

SUBMITTAL DATA SHEET



Series Name: Extreme Heat AHU Series
 Model Number: DLCURAH18ABK / DLFUAAH18XAK

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)	617.65/576.47/529.41/488.24	
Indoor Noise Level (H/M/L) (dBA)	34/31/30	
Dimension (WxDxH)	inch	21 x 17-1/2 x 45
	mm	534 x 445 x 1143
Package (WxDxH)	inch	26-5/8 x 20-7/8 x 48-5/8
	mm	675 x 530 x 1235
Net/Gross Weight	lbs	106/129
	kg	48/58.7

OUTDOOR SPECIFICATION

Compressor Type	Twin-ROTARY	
Refrigerant	R410A	
Factory Charge	670ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1279	
Outdoor Noise Level (dBA)	57	
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	103/110
	kg	46.7/49.8

EFFICIENCY

Cooling		Heating	
SEER2	18.0	HSPF2-4	9.3
EER2	12.4	COP	3.6

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	6880~21000
Moisture Removal	1.67 L/H (3.52pint/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)	19000(2800~21000)
2. @ 17°F Rated	13500
3. @ 5°F Max: Capacity / COP	16500 / 2.04
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

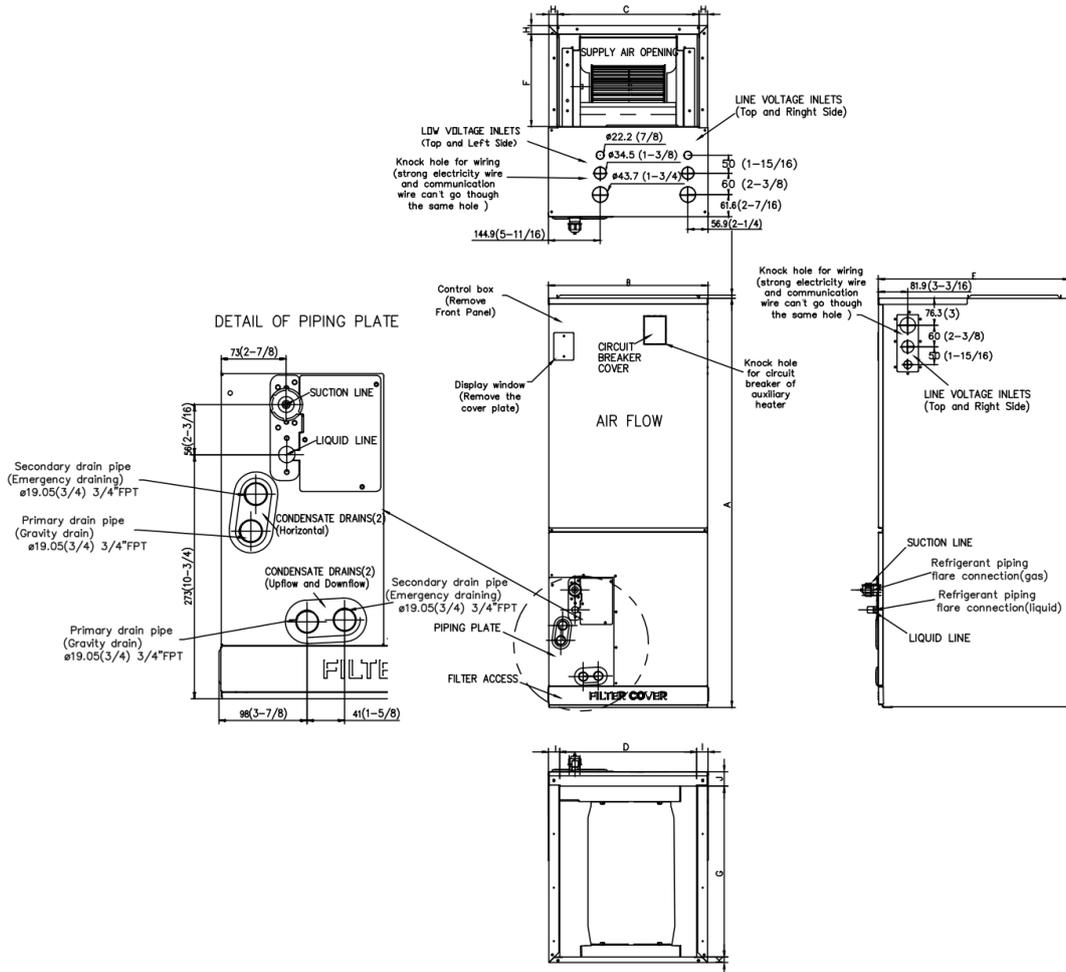
ELECTRICAL

Power Supply	208/230V,1Ph, 60Hz
System MCA	16/2.5
Connection Wiring	AWG 14-2
System MOCP	20/15
Compressor RLA	10
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	2
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1450(260~1890)
System Power Input @ Heating (W)	1530(430~1920)
Recommended breaker size(A)	20/15
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

