

SUBMITTAL DATA SHEET



Series Name: Mini Split 21seer2 Series
Model Number: DLCEB12AAJ / DLFEHB12XAJ

Wall Mounted Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION

Indoor Air Flow (H/M/L) (CFM)		300/241/176
Indoor Noise Level (H/M/L) (dBA)		41/35/26.5
Dimension (WxDxH)	inch	31-5/8 x 7-7/8 x 11-5/8
	mm	802 x 200 x 295
Package (WxDxH)	inch	34-1/2 x 11-1/4 x 15
	mm	875 x 285 x 380
Net/Gross Weight	lbs	19/24
	kg	8.4/10.9

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge		300±10ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1235
Outdoor Noise Level (dBA)		53.5
Dimension (WxDxH)	inch	30-1/8 x 11-7/8 x 21-7/8
	mm	765 x 303 x 555
Package (WxDxH)	inch	34-7/8 x 13-1/4 x 24
	mm	887 x 337 x 610
Net/Gross Weight	lbs	62/68
	kg	28.2/30.7

EFFICIENCY

Cooling		Heating	
SEER2	20.8	HSPF2-4	8.7
EER2	10.3	COP	3.1

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3800~12100
Moisture Removal	1.46 L/H (3.1pint/H)
Standard Operating Range	5°F~122°F (-15°C~50°C)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	10000(2700~10500)
2. @ 17°F Rated	6300
3. @ 5°F Max: Capacity / COP	7000 / 2.16
Standard Operating Range	5°F~75°F (-15°C~24°C)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

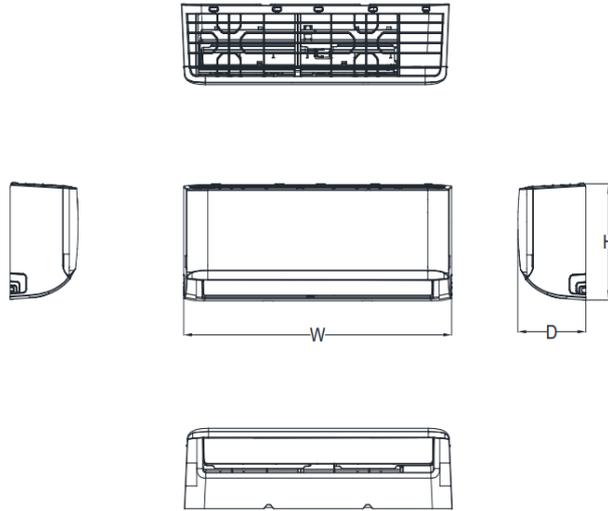
ELECTRICAL

Power Supply	115V, 1Ph, 60Hz
System MCA	18.5
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	12.98
Outdoor Fan Motor RLA	0.7
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.4
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	1165(239~1890)
System Power Input @ Heating (W)	1154(376~1390)
Recommended breaker size(A)	20
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

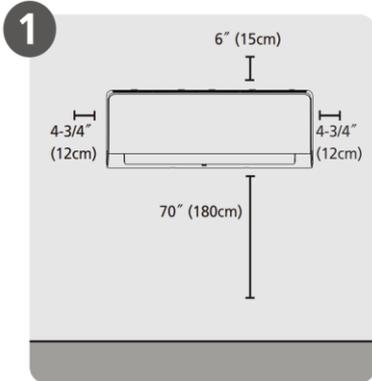
Liquid Size	1/4in (6.35mm)
Gas Size	1/2in (12.7mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	82ft (25m)
Max. Height Difference	32.8ft (10m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	28.57oz (810g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

Indoor Unit Dimension



Capacity	Body Code	W(inch/mm)	D(inch/mm)	H(inch/mm)
6K~11K	A	28-3/4 / 729	7-7/8 / 200	11-1/2 / 292
8K~14K	B	31-5/8 / 802	7-7/8 / 200	11-5/8 / 295
12K~21K	C	38-1/4 / 971	9 / 228	12-5/8 / 321
18K~28K	D	42-5/8 / 1082	9-1/4 / 234	13-1/4 / 337
27K~36K	F	49-5/8 / 1259	11-1/8 / 283	14-1/4 / 362

