

SUBMITTAL DATA SHEET



Series Name: Mini Split 21seer2 Series
Model Number: DLCEBH24AAK / DLFEHBH24XAK

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)	546/402/331	
Indoor Noise Level (H/M/L) (dBA)	45/39.5/36	
Dimension (WxDxH)	inch	42-5/8 x 9-1/4 x 13-1/4
	mm	1082 x 234 x 337
Package (WxDxH)	inch	45-1/2 x 16-3/8 x 12-3/8
	mm	1155 x 415 x 315
Net/Gross Weight	lbs	30/38
	kg	13.6/17.3

OUTDOOR SPECIFICATION

Compressor Type	Twin-ROTARY	
Refrigerant	R410A	
Factory Charge	620ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1765	
Outdoor Noise Level (dBA)	60	
Dimension (WxDxH)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package (WxDxH)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	98/105
	kg	44.4/47.4

EFFICIENCY

Cooling		Heating	
SEER2	18.5	HSPF2-4	8.6
EER2	9.5	COP	3.0

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	6200~24600
Moisture Removal	2.7 L/H (5.7 pint/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)	24000(6800~26800)
2. @ 17°F Rated	14500
3. @ 5°F Max: Capacity / COP	14800 / 1.83
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

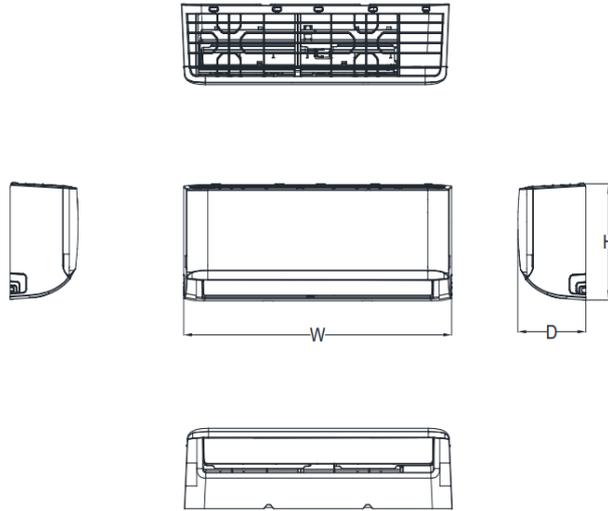
ELECTRICAL

Power Supply	208/230V, 1Ph, 60Hz
System MCA	19
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	14.25
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	2520(292~2900)
System Power Input @ Heating (W)	2350(437~2900)
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

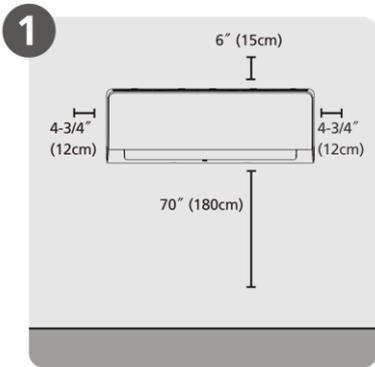
Liquid Size	3/8in (9.52mm)
Gas Size	5/8in (15.9mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	62.79oz (1780g)
Additional Charge of Refrigerant	0.32oz/ft (30g/m)
Connection Method	Flared

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

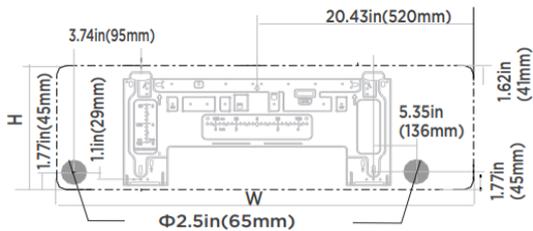
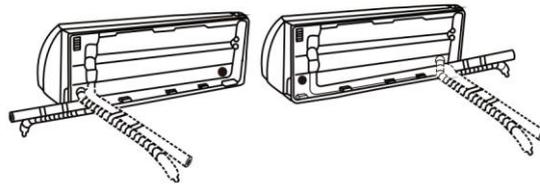
Installation Instruction



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.

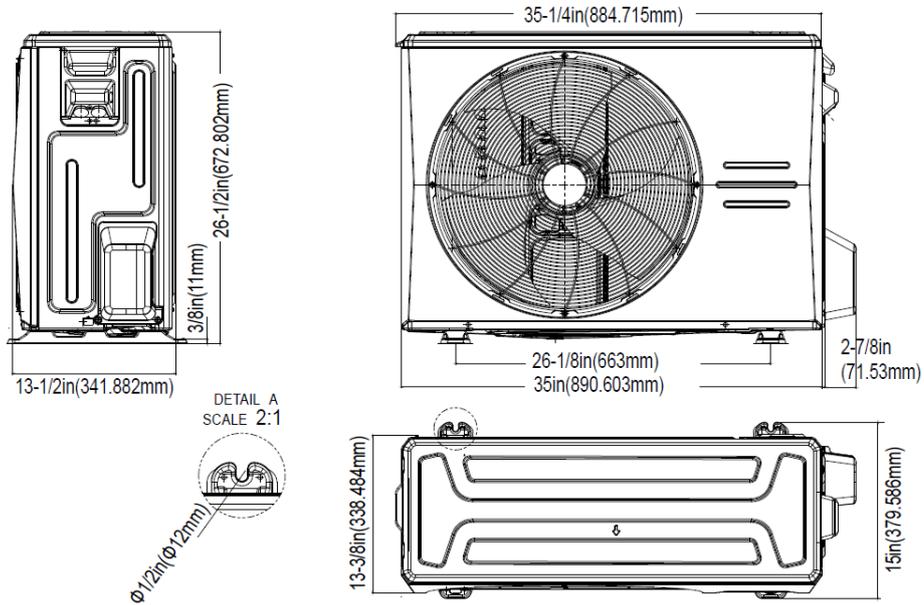


Indoor unit dimensions(WxH):
38.2in(971mm)x12.6in(321mm)

NOTE:

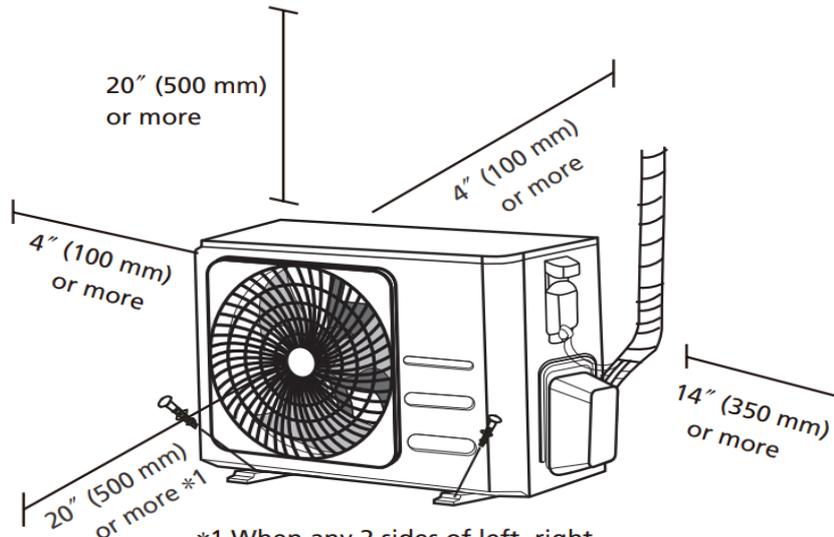
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

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