

SUBMITTAL DATA SHEET

Series Name: 4-Way Cassette Energy Star Series
Model Number: WI4C-24MOC/230 - WOS-24PRE/230

4-Way Cassette 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)		765.2 / 706.3 / 635.7 / 547.4 / 547.4
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		45.5/45.5/43/33.5/30.5
Dimension (W×D×H)	inch	32.68 x 32.68 x 8.07
	mm	830.0×830.0×205.0
Package (W×D×H)	inch	35.83 x 35.83 x 9.84
	mm	910×910×250
Net/Gross Weight	lbs	47.18/59.08
	kg	21.4/26.8

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2236.7
Outdoor Noise Level (dBA)		59.5
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946.0×410.0×810.0
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090×500×885
Net/Gross Weight	lbs	122.13/132.28
	kg	55.4/60.0

EFFICIENCY

Cooling		Heating	
SEER2	22	HSPF2-4	10.5
EER2	12.0	COP	3.20

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	12300~26800
Moisture Removal(L/h)	2.56
Standard Operating Range(°F/°C)	-13~122(-25~50)
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	25000
1. @ 47°F Min/Max Capacity	11600~33100
2. @ 17°F Rated	20400
3. @ 5°F Rated: Capacity / COP	18500/2.30
3. @ 5°F Max: Capacity	18500

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	24.00
Connection Wiring	14#x4
System MOC	25
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	45
System Power Input @ Cooling (W)	2000(910 ~ 2570)
System Power Input @ Heating (W)	2268(640 ~ 2830)
MCA: Min. circuit amps (A)	MOC: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

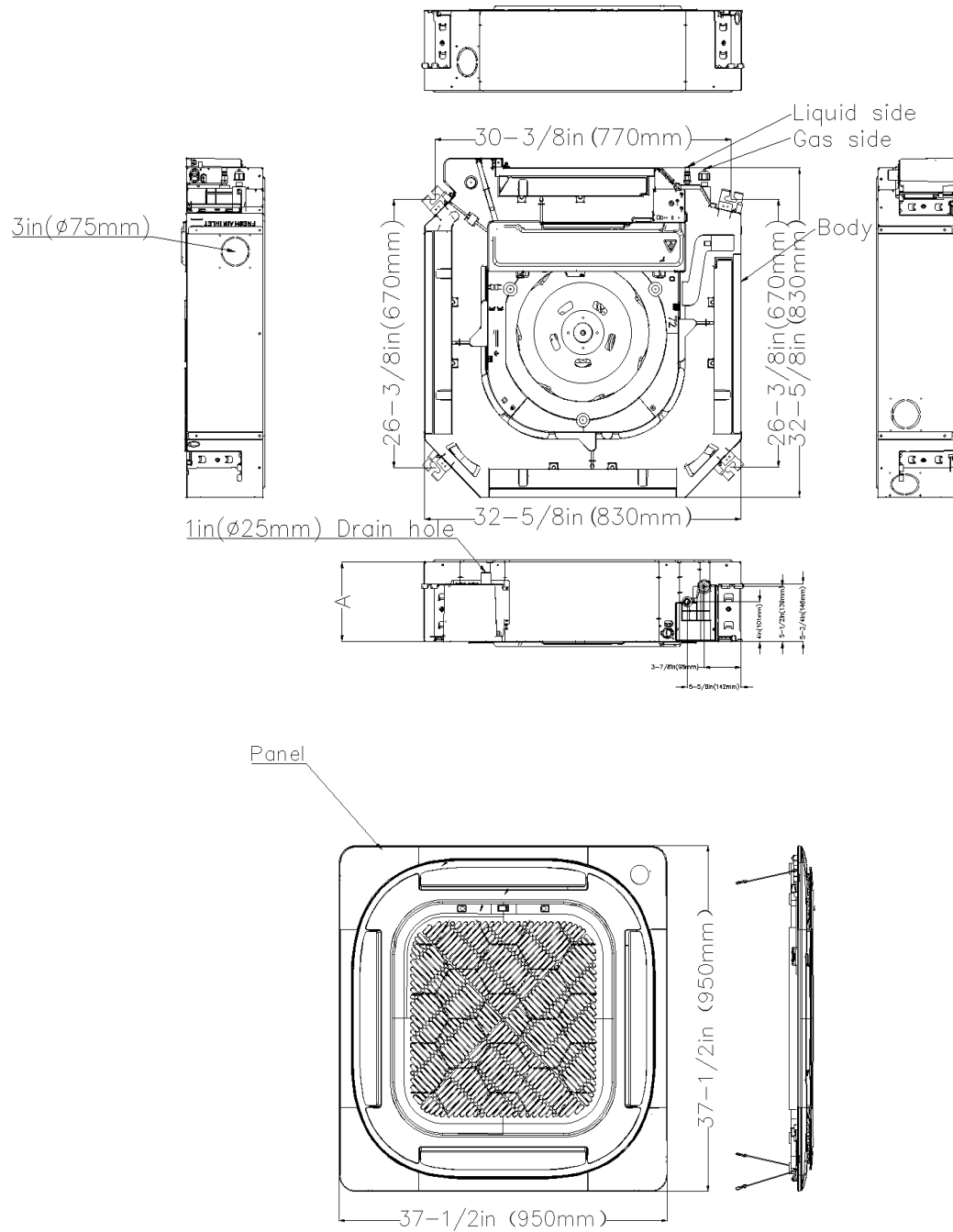
PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)

