - Fuse Rating  | A.       | 25           | 35                 | 45                  | 50            |  |  |  |
|                     |          |              | Outdoor            |                     |               |  |  |  |
| Unit Width          | in (mm)  | 37.31 (948)  | 41.22 (1047)       | 41.22 (1047)        | 41.15 (1045)  |  |  |  |
| Unit Height         | in (mm)  | 27.64 (702)  | 31.88 (810)        | 31.88 (810)         | 52.48 (1333)  |  |  |  |
| Unit Depth          | in (mm)  | 14.82 (376)  | 17.91 (455)        | 17.91 (455)         | 17.63 (448)   |  |  |  |
| Net Weight          | lbs (kg) | 105.8 (48)   | 149.9 (68)         | 156.5 (71)          | 223.8 (101.5) |  |  |  |
| Airflow             | CFM      | 1,390        | 2,130              | 2,130               | 4,500         |  |  |  |
| Sound Pressure      | dB(A)    | 62           | 63                 | 62                  | 64            |  |  |  |

|                   | Indoor Unit   |              | Outdo        |              |              |  |
|-------------------|---------------|--------------|--------------|--------------|--------------|--|
|                   | Illuoor offit | DLCMRAH18BAK | DLCMRAH27CAK | DLCMRAH36DAK | DLCMRAH48EAK |  |
| DI FDUA High Woll | DLFPHAH09XAK  | •            | •            | •            | •            |  |
| DLFPHA High Wall  | DLFPHAH12XAK  | •            | •            | •            | •            |  |
|                   | DLFSHAH09XAK  | •            | •            | •            | •            |  |
| DLFSHA High Wall  | DLFSHAH12XAK  | •            | •            | •            | •            |  |
| DEFORA HIGH Wall  | DLFSHAH18XAK  |              | •            | •            | •            |  |
|                   | DLFSHAH24XAK  |              |              | •            | •            |  |
|                   | DLFEHAH09XAK  | •            | •            | •            | •            |  |
| DLFEHA High Wall  | DLFEHAH12XAK  | •            | •            | •            | •            |  |
| DEFENA HIGH Wall  | DLFEHAH18XAK  |              | •            | •            | •            |  |
|                   | DLFEHAH24XAK  |              |              | •            | •            |  |
|                   | DLFSCAH09XAK  | •            | •            | •            | •            |  |
| DLFSCA Cassette   | DLFSCAH12XAK  | •            | •            | •            | •            |  |
| DLF30A Gasselle   | DLFSCAH18XAK  |              | •            | •            | •            |  |
|                   | DLFSCAH24XAK  |              |              | •            | •            |  |
|                   | DLFSDAH09XAK  | •            | •            | •            | •            |  |
| DLFSDA Ducted     | DLFSDAH12XAK  | •            | •            | •            | •            |  |
| DEFSDA Ducted     | DLFSDAH18XAK  |              | •            | •            | •            |  |
|                   | DLFSDAH24XAK  |              |              | •            | •            |  |
|                   | DLFSFAH12XAK  | •            | •            | •            | •            |  |
| DLFSFA Console    | DLFSFAH18XAK  |              | •            | •            | •            |  |
|                   | DLFSFAH24XAK  |              |              | •            | •            |  |

### **COMBINATION CHART:**

| Outdoor Unit Model | 2-Zone | 3-Zone   | 4-Zone      | 5-Zone         |
|--------------------|--------|----------|-------------|----------------|
|                    | 9+9    |          |             |                |
| DLCMRAH18BAK       | 9+12   |          |             |                |
|                    | 12+12  |          |             |                |
|                    | 9+9    | 9+9+9    |             |                |
|                    | 9+12   | 9+9+12   |             |                |
|                    | 9+18   | 9+9+18   |             |                |
| DLCMRAH27CAK       | 12+12  | 9+12+12  |             |                |
|                    | 12+18  | 12+12+12 |             |                |
|                    | 18+18  |          |             |                |
|                    | 9+9    | 9+9+9    | 9+9+9+9     |                |
|                    | 9+12   | 9+9+12   | 9+9+9+12    |                |
|                    | 9+18   | 9+9+18   | 9+9+9+18    |                |
|                    | 9+24   | 9+9+24   | 9+9+12+12   |                |
|                    | 12+12  | 9+12+12  | 9+9+12+18   |                |
| DLCMRAH36DAK       | 12+18  | 9+12+18  | 9+12+12+12  |                |
|                    | 12+24  | 9+18+18  | 12+12+12+12 |                |
|                    | 18+18  | 12+12+12 |             |                |
|                    |        | 12+12+18 |             |                |
|                    |        | 12+18+18 |             |                |
|                    |        | 12+12+24 |             |                |
|                    | 9+18   | 9+9+9    | 9+9+9+9     | 9+9+9+9+9      |
|                    | 9+24   | 9+9+12   | 9+9+9+12    | 9+9+9+9+12     |
|                    | 12+12  | 9+9+18   | 9+9+9+18    | 9+9+9+9+18     |
|                    | 12+18  | 9+9+24   | 9+9+9+24    | 9+9+9+9+24     |
|                    | 12+24  | 9+12+12  | 9+9+12+12   | 9+9+9+12+12    |
|                    | 18+18  | 9+12+18  | 9+9+12+18   | 9+9+9+12+18    |
|                    | 18+24  | 9+12+24  | 9+9+12+24   | 9+9+9+18+18    |
|                    | 24+24  | 9+18+18  | 9+9+18+18   | 9+9+12+12+12   |
| DLCMRAH48EAK       |        | 9+18+24  | 9+9+18+24   | 9+9+12+12+18   |
|                    |        | 9+24+24  | 9+12+12+12  | 9+12+12+12+12  |
|                    |        | 12+12+12 | 9+12+12+18  | 9+12+12+12+18  |
|                    |        | 12+12+18 | 9+12+12+24  | 12+12+12+12+12 |
|                    |        | 12+12+24 | 9+12+18+18  |                |
|                    |        | 12+18+18 | 9+18+18+18  |                |
|                    |        | 12+18+24 | 12+12+12+12 |                |
|                    |        | 12+24+24 | 12+12+12+18 |                |
|                    |        | 18+18+18 | 12+12+12+24 |                |
|                    |        | 18+18+24 | 12+12+18+18 |                |

