

# SUBMITTAL DATA SHEET



Series Name: Extreme Heat AHU Series  
 Model Number: DLCURAH24ABK / DLEUAH24XAK

## 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)	823.53/758.82/694.12/629.41	
Indoor Noise Level (H/M/L) (dBA)	39/36/33	
Dimension (W×D×H)	inch	17-1/2 x 21 x 45
	mm	445 x 534 x 1143
Package (W×D×H)	inch	26-5/8 x 20-7/8 x 48-5/8
	mm	675 x 530 x 1235
Net/Gross Weight	lbs	106/127
	kg	47.9/57.8

## OUTDOOR SPECIFICATION

Compressor Type	Twin-ROTARY	
Refrigerant	R410A	
Factory Charge	670ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	3000	
Outdoor Noise Level (dBA)	62	
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	137/146
	kg	62/66

## EFFICIENCY

Cooling		Heating	
SEER2	17.4	HSPF2-4	10.0
EER2	11.7	COP	3.4

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	6400~27000
Moisture Removal	1.98 L/H (4.18 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(10100~31000)
2. @ 17°F Rated	19200
3. @ 5°F Max: Capacity / COP	22600 / 1.91
Standard Operating Range	-22°F~75°F (-30°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

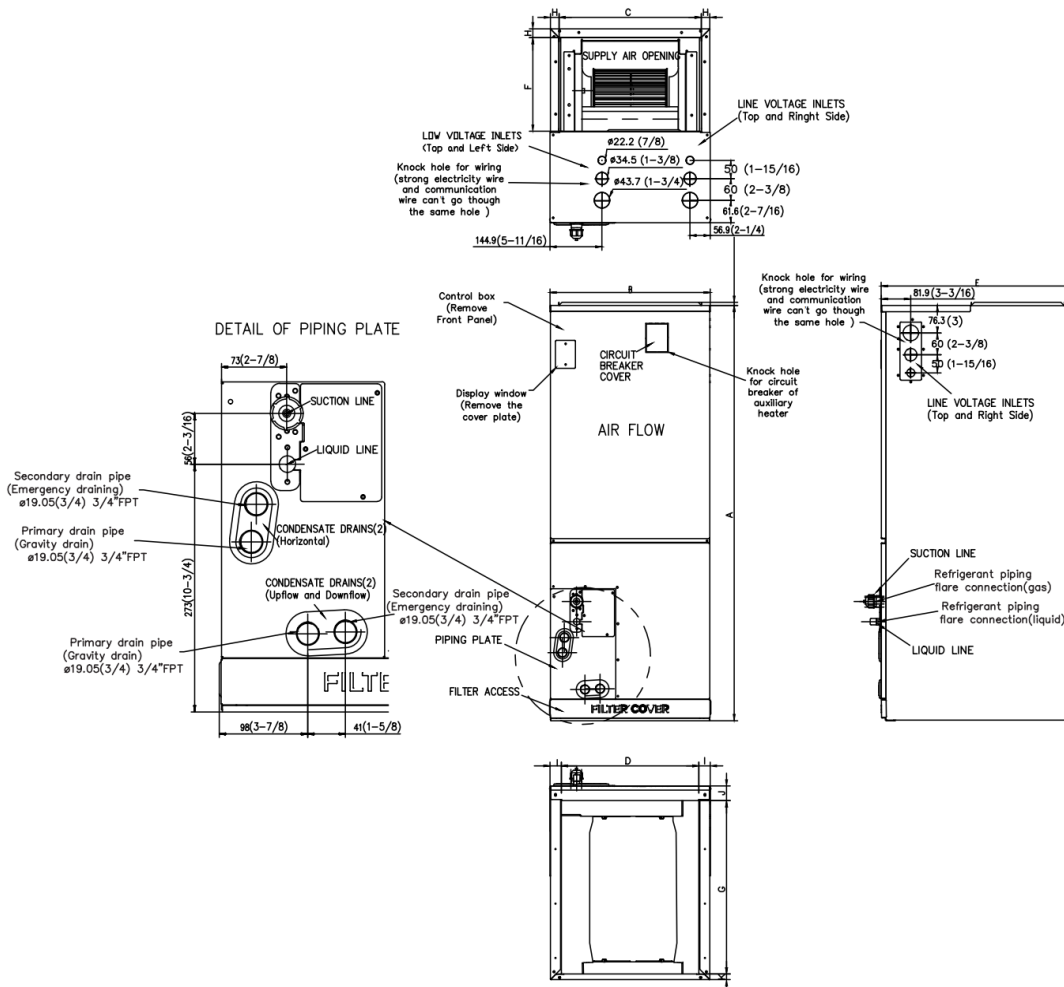
## ELECTRICAL

Power Supply	208/230V, 1Ph, 60Hz
System MCA	20.5/4
Connection Wiring	AWG 14-2
System MOCP	35/15
Compressor RLA	15
Outdoor Fan Motor RLA	1.4
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	3
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2050(740~2450)
System Power Input @ Heating (W)	2100(660~2900)
Recommended breaker size(A)	30/15
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