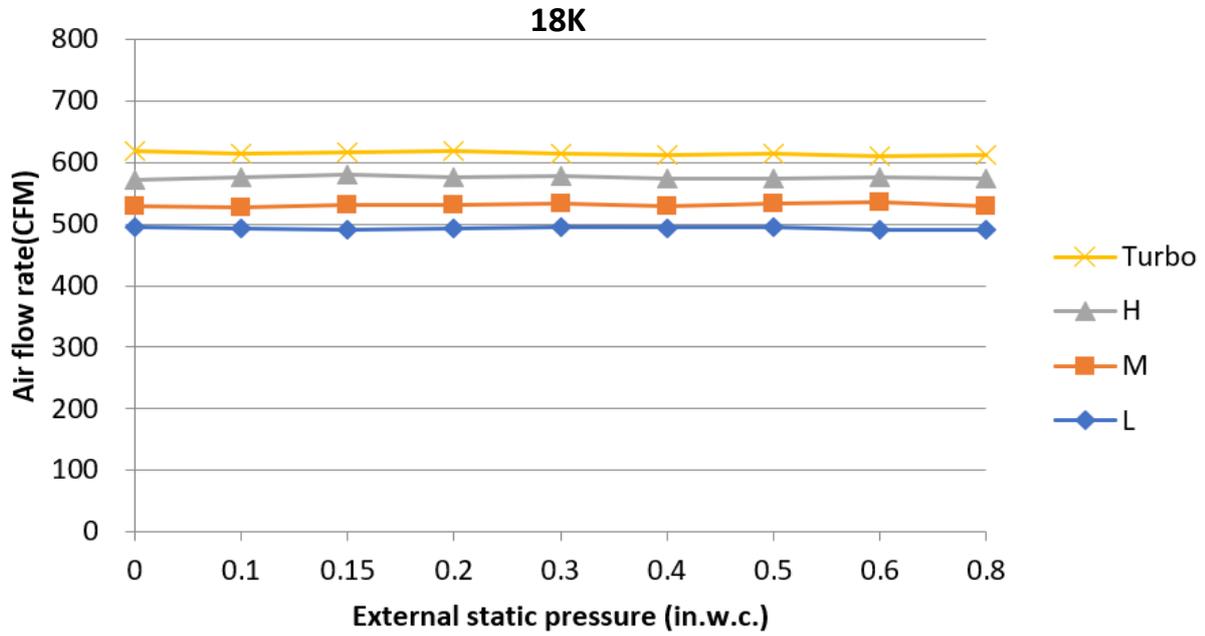
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm) ODU Adaptor from 5/8 to 3/4
Drain Size	5/8in (15.88mm)
Max. Piping Length	98.4ft (30m)
Max. Height Difference	65.6ft (20m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	81.13oz (2300g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method	Flared

Indoor Unit Dimension

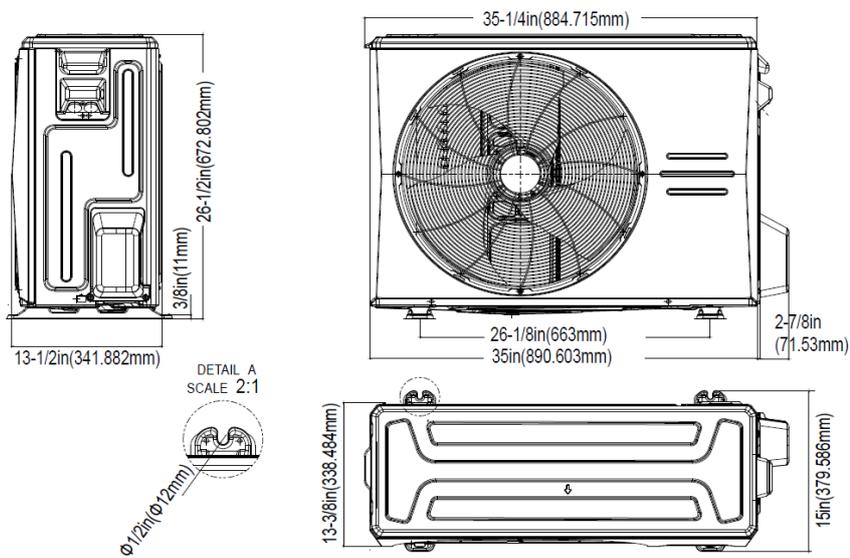


Dimensions	Model	18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	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.

