

DUCTLESS SYSTEMS

ADVANTAGE SERIES

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 9 to 18 KSALG0101AAA
- Grille/ceiling panel 3' x 3' size 24 P/N KSALG0201AAA

COMPATIBLE WITH:

- DLCSRA Outdoor Unit Single Zone
- DLCMRA Outdoor Unit Multi-Zone



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 (Timer Function)
KSACN0101AAA



Wired Controller (7-Day Programmable)
KSACN0501AAA

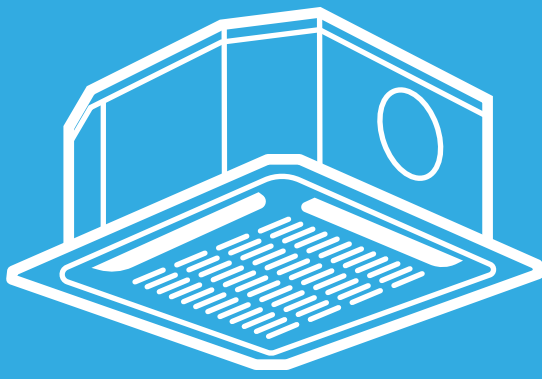


Wireless Remote Controller

ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA

NOTE: Grille is required; sold separately.



DUCTLESS SYSTEMS

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DLFSCA CASSETTE

SPECIFICATIONS:

| DLFSCA Cassette | | | | | |
|------------------------------------|--------------|---------------------------------------|---------------|---------------|---------------|
| Heat Pump | | | | | |
| System | | | | | |
| Size | | 9 | 12 | 18 | 24 |
| Indoor Model | | DLFSCAH09XAK | DLFSCAH12XAK | DLFSCAH18XAK | DLFSCAH24XAK |
| 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 powered from outdoor unit | | | |
| MCA | A. | 0.2 | 0.2 | 0.2 | 0.3 |
| 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) |
| 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 | | | | | |
| 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 O.D. | in (mm) | 1 (25.4) | 1 (25.4) | 1 (25.4) | 1 (25.4) |

COMPATIBILITY:

| | | | | |
|---------------------------|---------------|---------------|---------------|---------------|
| Indoor Unit | DLFSCAH09XAK | DLFSCAH12XAK | DLFSCAH18XAK | DLFSCAH24XAK |
| Outdoor Unit Single Zone* | DLCSTRAH09AAK | DLCSTRAH12AAK | DLCSTRAH18AAK | DLCSTRAH24AAK |
| Outdoor Unit Multi-Zone* | DLCMRAH18BAK | | | |
| | DLCMRAH27CAK | | | |
| | DLCMRAH36DAK | | | |
| | DLCMRAH48EAK | | | |

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

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

DUCTLESS SYSTEMS

ADVANTAGE SERIES

DLCSRA OUTDOOR UNIT



OUTDOOR FEATURES

- 100% heating capacity at 5° F (-15° C) sizes 12-18 (208/230V)
- Available in 115V and 208/230V
- Built-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 9-24 (208/230V)
-13° ~ 86° F (-25° ~ 30° C)
-Sizes 9, 12 (115V) & 30, 36 (208/230V)

A Versatile Outdoor Unit for Maximum Efficiency

Heat Pump with Basepan Heater

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

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



KEY FEATURES

Extra Low Temperature Heating

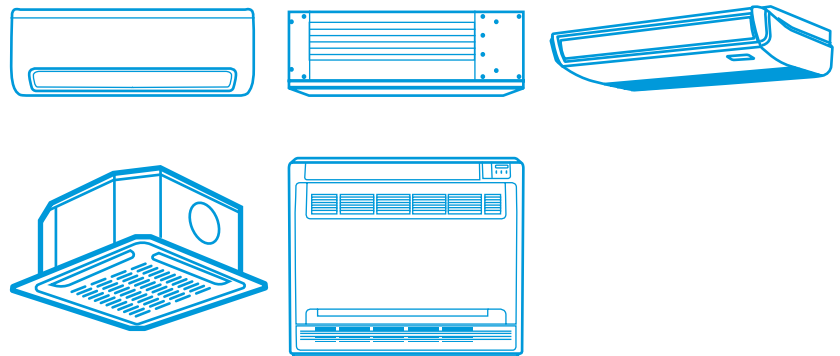
For when it's cold outside, the heat output for this system is up to 69% of rated capacity down to -22° F (-30° C), making this a primary heat source and eliminating the need for a backup heat source.

Stepless Frequency Adjustment

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

COMPATIBLE WITH

- DLFSHA High Wall
- DLFSCA Cassette
- DLFSDA Ducted
- DLFSFA Console



DUCTLESS SYSTEMS

ADVANTAGE SERIES DLCSRA OUTDOOR UNIT

INDOOR UNITS

PERFORMANCE:

