



SUBMITTAL DATA SHEET

Series Name: Eco Series
Model Number: WOS-24ECO/230 | WIHW-24ECO/230

High Wall Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		588.6 / 518.0 / 447.3 / 341.4 / /
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		48.5/46/41/31/27
Dimension (W×D×H)	inch	40.94 x 8.66 x 12.87
	mm	1040.0×220.0×327.0
Package (W×D×H)	inch	44.09 x 15.94 x 12.40
	mm	1120×405×315
Net/Gross Weight	lbs	29.10/37.92
	kg	13.2/17.2

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1764.7
Outdoor Noise Level (dBA)		60.5
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890.0×342.0×673.0
Package (W×D×H)	inch	39.17 x 15.67 x 29.13
	mm	995×398×740
Net/Gross Weight	lbs	96.34/104.06
	kg	43.7/47.2

EFFICIENCY			
Cooling		Heating	
SEER2	17.0	HSPF2-4	8.5
EER2	9.0	COP	2.78

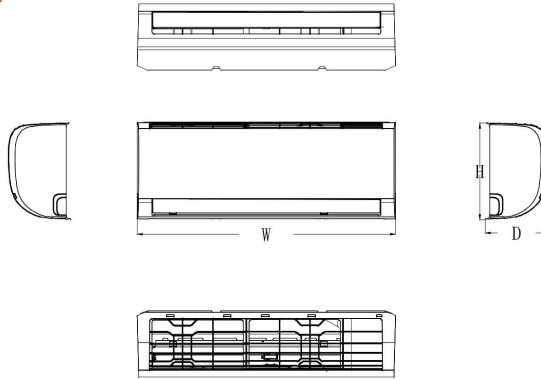
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	6400~24200
Moisture Removal(L/h)	3.2
Standard Operating Range(*F/*C)	5~122(-15 ~ 50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	24000
1. @ 47°F Min/Max Capacity	5800~27000
2. @ 17°F Rated	17100
3. @ 5°F Rated: Capacity / COP	17100/2.01
3. @ 5°F Max: Capacity	17100
Standard Operating Range(*F/*C)	5~72(-15 ~ 24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	19.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	13.8
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	45
System Power Input @ Cooling (W)	2667(340 ~ 2830)
System Power Input @ Heating (W)	2530(440 ~3010)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

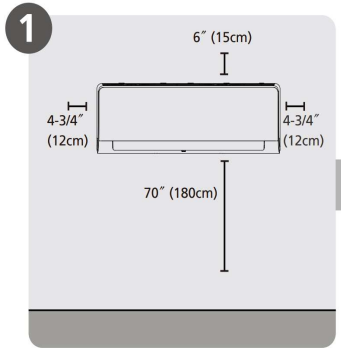
PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	54.67(1.55)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Indoor Unit Dimension

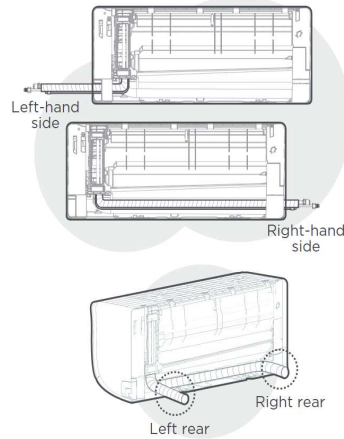


Capacity	Body Code	Unit	W	D	H
9k 115V	A	mm	715	194	285
		inch	28-1/8	7-5/8	11-1/4
9k~12k	B	mm	805	194	285
		inch	31-3/4	7-5/8	11-1/4
18k	C	mm	957	213	302
		inch	37-5/8	8-3/8	11-7/8
24k	D	mm	1040	220	327
		inch	41	8-5/8	12-7/8