Up to five indoor units can be connected to a single outdoor unit, reducing the number of outdoor units required.

### SINGLE ZONE LIGHT COMMERCIAL





DLCLRA Outdoor Unit Up to 18.0 SEER Sizes: 36 / 48 / 58



**DLFLCA Cassette** Sizes: 36 / 48



DLFLDA Ducted Sizes: 36 / 48 / 58



DLFLFA Console Sizes: 36 / 48 / 58

### **ADVANTAGE SERIES**

### DLCLRA OUTDOOR UNIT



### **OUTDOOR FEATURES**

- Available in 208/230V
- Built-in basepan heater
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 62.5 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 213 ft. (65 m.)
- Cooling operating range
   -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range
   -22° ~ 86° F (-30° ~ 30° C)

### **COMPATIBLE WITH:**

DLFLCA Cassette (p 55)
 DLFLDA Ducted (p 57)
 DLFLFA Console (p 59)

# A Light Commercial Outdoor Unit for Improved Performance

**Inverter Compressor** 

Up to 18.0 SEER

Up to 11.5 HSPF

Sizes: 36 / 48 / 58

### **KEY FEATURES**

### **Longer Piping Lengths**

Piping flexibility up to a total piping length of 213 ft. (65 m.).

### **Low Ambient Cooling Kit**

With a built-in Low Ambient Cooling Kit or specially designed PCB, outdoor fan speeds can be changed automatically based on the temperature. The unit can run cooling operation even in low ambient temperatures.



### **PERFORMANCE:**

| DLFLCA Cassette                 |       |              |               |  |  |  |  |
|---------------------------------|-------|--------------|---------------|--|--|--|--|
| Indoor Model                    |       | DLFLCAH36XAK | DLFLCAH48XAK  |  |  |  |  |
| ENERGY STAR®                    |       | NO           | NO            |  |  |  |  |
| Cooling System Tons             |       | 3.0          | 4.0           |  |  |  |  |
| Cooling Rated Capacity          | Btu/h | 36,000       | 48,000        |  |  |  |  |
| Cooling Cap. Range Min - Max    | Btu/h | 8,500~38,000 | 9,000~50,000  |  |  |  |  |
| SEER                            |       | 17.5         | 16.8          |  |  |  |  |
| EER                             |       | 9.0          | 9.5           |  |  |  |  |
| Heating Rated Capacity (47° F)  | Btu/h | 38,000       | 50,000        |  |  |  |  |
| Heating Rated Capacity (17° F)  | Btu/h | 25,200       | 35,000        |  |  |  |  |
| Heating Maximum Capacity (5° F) | Btu/h | 25,300       | 34,000        |  |  |  |  |
| Heating Cap. Range Min - Max    | Btu/h | 9,500~50,000 | 10,000~55,000 |  |  |  |  |
| HSPF                            |       | 10.5         | 11.0          |  |  |  |  |
| COP (47° F)                     | W/W   | 3            | 3.6           |  |  |  |  |
| COP (17° F)                     | W/W   | 2.46         | 2.62          |  |  |  |  |
| COP (5° F)                      | W/W   | 1.71         | 1.84          |  |  |  |  |



| DLFLDA Ducted                   |                 |              |                            |               |  |  |  |  |
|---------------------------------|-----------------|--------------|----------------------------|---------------|--|--|--|--|
| Indoor Model                    |                 | DLFLDAH36XAK | DLFLDAH48XAK               | DLFLDAH58XAK  |  |  |  |  |
| ENERGY STAR®                    |                 | NO NO        | NO                         | NO            |  |  |  |  |
| Cooling System Tons             |                 | 3.0          | 4.0                        | 4.8           |  |  |  |  |
| Cooling Rated Capacity          | Btu/h           | 36,000       | 48,000                     | 57,000        |  |  |  |  |
| Cooling Cap. Range Min - Max    | Btu/h           | 8,500~38,000 | 9,000~50,000               | 18,000-58,000 |  |  |  |  |
| SEER                            |                 | 16.5         | 16.5 17.4                  |               |  |  |  |  |
| EER                             |                 | 9            | 9.2                        | 10.0          |  |  |  |  |
| Heating Rated Capacity (47° F)  | Btu/h           | 40,000       | 49,500                     | 62,000        |  |  |  |  |
| Heating Rated Capacity (17° F)  | Btu/h           | 27,600       | 37,600                     |               |  |  |  |  |
| Heating Maximum Capacity (5° F) | Btu/h           | 25,300       | 35,000                     |               |  |  |  |  |
| Heating Cap. Range Min - Max    | Btu/h           | 9,500~50,000 | 9,500~50,000 10,000~55,000 |               |  |  |  |  |
| HSPF                            |                 | 11.5         | 10.3                       | 9.0           |  |  |  |  |
| COP (47° F)                     | W/W             | 3            | 3.6                        | 3.6           |  |  |  |  |
| COP (17° F)                     | COP (17° F) W/W |              | 2.62                       | 2.62          |  |  |  |  |
| COP (5° F)                      | W/W             | 1.71         |                            |               |  |  |  |  |

