4-Way Ceiling Heat Pump System	
Indoor Model: SAK-36-CT1/220V	Outdoor Model: SAK-36-CT2/220V
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

INDOOR SPEINDOOR SPECIFICATIONCIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1041.8 / 947.6 / 853.5 / 753.4 / 659.2
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		54/52.5/47.0/39.5/36.5
Dimension (W×D×H)	inch	32.68 x 32.68 x 9.65
	mm	830.0×830.0×245.0
Package (W×D×H)	inch	35.83 x 35.83 x 11.42
	mm	910×910×290
Net/Gross Weight	lbs	59.30/71.43
	kg	26.9/32.4

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		2765
Outdoor Air Flow (Max) (CFM)		2413.3
Outdoor Noise Level (dBA)		63.0
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	152.34/162.48
	kg	69.1/73.7

EFFICIENCY			
Cooling		Heating	
SEER2	20.0	HSPF2-4	10.3
EER2	9.6	COP	3.31

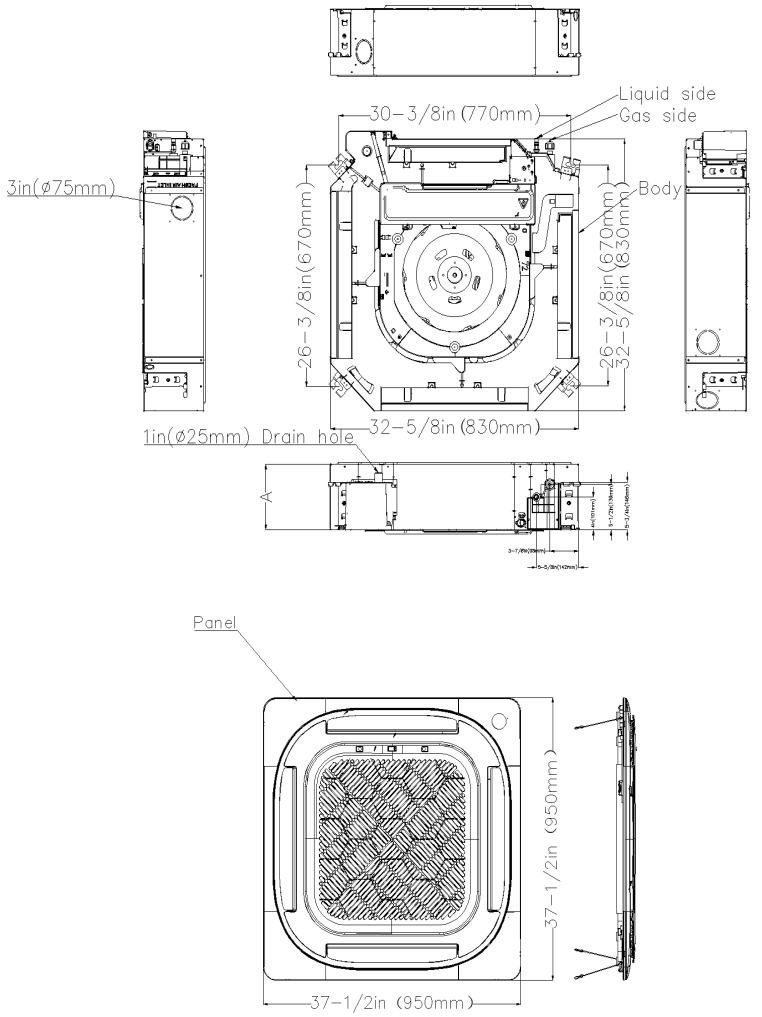
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	33.00
Connection Wiring	14#x2
System MOCP	35
Compressor RLA	21.5
Outdoor Fan Motor RLA	1.4
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	125
System Power Input @ Cooling (W)	3720(560 ~ 4360)
System Power Input @ Heating (W)	3365(840 ~3580)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	6400~39800
Moisture Removal(L/h)	4.23
Standard Operating Range(℉/℃)	-13~122(-25~50)
Conditions:	Indoor: 80℉ DB/67℉ WB
	Outdoor: 95℉ DB/75℉ WB

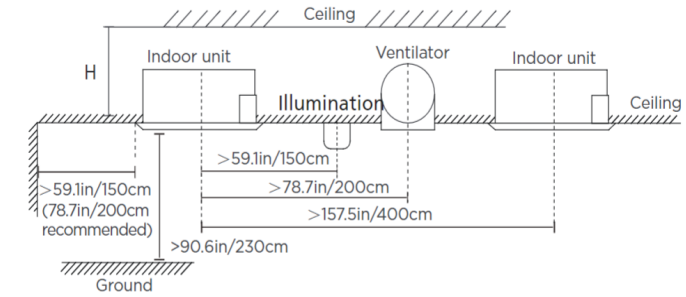
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47℉ Rated	38000
1. @ 47℉ Min/Max Capacity	14400~42200
2. @ 17℉ Rated	26800
3. @ 5℉ Rated: Capacity / COP	26600/2.20
3. @ 5℉ Max: Capacity	26600
Standard Operating Range(℉/℃)	-13~75(-25~24)
1. Conditions:	Indoor: 70℉ DB/60℉ WB
	Outdoor: 47℉ DB/43℉ WB
2. Conditions:	Indoor: 70℉ DB/60℉ WB
	Outdoor: 17℉ DB/15℉ WB
3. Conditions	Indoor: 70℉ DB/60℉ WB
	Outdoor: 5℉ DB/5℉ WB

