



A Versatile Outdoor Unit for Maximum Efficiency

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)
- Anti-corrosive fin coating
- 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)
 Sizes 09, 12 (115V) & 30, 36 (208/230V)

COMPATIBLE WITH:

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

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

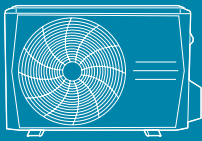
Precise control of the system maintains a stable and constant room temperature while reducing sound level and saving energy.

PERFORMANCE:

| DLFSHA High Wall | | | | | | | | |
|----------------------------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Indoor Model | | DLFSAH12XAJ | DLFSAH09XAK | DLFSAH12XAK | DLFSAH18XAK | DLFSAH24XAK | DLFSAH30XAK | DLFSAH36XAK |
| 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 |

PERFORMANCE:

| DLFSCA Cassette | | | | | |
|----------------------------------|-------|--------------|--------------|--------------|---------------|
| Indoor Model | | DLFSCAH09XAK | DLFSCAH12XAK | DLFSCAH18XAK | DLFSCAH24XAK |
| ENERGY STAR® | | YES | 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 |

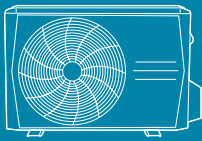


PERFORMANCE:

| 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 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 |

PERFORMANCE:

| 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 |



SPECIFICATIONS:

| DLCSRA Outdoor Unit | | | | | | | | |
|--------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 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 - 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 - 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 - 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) |
| Refrigerant | | | | | | | | |
| Type | in (mm) | R410A | R410A | R410A | R410A | R410A | R410A | 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 |

*Condensing unit above or below indoor unit.

COMPATIBILITY:

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

*Cassette, Ducted and Console indoor units sizes 36, 48 & 58 ONLY compatible with DLCLRA Outdoor Unit.