### DI CI RA OUTDOOR UNIT



### **PERFORMANCE:**

| DLFLFA Console                 |       |              |               |               |  |  |  |  |
|--------------------------------|-------|--------------|---------------|---------------|--|--|--|--|
| Indoor Model                   |       | DLFLFAH36XAK | DLFLFAH48XAK  | DLFLFAH58XAK  |  |  |  |  |
| ENERGY STAR®                   |       | NO           | NO            | NO            |  |  |  |  |
| Cooling System Tons            |       | 3.0          | 4.0           | 4.5           |  |  |  |  |
| Cooling Rated Capacity         | Btu/h | 36,000       | 48,000        | 54,000        |  |  |  |  |
| Cooling Cap. Range Min - Max   | Btu/h | 8,500~38,000 | 9,000~50,000  | 18,000-58,000 |  |  |  |  |
| SEER                           |       | 16.0         | 17.8          | 18.0          |  |  |  |  |
| EER                            |       | 8.0          | 9.3           | 9.8           |  |  |  |  |
| Heating Rated Capacity (47° F) | Btu/h | 38,000       | 50,000        | 60,000        |  |  |  |  |
| Heating Rated Capacity (17° F) | Btu/h | 25,400       | 35,000        | 39,000        |  |  |  |  |
| Heating Capacity (5° F)        | Btu/h | 25,300       | 34,000        | 35,000        |  |  |  |  |
| Heating Cap. Range Min - Max   | Btu/h | 9,500~50,000 | 10,000~55,000 | 12,000-63,000 |  |  |  |  |
| HSPF                           |       | 10.0         | 11.0          | 10.5          |  |  |  |  |
| COP (47° F)                    | W/W   | 3            | 3.6           | 3.6           |  |  |  |  |
| COP (17° F) W/W                |       | 2.46         | 2.62          | 2.62          |  |  |  |  |
| COP (5° F)                     | W/W   | 1.71         | 1.84          | 1.91          |  |  |  |  |

| Indoor Unit      |              | Outdoor Unit |              |              |  |  |  |
|------------------|--------------|--------------|--------------|--------------|--|--|--|
|                  |              | DLCLRAH36AAK | DLCLRAH48AAK | DLCLRAH58AAK |  |  |  |
| DLFLCA Cassette  | DLFLCAH36XAK | •            |              |              |  |  |  |
| DLI LUA Gassette | DLFLCAH48XAK |              | •            |              |  |  |  |
|                  | DLFLDAH36XAK | •            |              |              |  |  |  |
| DLFLAD Ducted    | DLFLDAH48XAK |              | •            |              |  |  |  |
|                  | DLFLDAH58XAK |              |              | •            |  |  |  |
|                  | DLFLFAH36XAK | •            |              |              |  |  |  |
| DLFLFA Console   | DLFLFAH48XAK |              | •            |              |  |  |  |
|                  | DLFLFAH58XAK |              |              | •            |  |  |  |



| DLCLRA Outdoor Unit            |           |                  |                  |                  |  |  |  |  |  |
|--------------------------------|-----------|------------------|------------------|------------------|--|--|--|--|--|
| Heat Pump                      |           |                  |                  |                  |  |  |  |  |  |
| System                         |           |                  |                  |                  |  |  |  |  |  |
| Size                           |           | 36               | 48               | 58               |  |  |  |  |  |
| Outdoor Model                  |           | DLCLRAH36AAK     | DLCLRAH48AAK     | DLCLRAH58AAK     |  |  |  |  |  |
| Electrical                     |           |                  |                  |                  |  |  |  |  |  |
| Voltage-Phase-Cycle            | V-Ph-Hz   | 208/230-1-60     | 208/230-1-60     | 208/230-1-60     |  |  |  |  |  |
| MCA                            | A.        | 30               | 35               | 35               |  |  |  |  |  |
| MOCP - Fuse Rating             | A.        | 50               | 50               | 50               |  |  |  |  |  |
|                                |           | Operating Range  |                  |                  |  |  |  |  |  |
| Cooling Outdoor DB Min - Max   | ° F (° C) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) |  |  |  |  |  |
| Heating Outdoor DB Min - Max   | ° F (° C) | -22~86 (-30~30)  | -22~86 (-30~30)  | -22~86 (-30~30)  |  |  |  |  |  |
|                                |           | Piping           |                  |                  |  |  |  |  |  |
| Total Piping Length            | ft (m)    | 213 (65)         | 213 (65)         | 213 (65)         |  |  |  |  |  |
| Piping Lift*                   | ft (m)    | 98 (30)          | 98 (30)          | 98 (30)          |  |  |  |  |  |
| Pipe Connection Size - Liquid  | in (mm)   | 3/8 (9.52)       | 3/8 (9.52)       | 3/8 (9.52)       |  |  |  |  |  |
| Pipe Connection Size - Suction | in (mm)   | 5/8 (16)         | 3/4 (19)         |                  |  |  |  |  |  |
|                                |           | Refrigerant      |                  |                  |  |  |  |  |  |
| Туре                           |           | R410A            | R410A            | R410A            |  |  |  |  |  |
| Charge                         | lbs (kg)  | 6.72 (3.05)      | 9.26 (4.2)       | 10.19 (4.62)     |  |  |  |  |  |
|                                |           | Outdoor          |                  |                  |  |  |  |  |  |
| Unit Width                     | in (mm)   | 37.24 (946)      | 37.48 (952)      | 37.48 (952)      |  |  |  |  |  |
| Unit Height                    | in (mm)   | 31.89 (810)      | 52.48 (1333)     | 52.48 (1333)     |  |  |  |  |  |
| Unit Depth                     | in (mm)   | 16.14 (410)      | 16.34 (415)      | 5) 16.34 (415)   |  |  |  |  |  |
| Net Weight                     | lbs (kg)  | 148.59 (67.4)    | 217.4 (98.6)     | 225.09 (102.1)   |  |  |  |  |  |
| Airflow                        | CFM       | 2,130            | 4,500            | 4,415            |  |  |  |  |  |
| Sound Pressure                 | dB(A)     | 63.0             | 62.5             | 64.0             |  |  |  |  |  |

