

# SUBMITTAL DATA SHEET



Series Name: Multi Zone Hyper Heat Series  
Model Number: [DLCMH48EAK](#)

## Wall Mounted Heat Pump System

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



## OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge Oil		1460±15ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4500
Outdoor Noise Level (dBA)		64
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	238/270
	kg	108.1/122.4

## ELECTRICAL

Power Supply	208/230V, 1Ph, 60Hz
System MCA	40
Connection Wiring	AWG 14-4
System MOCP	60
Compressor RLA	30
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3840(750~4990)
System Power Input @ Heating (W)	3940(770~5300)
Recommended breaker size(A)	40
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

## EFFICIENCY

Cooling		Heating	
SEER2	23.4	HSPF2-4	8.7
EER2	12.5	COP	3.57

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	48000
Min/Max Capacity	19000~50000
Moisture Removal	/
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

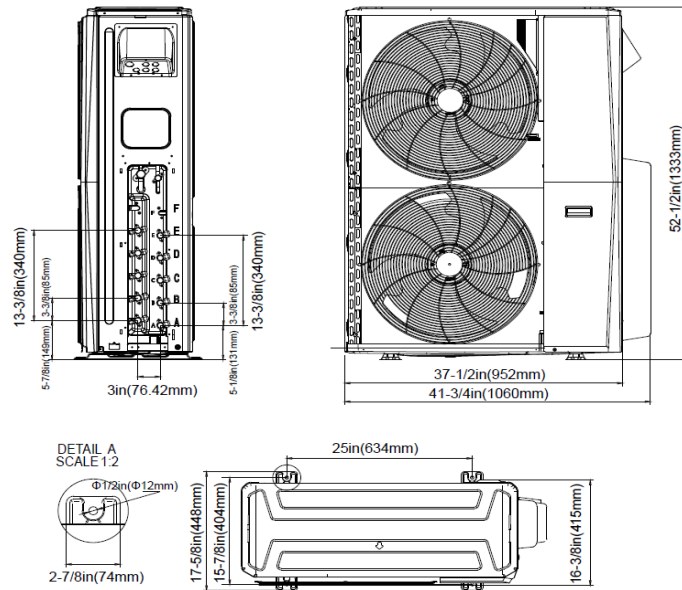
## PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	48000(12500~52000)
2. @ 17°F Rated	34000
3. @ 5°F Max: Capacity / COP	33000 / 1.80
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

## PIPING

Liquid Size	5x1/4in (5x6.35mm)
Gas Size	3x3/8+2x1/2in (3x9.52+2x12.7mm)
Max. Piping Length for all rooms	262.5ft (80m)
Max. Piping Length for one IDU	114.8ft (35m)
Max. Height Difference of IDU and ODU	49.2ft (15m)
Refrigerant Pre-charged Amount	162oz (4593g)
Refrigerant Precharge Length	25x5 (ft)
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe)	0.16oz/ft (15g/m)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe)	0.32oz/ft (30g/m)
Connection Method	Flared

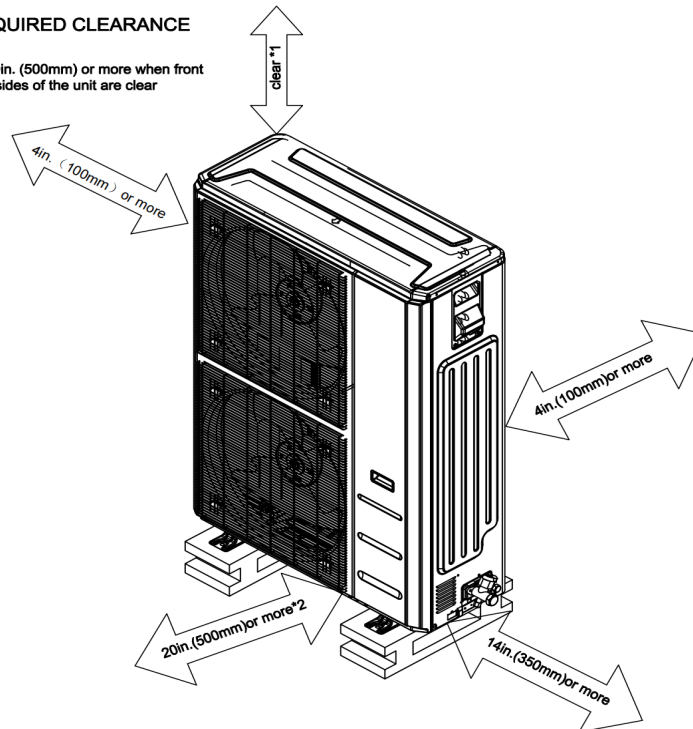
# Outdoor Unit Dimension



# Installation Instruction

## REQUIRED CLEARANCE

\*1 20in. (500mm) or more when front and sides of the unit are clear



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