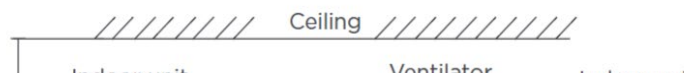
Standard Operating Range(°F/°C)	-13~75(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

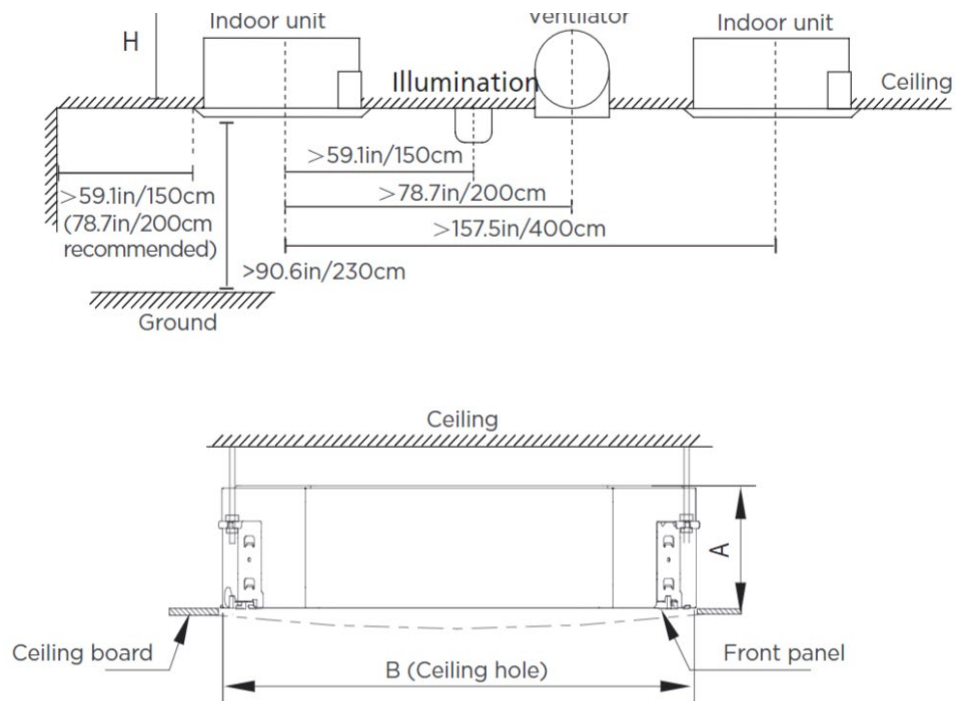
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	70.55(2.00)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Indoor Unit Dimension