<sup>\*</sup>Condensing unit above or below indoor unit.

### DLFLCA CASSETTE



### **INDOOR FEATURES**

- Available in 208/230V
- Up to 17.5 SEER and 11.0 HSPF when paired with DLCLRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Louver control (fixed or swing)
- Three fan speeds
- · Outside air intake
- Built-in condensate lift pump
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 49 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Grille/ceiling panel 3' x 3' P/N KSALG0201AAA

### **COMPATIBLE WITH:**

• DLCLRA Outdoor Unit Single Zone

(p 51)

# Optimal Air Distribution & Light Commercial Comfort Control

Sizes: 36 / 48

### **KEY FEATURES**

### **Built-In Condensate Lift Pump**

The Cassette is supplied with a condensate lift pump that is capable of lifting the water 29.5 in. (750 mm.) above the top of the unit.

### 360° Air Flow Panel

With the 360° air flow panel, air is distributed to every corner of the room.

### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0501AAA (7-Day Programmable)



Wired Controller (7-Day Programmable) KSACN0501AAA



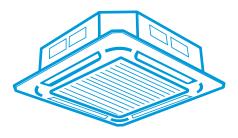
Wireless Remote Controller

### **ACCESSORIES**

Wi-Fi® Kit KSAIF0401AAA



**NOTE:** Grille is required; sold separately.



|                                    |              | DLFLCA Cassette               |               |  |  |  |  |  |
|------------------------------------|--------------|-------------------------------|---------------|--|--|--|--|--|
|                                    |              | Heat Pump                     |               |  |  |  |  |  |
| System                             |              |                               |               |  |  |  |  |  |
| Size                               |              | 36                            | 48            |  |  |  |  |  |
| Indoor Model                       |              | DLFLCAH36XAK                  | DLFLCAH48XAK  |  |  |  |  |  |
|                                    |              | Electrical                    |               |  |  |  |  |  |
| Voltage-Phase-Cycle                | V-Ph-Hz      | 208/230-1-60                  | 208/230-1-60  |  |  |  |  |  |
| Power Supply                       |              | Indoor unit powered from outo | loor unit     |  |  |  |  |  |
| MCA                                | A.           | 0.8                           | 1.6           |  |  |  |  |  |
|                                    |              | Operating Range               |               |  |  |  |  |  |
| Cooling Indoor DB Min - Max        | ° F (° C)    | 63~90 (17~32)                 | 63~90 (17~32) |  |  |  |  |  |
| Heating Indoor DB Min - Max        | ° F (° C)    | 32~86 (0~30)                  | 32~86 (0~30)  |  |  |  |  |  |
|                                    |              | Piping                        |               |  |  |  |  |  |
| Pipe Connection Size - Liquid      | in (mm)      | 3/8 (9.52)                    | 3/8 (9.52)    |  |  |  |  |  |
| Pipe Connection Size - Suction     | in (mm)      | 5/8 (16)                      | 5/8 (16)      |  |  |  |  |  |
|                                    |              | Indoor                        |               |  |  |  |  |  |
| Body Unit Width                    | in (mm)      | 33.07 (840)                   | 33.07 (840)   |  |  |  |  |  |
| Body Unit Height                   | in (mm)      | 9.65 (245)                    | 11.3 (287)    |  |  |  |  |  |
| Body Unit Depth                    | in (mm)      | 33.07 (840)                   | 33.07 (840)   |  |  |  |  |  |
| Body Net Weight                    | lbs (kg)     | 58.2 (26.4)                   | 63.27 (28.7)  |  |  |  |  |  |
| Panel Unit Width                   |              | 37.4 (950)                    | 37.4 (950)    |  |  |  |  |  |
| Panel Unit Height                  | in (mm)      | 2.17 (55)                     | 2.17 (55)     |  |  |  |  |  |
| Panel Unit Depth                   | in (mm)      | 37.4 (950)                    | 37.4 (950)    |  |  |  |  |  |
| Panel Net Weight                   | lbs (kg)     | 11.02 (5)                     | 11.02 (5)     |  |  |  |  |  |
| Number of Fan Speeds               |              | 3                             | 3             |  |  |  |  |  |
| Airflow (lowest to highest)        | CFM          | 809/958/1095                  | 853/1030/1177 |  |  |  |  |  |
| Sound Pressure (lowest to highest) | dB(A)        | 49/52/55                      | 49/52/55      |  |  |  |  |  |
| Air Throw Data                     | ft (m)       | 30 (9)                        | 30 (9)        |  |  |  |  |  |
| Moisture Removal                   | Pint/h (L/h) | 8.53 (4.04)                   | 13.5 (6.39)   |  |  |  |  |  |
| Field Drain Pipe Size O.D.         | in (mm)      | 1 (25.4)                      | 1 (25.4)      |  |  |  |  |  |

