



SUBMITTAL DATA SHEET

Series Name: Eco Series
Model Number: WOS-18ECO/230 | WIHW-18ECO/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)		459.1 / 447.3 / 359.0 / 264.9 / /
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		/ /44/37.5/30/19
Dimension (W×D×H)	inch	37.68 x 8.39 x 11.89
	mm	957.0×213.0×302.0
Package (W×D×H)	inch	40.75 x 11.61 x 15.16
	mm	1035×295×385
Net/Gross Weight	lbs	23.37/29.76
	kg	10.6/13.5

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSN140D21UFZ
Refrigerant		R454B
Refrigerant Oil Charge(mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1235.3
Outdoor Noise Level (dBA)		57.0
Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85
	mm	765.0×303.0×555.0
Package (W×D×H)	inch	34.92 x 13.27 x 24.02
	mm	887×337×610
Net/Gross Weight	lbs	62.17/67.46
	kg	28.2/30.6

EFFICIENCY			
Cooling		Heating	
SEER2	18.3	HSPF2-4	8.7
EER2	9.9	COP	2.88

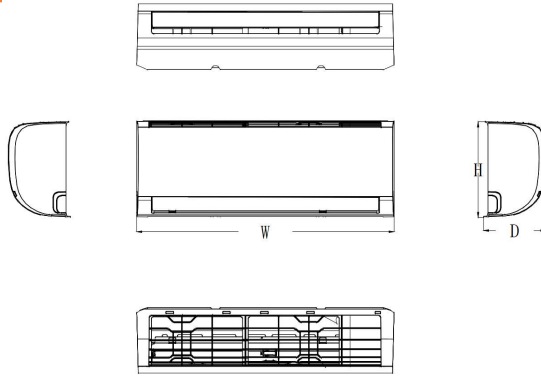
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	17000
Min/Max Capacity	6300~17900
Moisture Removal(L/h)	2.2
Standard Operating Range(*F/*C)	5~122(-15 ~ 50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	18000
1. @ 47°F Min/Max Capacity	4600~18800
2. @ 17°F Rated	11200
3. @ 5°F Rated: Capacity / COP	10600/2.10
3. @ 5°F Max: Capacity	10600
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	15.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	9.5
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.6
Indoor Fan Motor W	28
System Power Input @ Cooling (W)	1717(320 ~ 1870)
System Power Input @ Heating (W)	1830(325 ~1900)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

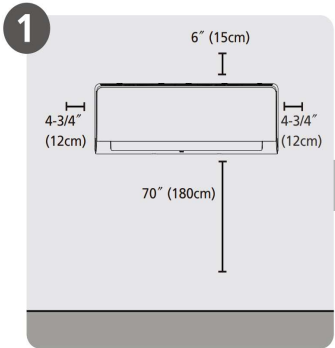
PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Capillary
Liquid Size	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	38.10(1.08)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Indoor Unit Dimension

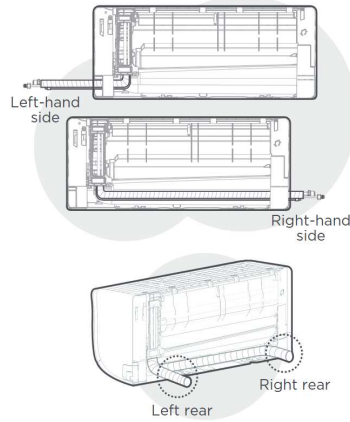


Capacity	Body Code	Unit	W	D	H
9k 115V	A	mm	715	194	285
		inch	28-1/8	7-5/8	11-1/4
9k~12k	B	mm	805	194	285
		inch	31-3/4	7-5/8	11-1/4
18k	C	mm	957	213	302
		inch	37-5/8	8-3/8	11-7/8
24k	D	mm	1040	220	327
		inch	41	8-5/8	12-7/8

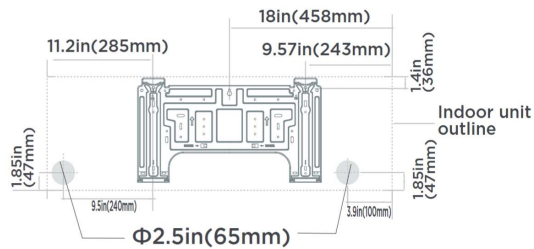
Installation Instruction



Select Installation Location



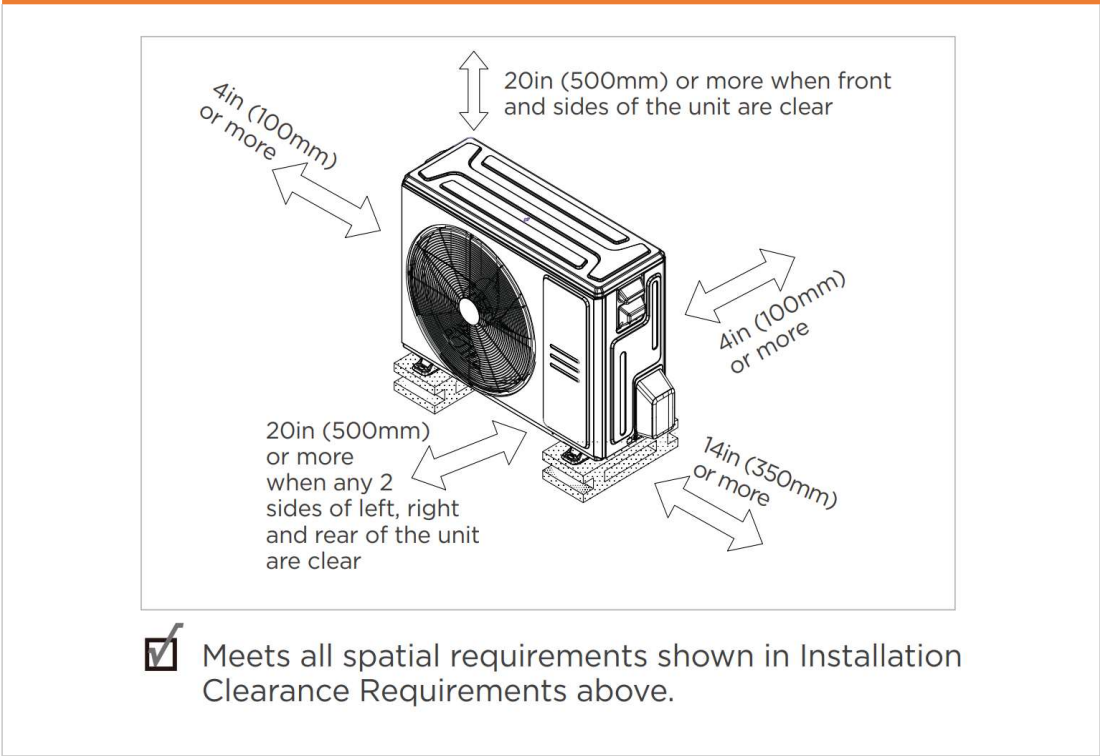
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



Indoor unit dimensions:
37.7in (958.3mm) x 11.88in (302mm)

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

Installation Instruction



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