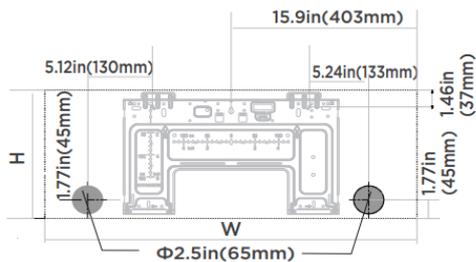
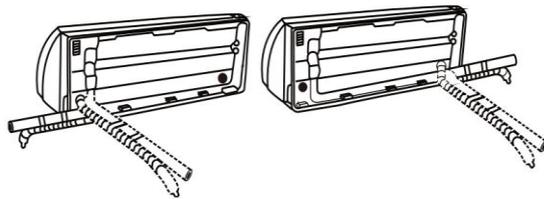
Installation Instruction



Select Installation Location

NOTE ON PIPING ANGLE

Refrigerant piping can exit the indoor unit from four different angles: Left-hand side, Right-hand side, Left rear, Right rear.

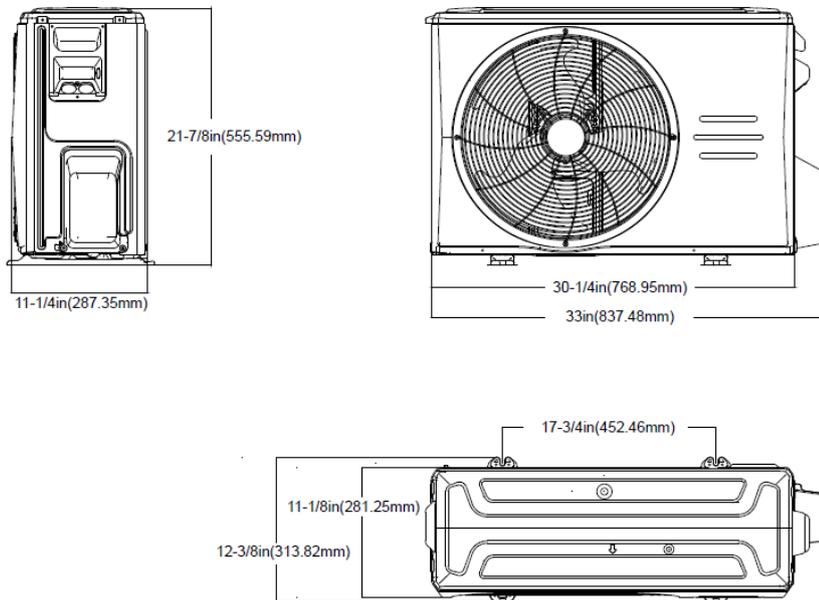


Indoor unit dimensions(WxH):
31.7in(806mm)x11.65in(296mm)

NOTE:

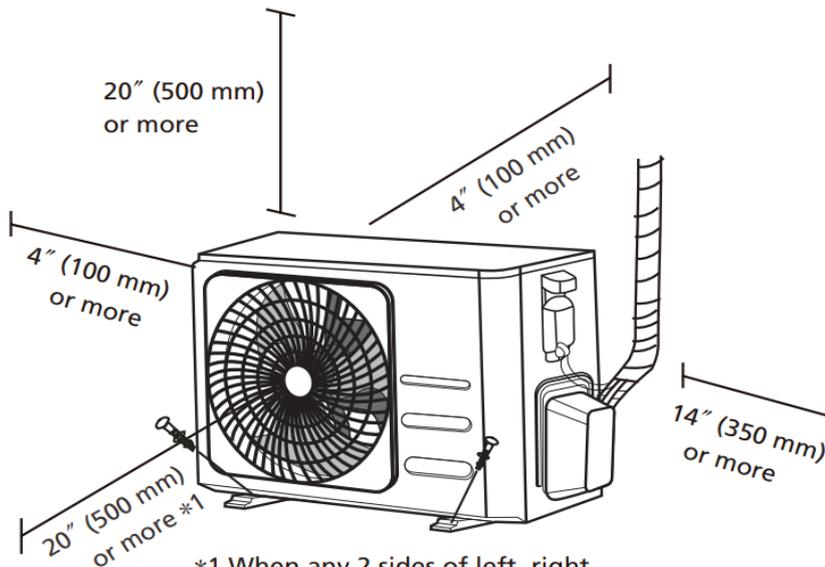
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction

Install the unit by following local codes and regulations, there may be differ slightly between different regions.



*1 When any 2 sides of left, right and rear of the unit are clear