| Indoor Unit               | DLFLCAH36XAK | DLFLCAH48XAK |
|---------------------------|--------------|--------------|
| Outdoor Unit Single Zone* | DLCLRAH36AAK | DLCLRAH48AAK |

 $<sup>{}^{\</sup>star}$ Performance may vary based on the compatible outdoor units. See respective pages for performance data.

### **ADVANTAGE SERIES**

**DLFLDA DUCTED** 



### **INDOOR FEATURES**

- Available in 208/230V
- Up to 18.0 SEER and 11.5 HSPF when paired with DLCLRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical (sizes 36 & 48) or horizontal installation
- Up to 0.8 in WG
- Rear or bottom return (sizes 36 & 48)
- Constant CFM operation on sizes 36 & 48 only
- Built-in condensate lift pump
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 38.5 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

### **COMPATIBLE WITH:**

 DLCLRA Outdoor Unit Single Zone

(p 51)

# Maximum Flexibility & Light Commercial Performance

Sizes: 36 / 48 / 58

### **KEY FEATURES**

### **Vertical or Horizontal Installation**

Designed for maximum installation flexibility with the built-in secondary drain pan, which allows the unit to be mounted vertically for either a floor- or ceiling-concealed installation depending on existing conditions for sizes 36 and 48 only.

### **Built-In Condensate Lift Pump**

Supplied with a condensate lift pump that is capable of lifting the water 29.5 in. (750 mm.) above the top of the unit.

### **CONTROLS**

Wireless Remote Controller included with indoor unit

Wired Remote Controller (7-Day Programmable) included with indoor unit





Wired Controller (7-Day Programmable) KSACN0501AAA Wireless Remote Controller

### **ACCESSORIES**

Wi-Fi® Kit KSAIF0401AAA





|                                    |           | DLFLDA Ducted   |                           |                |  |  |  |  |  |
|------------------------------------|-----------|-----------------|---------------------------|----------------|--|--|--|--|--|
|                                    | Heat Pump |                 |                           |                |  |  |  |  |  |
| System                             |           |                 |                           |                |  |  |  |  |  |
| Size                               |           | 36              | 48                        | 58             |  |  |  |  |  |
| Indoor Model                       |           | DLFLDAH36XAK    | DLFLDAH48XAK              | DLFLDAH58XAK   |  |  |  |  |  |
|                                    |           | Electrical      |                           |                |  |  |  |  |  |
| Voltage-Phase-Cycle                | V-Ph-Hz   | 208/230-1-60    | 208/230-1-60              | 208/230-1-60   |  |  |  |  |  |
| Power Supply                       |           | Indoor unit     | powered from outdoor unit |                |  |  |  |  |  |
| MCA                                | A.        | 2.45            | 3.2                       | 3.65           |  |  |  |  |  |
|                                    |           | Operating Range |                           |                |  |  |  |  |  |
| Cooling Indoor DB Min - Max        | ° F (° C) | 63~90 (17~32)   | 63~90 (17~32)             | 63~90 (17~32)  |  |  |  |  |  |
| Heating Indoor DB Min - Max        | ° F (° C) | 32~86 (0~30)    | 32~86 (0~30)              | 32~86 (0~30)   |  |  |  |  |  |
|                                    |           | Piping          |                           |                |  |  |  |  |  |
| Pipe Connection Size - Liquid      | in (mm)   | 3/8 (9.52)      | 3/8 (9.52)                | 3/8 (9.52)     |  |  |  |  |  |
| Pipe Connection Size - Suction     | in (mm)   | 5/8 (16)        | 5/8 (16)                  | 3/4 (19)       |  |  |  |  |  |
|                                    |           | Indoor          |                           |                |  |  |  |  |  |
| Unit Width                         | in (mm)   | 53.54 (1360)    | 47.24 (1200)              | 55.12 (1400)   |  |  |  |  |  |
| Unit Height                        | in (mm)   | 9.8 (249)       | 11.81 (300)               | 17.32 (440)    |  |  |  |  |  |
| Unit Depth                         | in (mm)   | 30.47 (774)     | 34.41 (874)               | 33.78 (858)    |  |  |  |  |  |
| Net Weight                         | lbs (kg)  | 106.48 (48.3)   | 119.71 (54.3)             | 163 (74)       |  |  |  |  |  |
| Number of Fan Speeds               |           | 3               | 3                         | 3              |  |  |  |  |  |
| Airflow (lowest to highest)        | CFM       | 700/910/1080    | 720/1030/1230             | 1260/1710/2150 |  |  |  |  |  |
| Sound Pressure (lowest to highest) | dB(A)     | 38.5/42/45.5    | 46/49.5/50.5              | 51/54/57       |  |  |  |  |  |
| Max. Static Pressure               | in (WG)   | 0.64            | 0.64                      | 0.80           |  |  |  |  |  |
| Field Drain Pipe Size O.D.         | in (mm)   | 1 (25.4)        | 1 (25.4) 1 (25.4)         |                |  |  |  |  |  |

| Indoor Unit               | DLFLDAH36XAK | DLFLDAH48XAK | DLFLDAH58XAK |
|---------------------------|--------------|--------------|--------------|
| Outdoor Unit Single Zone* | DLCLRAH36AAK | DLCLRAH48AAK | DLCLRAH58AAK |

 $<sup>{}^{\</sup>star}$ Performance may vary based on the compatible outdoor units. See respective pages for performance data.