## PIPING

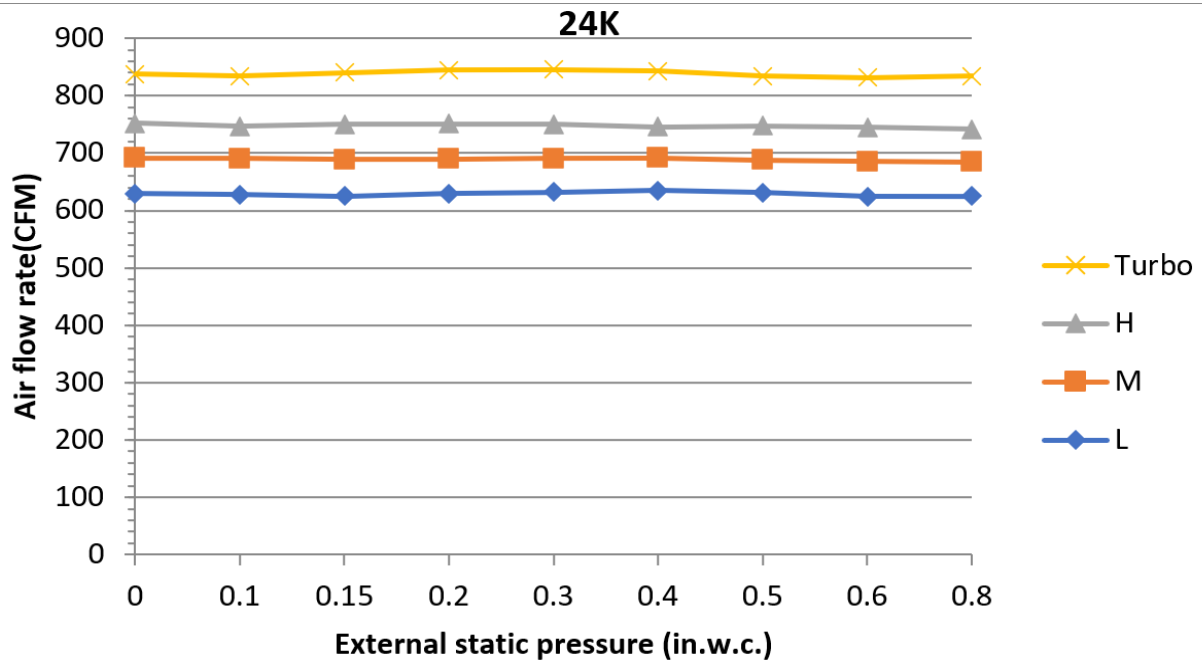
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	102.32oz (2901g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method	Flared

## Indoor Unit Dimension

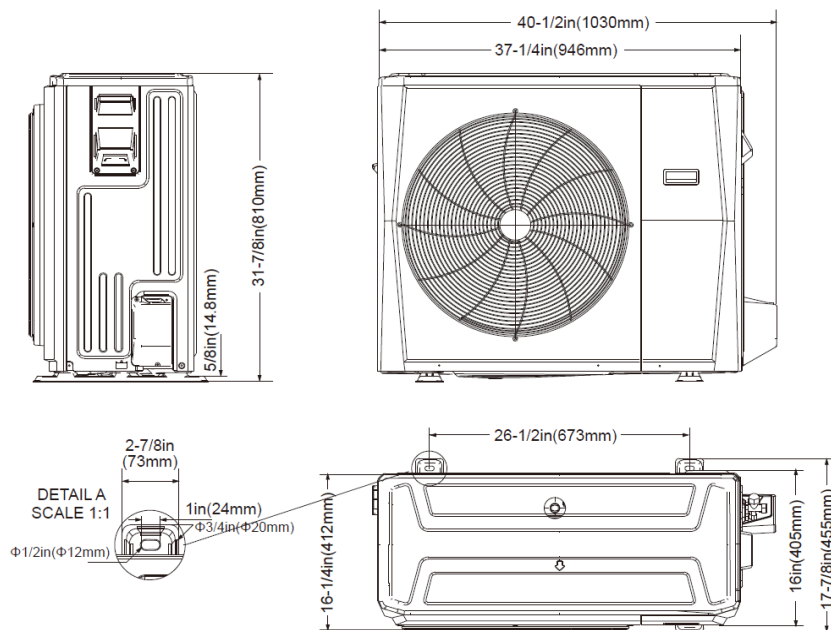


Dimensions	Model	18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

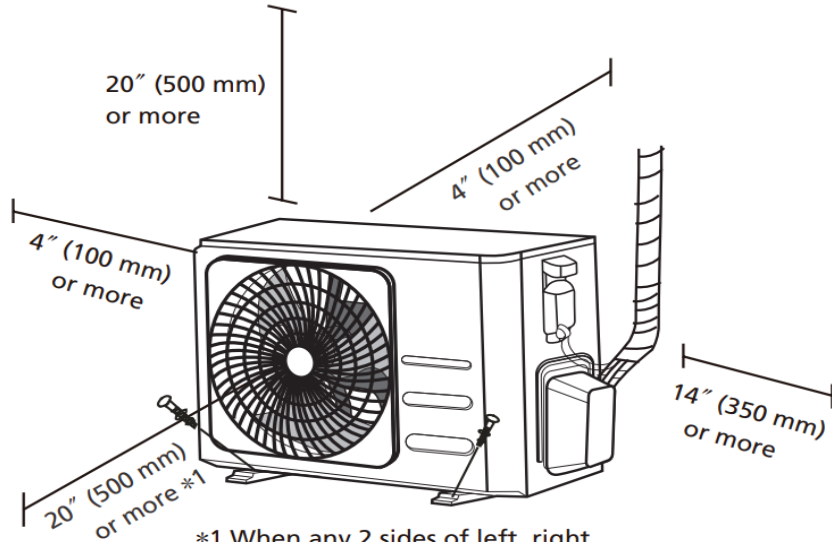
Fan Performance



Outdoor Unit Dimension



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

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