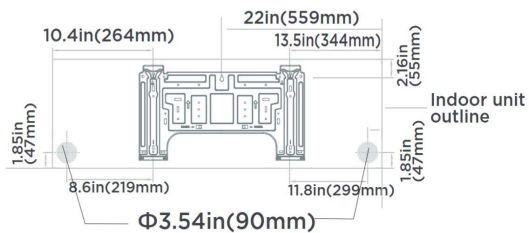
Installation Instruction



Select Installation Location



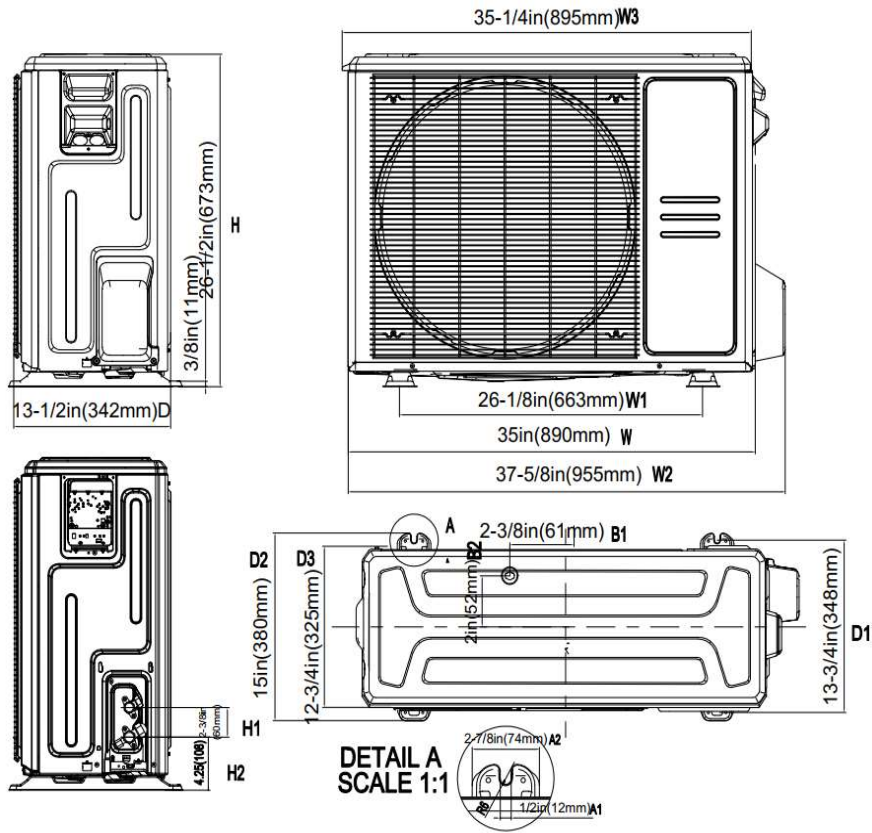
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



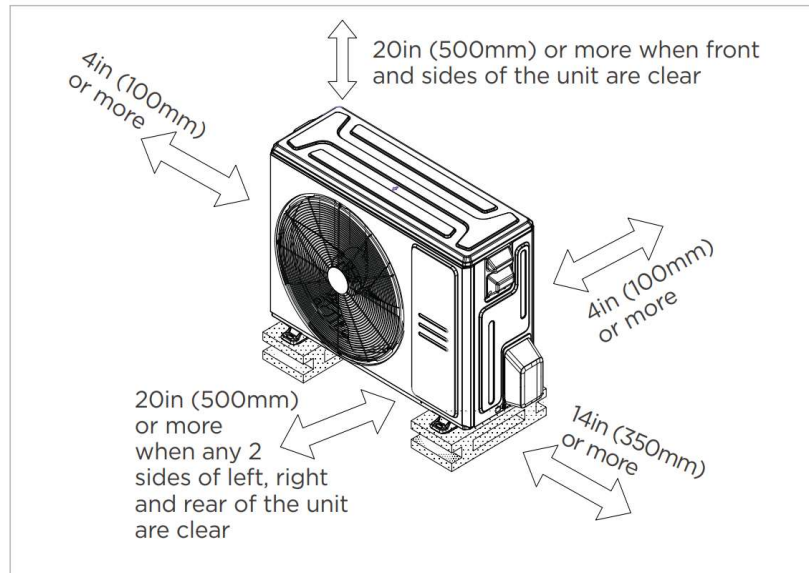
NOTE:
When the gas side connective pipe is Φ (5/8in) 16mm or more, the wall hole should be (3-1/2in) 90mm.

Indoor unit dimensions:
40.85in(1037.6mm)x12.79in(324.9mm)

Outdoor Unit Dimension



Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.