

DUCTLESS SYSTEMS

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
- DLCMRA Outdoor Unit Multi-Zone



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 when 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 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
(Timer Function)
KSACN0101AAA



Wired Controller
(7-Day Programmable)
KSACN0401AAA



Wireless Remote
Controller

ACCESSORIES

Wi-Fi® Kit KSAIF0501AAA

DUCTLESS SYSTEMS

ADVANTAGE SERIES

DLFSHA HIGH WALL UNIT

SPECIFICATIONS:

DLFSHA High Wall									
Heat Pump									
System									
Size		9	12	9	12	18	24	30	36
Indoor Model		DLFSHAH09XAJ	DLFSHAH12XAJ	DLFSHAH09XAK	DLFSHAH12XAK	DLFSHAH18XAK	DLFSHAH24XAK	DLFSHAH30XAK	DLFSHAH36XAK
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
Power Supply		Indoor unit powered from outdoor unit							
MCA	A.	0.3	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)	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)	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)	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)
Indoor									
Unit Width	in (mm)	31.89 (810)	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)	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)	7.87 (200)	9.25 (235)	9.25 (235)	10.71 (272)	10.71 (272)
Net Weight	lbs (kg)	18.7 (8.5)	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	4
Airflow (lowest to highest)	CFM	159/254/295/324	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 (lowest to highest)	dB(A)	24.9/33/39.9	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)	21.75 (6.63)	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 (L/h)	1.6 (0.78)	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)	0.625 (16)

COMPATIBILITY:

Indoor Unit	DLFSHAH09XAJ	DLFSHAH12XAJ	DLFSHAH09XAK	DLFSHAH12XAK	DLFSHAH18XAK	DLFSHAH24XAK	DLFSHAH30XAK	DLFSHAH36XAK
Outdoor Unit Single Zone*	DLCSTRAH09AAJ	DLCSTRAH12AAJ	DLCSTRAH09AAK	DLCSTRAH12AAK	DLCSTRAH18AAK	DLCSTRAH24AAK	DLCSTRAH30AAK	DLCSTRAH36AAK
Outdoor Unit Multi-Zone*			DLCSTRAH18BAK					
			DLCSTRAH27CAK					
			DLCSTRAH36DAK					
			DLCSTRAH48EAK					

*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

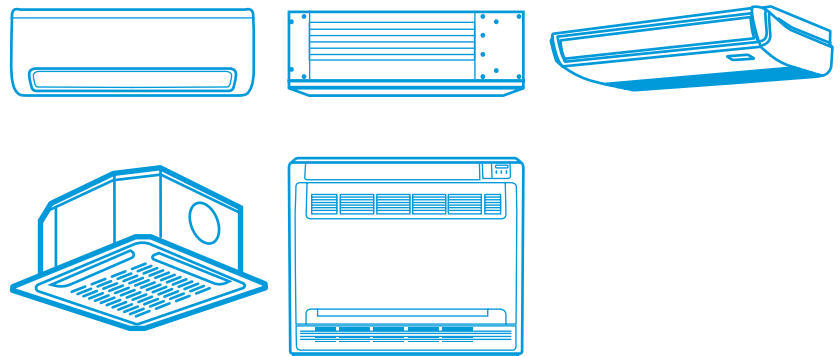
For when it's cold outside, the heat output for this system is up to 69% of rated capacity down to -22° F (-30° C), making this a primary heat source and eliminating the need for a backup heat source.

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