| DLFSHA High Wall | | | | | | | | | |
|----------------------------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Indoor Model | | DLFSHAH09XAJ | DLFSHAH12XAJ | DLFSHAH09XAK | DLFSHAH12XAK | DLFSHAH18XAK | DLFSHAH24XAK | DLFSHAH30XAK | DLFSHAH36XAK |
| ENERGY STAR® | | YES | YES | YES | YES | YES | YES | YES | YES |
| Cooling System Tons | | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Cooling Rated Capacity | Btu/h | 9,000 | 12,000 | 9,000 | 12,000 | 18,000 | 24,000 | 30,000 | 36,000 |
| Cooling Cap. Range Min - Max | Btu/h | 3,500-9,400 | 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 | | 22.4 | 20.4 | 24.7 | 21.5 | 22.0 | 20.0 | 20.0 | 18.0 |
| EER | | 14.0 | 12.5 | 14.0 | 12.5 | 12.5 | 12.5 | 12.5 | 10.5 |
| Heating Rated Capacity (47° F) | Btu/h | 9,800 | 11,800 | 12,000 | 12,000 | 18,000 | 25,000 | 30,000 | 36,000 |
| Heating Rated Capacity (17° F) | Btu/h | 5,600 | 7,200 | 7,500 | 7,600 | 11,900 | 15,000 | 18,000 | 21,000 |
| Heating Maximum Capacity (17° F) | Btu/h | 7,900 | 8,000 | 12,400 | 12,800 | 21,500 | 22,700 | 25,300 | 29,700 |
| Heating Maximum Capacity (5° F) | Btu/h | 6,800 | 7,800 | 10,700 | 12,100 | 20,700 | 23,300 | 19,500 | 23,400 |
| Heating Cap. Range Min - Max | Btu/h | 1,300-10,300 | 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 | | 10.5 | 11.0 | 10.5 | 11.0 | 10.5 | 10.0 | 9.8 | 10.0 |
| COP (47° F) | W/W | 3.50 | 3.20 | 3.17 | 3.20 | 3.22 | 2.93 | 3.52 | 3.44 |
| COP (17° F) | W/W | 2.65 | 2.60 | 2.65 | 2.40 | 2.50 | 2.35 | 2.55 | 2.60 |
| COP (5° F) | W/W | 2.05 | 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 | YES | NO |
| Cooling System Tons | | 0.8 | 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 | 3300-15,000 | 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 |

| 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 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 | | 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 | 4200-13100 | 6600-20600 | 11000-29200 |
| 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 |

SPECIFICATIONS:

| DLCSRA Outdoor Unit | | | | | | | | | |
|--------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Heat Pump | | | | | | | | | |
| System | | | | | | | | | |
| Size | | 9 | 12 | 9 | 12 | 18 | 24 | 30 | 36 |
| Outdoor Model | | DLCSRAH09AAJ | DLCSRAH12AAJ | DLCSRAH09AAK | DLCSRAH12AAK | DLCSRAH18AAK | DLCSRAH24AAK | DLCSRAH30AAK | DLCSRAH36AAK |
| Electrical | | | | | | | | | |
| Voltage / Phase / Cycle | V/Ph/Hz | 115-1-60 | 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 | 15 | 9 | 9 | 17 | 20 | 20 | 25 |
| MOCP | A. | 20 | 20 | 15 | 15 | 25 | 30 | 30 | 35 |
| 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) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) | -13~122 (-25~50) |
| Heating Outdoor DB Min - Max | ° F (° C) | -13~86 (-25~30) | -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) | 82 (25) | 98 (30) | 98 (30) | 164 (50) | 164 (50) |
| Piping Lift* | in (mm) | 32 (10) | 32 (10) | 32 (10) | 32 (10) | 66 (20) | 66 (20) | 82 (25) | 82 (25) |
| Pipe Connection Size - Liquid | in (mm) | 1/4 (6.35) | 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) | 3/8 (9.52) | 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 | | | | | | | | | |
| Type | in (mm) | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Charge | in (mm) | 2.49 (1.1) | 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) | 30.31 (770) | 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) | 21.81 (554) | 27.63 (702) | 31.89 (810) | 31.89 (810) | 31.89 (810) |
| Unit Depth | in (mm) | 11.81 (300) | 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) | 67.9 (30.8) | 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 | 1,177 | 1,824 | 2,355 | 2,119 | 2,119 |
| Sound Pressure | dB(A) | 55.5 | 54.7 | 56.6 | 54.6 | 58.9 | 61.0 | 60.0 | 60.0 |

COMPATIBILITY:

| INDOOR UNIT | DLCSRA OUTDOOR UNIT | | | | | | | |
|------------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | DLCSRAH09AAJ | DLCSRAH12AAJ | DLCSRAH09AAK | DLCSRAH12AAK | DLCSRAH18AAK | DLCSRAH24AAK | DLCSRAH30AAK | DLCSRAH36AAK |
| DLFSHA High Wall | DLFSAH09XAJ | DLFSAH12XAJ | DLFSAH09XAK | DLFSAH12XAK | DLFSAH18XAK | DLFSAH24XAK | DLFSAH30XAK | DLFSAH36XAK |
| DLFSCA Cassette | | | DLFSCAH09XAK | DLFSCAH12XAK | DLFSCAH18XAK | DLFSCAH24XAK | | |
| DLFSDA Ducted | | | DLFSDAH09XAK | DLFSDAH12XAK | DLFSDAH18XAK | DLFSDAH24XAK | | |
| DLFSFA Console | | | | DLFSFAH12XAK | DLFSFAH18XAK | DLFSFAH24XAK | | |

Note: *Cassette, Ducted and Console indoor units sizes 36, 48 & 58 ONLY compatible with DLCSRA Outdoor Unit