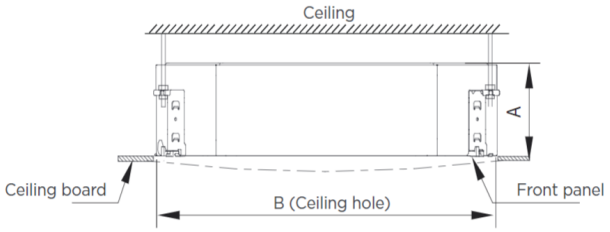
PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246.00(75)
Max. Height Difference(ft/m)	98.40(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	91.71(2.60)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Indoor Unit Dimension



Installation Instruction

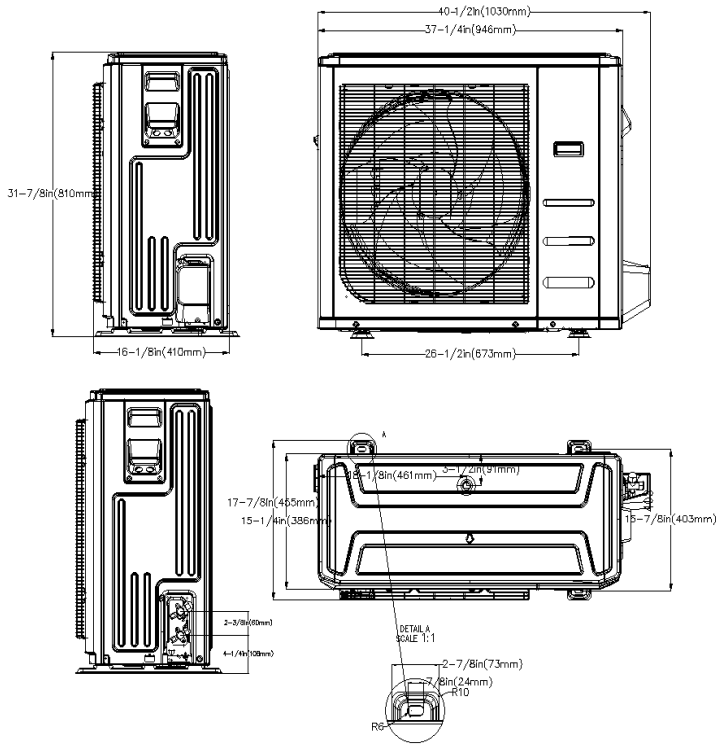




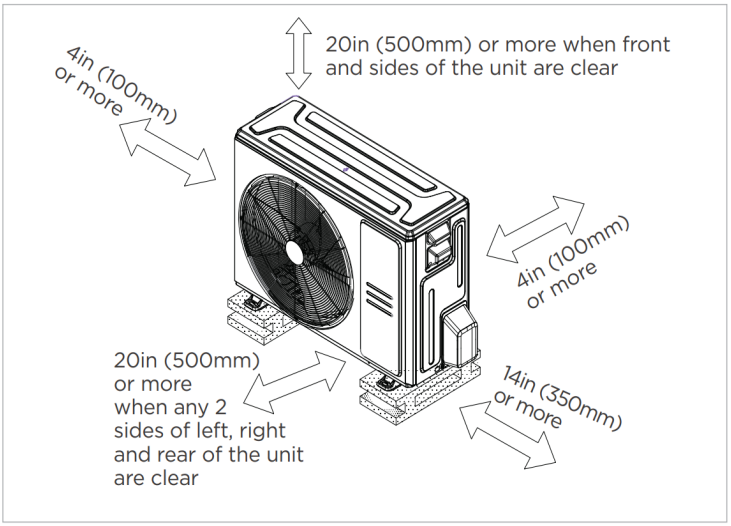
Distance from ceiling relative to height of indoor unit

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.

FEATURES

- 360° Air Flow
- Remote on-off and alarm ports
- Refrigerant leakage detection sensor(Optional)
- Humidity sensor
- Built-in pump
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- 2-pin connector(HA/HB) for programmable wired controller
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Infrared wired controller: 120L
  - Wireless remote controller
  - Third-Party 24V Thermostat*

*24V interface is required.