### DI FI FA CONSOLE



### **INDOOR FEATURES**

- Available in 208/230V
- Up to 18.0 SEER and 11.0 HSPF when paired with DLCLRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Can be mounted on floor or ceiling
- Louver control (fixed or swing)
- Three fan speeds
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 43 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

### **COMPATIBLE WITH:**

• DLCLRA Outdoor Unit Single Zone

(p 51)

## Easy Light Commercial Installation & Quiet Operation

Sizes: 36 / 48 / 58

### **KEY FEATURES**

### **Outside Air Intake**

Outside air can be brought into the room through the connection available on the indoor unit, which helps meet the ventilation air requirements.

### **Flexible Installation**

Can be installed on the floor or ceiling depending on the application.

### **CONTROLS**

Wireless Remote Controller included with indoor unit Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0501AAA (7-Day Programmable)





Wired Controller (7-Day Programmable) KSACN0501AAA Wireless Remote Controller

### **ACCESSORIES**

Wi-Fi® Kit KSAIF0401AAA





| DLFLFA Console                     |           |                 |                                 |               |  |  |  |  |  |
|------------------------------------|-----------|-----------------|---------------------------------|---------------|--|--|--|--|--|
|                                    |           | Heat Pump       |                                 |               |  |  |  |  |  |
| System                             |           |                 |                                 |               |  |  |  |  |  |
| Size                               |           | 36              | 48                              | 58            |  |  |  |  |  |
| Indoor Model                       |           | DLFLFAH36XAK    | DLFLFAH48XAK                    | DLFLFAH58XAK  |  |  |  |  |  |
|                                    |           | Electrical      |                                 |               |  |  |  |  |  |
| Voltage-Phase-Cycle                | V-Ph-Hz   | 208/230-1-60    | 208/230-1-60                    | 208/230-1-60  |  |  |  |  |  |
| Power Supply                       |           | Inde            | oor unit powered from outdoor u | ınit          |  |  |  |  |  |
| MCA                                | A.        | 1.23            | 0.85                            | 1.48          |  |  |  |  |  |
|                                    |           | Operating Range |                                 |               |  |  |  |  |  |
| Cooling Indoor DB Min - Max        | ° F (° C) | 63~90 (17~32)   | 63~90 (17~32)                   | 63~90 (17~32) |  |  |  |  |  |
| Heating Indoor DB Min - Max        | ° F (° C) | 32~86 (0~30)    | 32~86 (0~30)                    | 32~86 (0~30)  |  |  |  |  |  |
|                                    |           | Piping          |                                 |               |  |  |  |  |  |
| Pipe Connection Size - Liquid      | in (mm)   | 3/8 (9.52)      | 3/8 (9.52)                      | 3/8 (9.52)    |  |  |  |  |  |
| Pipe Connection Size - Suction     | in (mm)   | 5/8 (16)        | 5/8 (16)                        | 5/8 (16)      |  |  |  |  |  |
|                                    |           | Indoor          |                                 |               |  |  |  |  |  |
| Unit Width                         | in (mm)   | 50.59 (1285)    | 64.96 (1650)                    | 64.96 (1650)  |  |  |  |  |  |
| Unit Height                        | in (mm)   | 9.25 (235)      | 9.25 (235)                      | 9.25 (235)    |  |  |  |  |  |
| Unit Depth                         | in (mm)   | 26.57 (675)     | 26.57 (675)                     | 26.57 (675)   |  |  |  |  |  |
| Net Weight                         | lbs (kg)  | 69 (31.3)       | 83.78 (38)                      | 110 (50)      |  |  |  |  |  |
| Number of Fan Speeds               |           | 3               | 3                               | 3             |  |  |  |  |  |
| Airflow (lowest to highest)        | CFM       | 638/917/1037    | 1000/1120/1350                  | 796/1029/1385 |  |  |  |  |  |
| Sound Pressure (lowest to highest) | dB(A)     | 43/49/54        | 52/54/57                        | 46/49/55      |  |  |  |  |  |
| Air Throw Data                     | ft (m)    | 33(10)          | 39(12)                          | 39(12)        |  |  |  |  |  |
| Field Drain Pipe Size O.D.         | in (mm)   | 1 (25.4)        | 1 (25.4)                        | 1 (25.4)      |  |  |  |  |  |

| Indoor Unit               | DLFLFAH36XAK | DLFLFAH48XAK | DLFLFAH58XAK |  |
|---------------------------|--------------|--------------|--------------|--|
| Outdoor Unit Single Zone* | DLCLRAH36AAK | DLCLRAH48AAK | DLCLRAH58AAK |  |

 $<sup>^{\</sup>star}$ Performance may vary based on the compatible outdoor units. See respective pages for performance data.