Installation Instruction

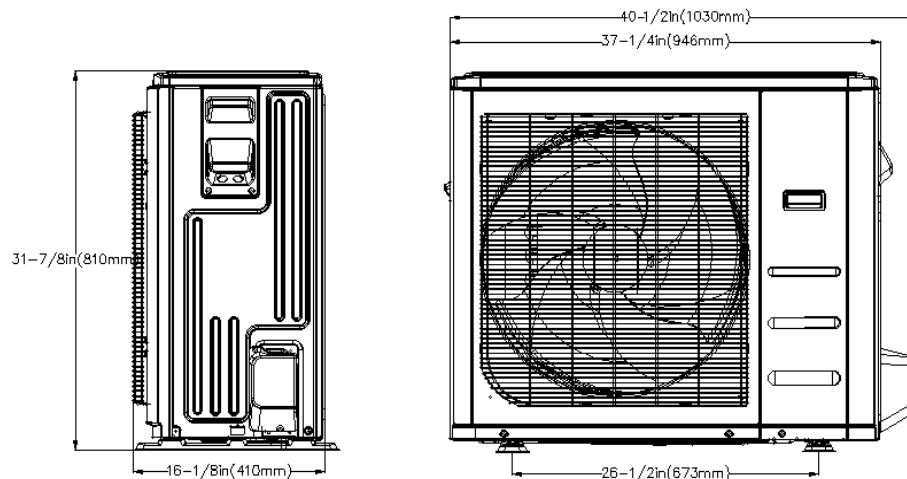


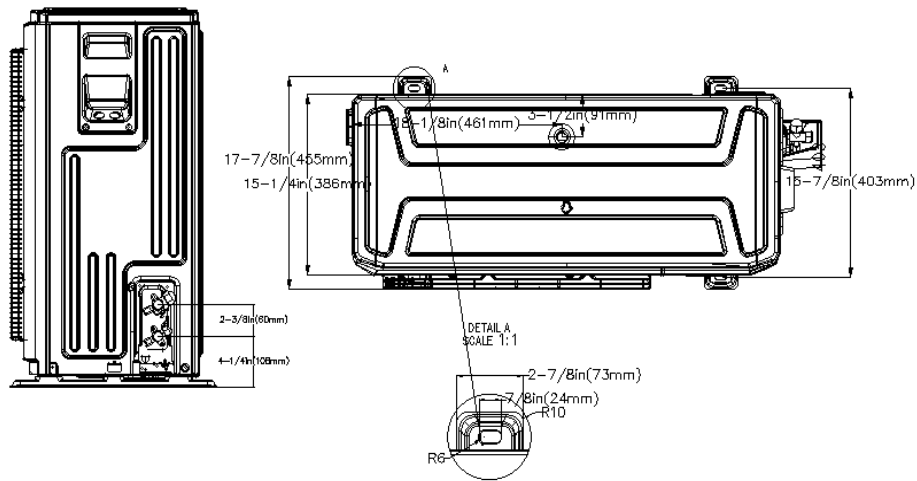


Distance from ceiling relative to height of indoor unit

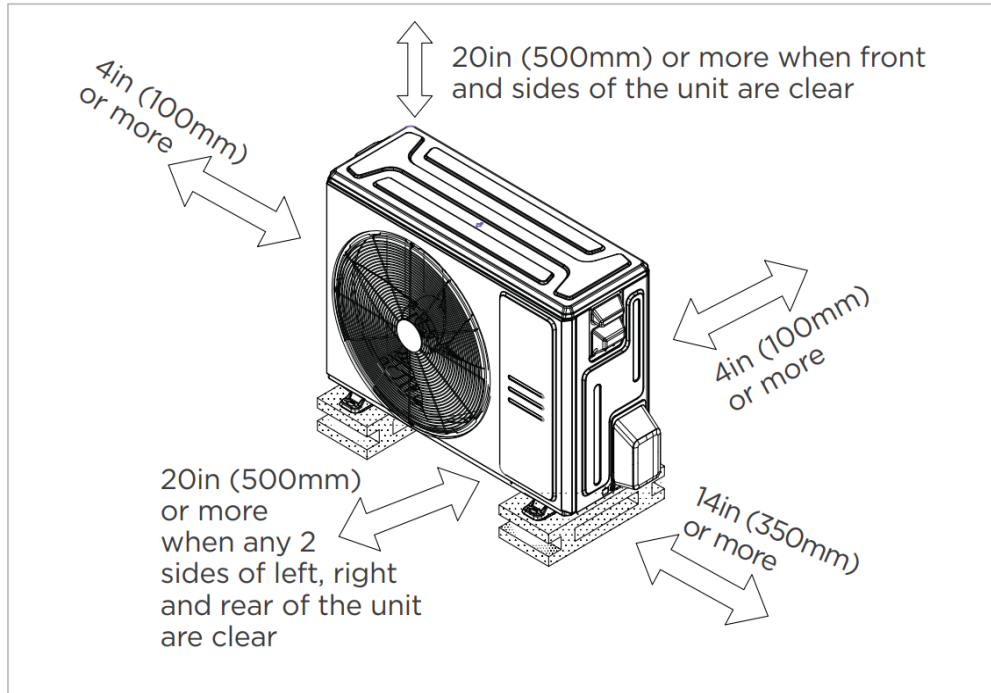
MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9.6in (245mm)	>10.8in (275mm)	23.6in (600mm)
24K	8.03in (205mm)	9.06in (230mm)	35.4in (900mm)
36K	9.65in (245mm)	10.7in (271mm)	
48K	11.3in (287mm)	12.3in (313mm)	

Outdoor Unit Dimension





Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.