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### MODEL NUMBER NOMENCLATURE

| Position                              | 1         | 2  | 3    | 4  | 5   | 6               | 7   | 8  | 9            | 10  | 11              | 12                          |
|---------------------------------------|-----------|--|------|--|---|-----------------|---|--|--------------|---|-----------------|-----------------------------|
| Description                           | Type Unit |  | it   | Product Series   | Unit Type   | Major<br>Series | Unit Type   | Coolii<br>Capac<br>1,000 E<br>(nomir         | city<br>BTUh | Max Number<br>of Zones<br>Connected to<br>Outdoor Unit          | Variations      | Electrical<br>Voltage-Phase |
| Example                               | Fan<br>Co | DLF =<br>Coil Ind<br>DLC =<br>ndensi<br>t Outd | door | P = Premium<br>(High Tier)<br>S = Standard<br>(Mid-Tier)<br>E = Entry Tier<br>M = Multi-Zone<br>L = Light Commercial | C = Cassette D = Ducted F = Console H = High Wall R = Outdoor | A =<br>Standard | A = Air<br>Conditioner<br>(Cooling Only)<br>H = Heat Pump | 09<br>12<br>18<br>24<br>30<br>36<br>48<br>58 |              | A = 1<br>B = 2<br>C = 3<br>D = 4<br>E = 5<br>X = Indoor<br>Unit | A =<br>Standard | J = 115-1<br>K=208/230-1    |
| Product<br>Example 1:<br>DLFPHAH09XAK | F         | DLF =<br>an Coi<br>Indoor                      | il   | P = Premium<br>(High Tier)   | H = High Wall   | A =<br>Standard | H = Heat Pump   | 09   |              | X = Indoor<br>Unit  | A =<br>Standard | K=208/230-1                 |
| Product<br>Example 2:<br>DLCMRAH48EAK | Co        | DLC =<br>ndensi<br>t Outd                      | ng   | M = Multi-Zone   | R = Outdoor   | A =<br>Standard | H = Heat Pump   | 48   |              | E = 5<br>Units  | A =<br>Standard | K=208/230-1                 |

### **TIERS**

| Product Tier | Series Name      |  |
|--------------|------------------|--|
| High Tier    | Max Series       |  |
| Mid-Tier     | Advantage Series |  |
| Entry Tier   | Standard Series  |  |

### **WARRANTY**

| Application / Tier                           | Warranty               |
|--|------------------------|
| All Applications / High Tier and<br>Mid-Tier | 7 Compressor / 5 Parts |
| All Applications / Entry Tier                | 5 Compressor / 2 Parts |

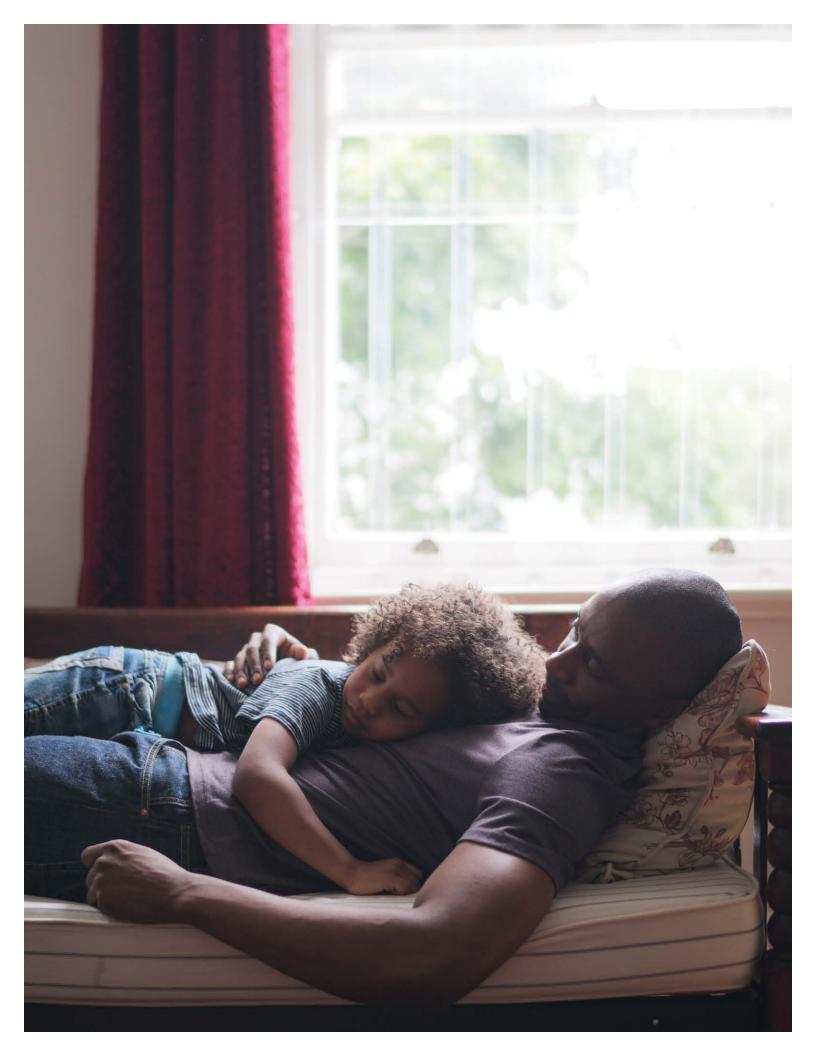
<sup>\*</sup>No Registration required.

### **CONTROLS**

|           |                    | Wired Controller |              |               |
|-----------|--------------------|------------------|--------------|---------------|
|           |                    | KSACN0101AAA     | KSACN0401AAA | KSACN0501AAA  |
| Function  | Timer Function     | Х                |              |               |
|           | 7-Day Programmable |                  | X            | Х             |
|           | DLFPHA             |                  | 0            |               |
| High Wall | DLFSHA             | o                | o            |               |
|           | DLFEHA             |                  | 0            |               |
| Cassette  | DLFSCA             | 0                |              | 0             |
| Cassette  | DLFLCA             | 0                |              | o             |
| Ducted    | DLFSDA             | o                |              | •             |
| Ducted    | DLFLDA             | 0                |              | •             |
| Console   | DLFSFA             | 0                | ∘ Size 12    | o Sizes 18-24 |
| Console   | DLFLFA             | 0                |              | o             |



| ٠ | Standard |
|---|----------|
| 0 | Optional |



### Standard Features Glossary

### 24-Hour Timer

Set the unit to start and stop automatically in a 24-hour period.

### **Air Flow Panel**

360° air outlet creates a soft and gentle air flow, which circulates throughout the whole space and provides an even temperature distribution in the room.

### **Auto Defrosting**

Prevents the evaporator from freezing and maintains dehumidifying effect in low temperature environments.

### **Auto Restart Function**

If the air conditioner shuts off unexpectedly due to a power outage, it will restart with the previous settings automatically when the power resumes.

### **Built-In Basepan Heater**

A heating belt is fitted on the base plate of the outdoor unit to prevent water accumulation, which improves heat transfer efficiency.

### **Built-In Condensate Lift Pump**

A powerful, built-in drain pump can lift the condensing water up to 29 inches.

### **Control Box Inside the Cassette**

Easy maintenance with the box right inside the Cassette indoor unit. The integrated design provides a more compact size for easier installation.

### **Convenient Temperature Controls**

An intuitive, easy-to-use remote control displays temperature and other functions on a bright, clear LCD screen.

### **Convertible Return Air Inlet**

The air inlet can be installed either at the back or bottom of the Ducted unit, allowing for flexible installation to meet the need of each job.

### **Crankcase Heater**

A heating belt is fitted on the compressor to prevent frosting water accumulation, which improves heat transfer efficiency.

### **Diamond Outdoor Unit Design**

An innovative outdoor unit reduces noise level by more than 3 dB(A), with higher reliability, easier maintenance and improved performance.

### **Eco Mode**

Provides the ultimate energy savings and a comfortable sleeping environment with an intelligent eight-hour night cycle program that saves up to 60% of energy.

### **Extra Low Temperature Heating**

When it's cold outside, it's warm inside. High Tier and Mid-Tier Ductless Systems can be used as a primary heat source, with heat output down to -22° F.

### **Follow Me**

A temperature sensor built-in the Remote Controller will sense its surrounding temperature. The unit will adjust the room temperature more accurately to give you comfort.

### **Golden Fin Anti-Corrosive Coating**

An anti-corrosive coating on the condenser stands up to harsh weather, salty air and the elements, preventing build-up of corrosive mold and bacteria while improving heat transfer efficiency.

### **High Ambient Cooling**

The indoor space can be cooled to a desired, comfortable indoor temperature, even when outside temperatures reach up to 122° F.

### **High Heating Operation**

The High Tier and Mid-Tier systems can be a primary heat source, with high Heating down to -22° F, so when it's cold outside, it's warm inside.

### **Independent Vane Control**

Air flow direction from individual outlets can be controlled separately to achieve the optimal air flow based on a room's configuration.

### **Inverter Technology**

With the Inverter, the outdoor unit uses only the energy required to meet the desired temperature requirements of the indoor unit, thus lowering electric bills.

### **Louver Position Memory**

A horizontal louver will automatically move to the same position that was set the last time the unit was on.

### **Low Ambient Cooling**

Even when it's cold outside, but warm inside, the air conditioner will keep the area cool — perfect for serve rooms and commercial kitchens.

### **Refrigerant Leak Detection**

The indoor unit shows error code "EC" and stops automatically when refrigerant leakage is detected. This protects the compressor from high temperature damage due to refrigerant leakage.

### Single and Multi-Zone Compatible

A single zone outdoor unit can be paired with any indoor unit type. One multi-zone unit can be leveraged for up to five indoor units of any style.

### Sleep Mode

This function enables the system to automatically increase cooling or decrease heating by around four degrees for the first two hours, then holds steady for the next five hours. After that, it will switch off. This function achieves both energy savings and comfort at night.

### **Stepless Frequency Adjustment**

Precise control maintains a stable and constant room temperature while reducing the sound level and saving energy.

### Two-Way Draining

Connections, piping and drainage can be installed from both the left and right on the High Wall.

### **Universal Matching**

Get maximum flexibility with up to five different indoor units connected to one outdoor unit. Maintain a different temperature in each room for ultimate comfort, with the best indoor unit choice for each. Universal matching units are also available for single zone outdoor units. One outdoor unit can match any type of indoor unit.

### **Wired Remote Controller**

Compared to an infrared remote controller, a Wired Controller can be fixed on the wall and makes air conditioner operation more convenient for larger setups or Ducted units.

| Notes |
|-------|
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