



INNOVATION IN HIDDEN  
TEMPERATURE CONTROL

# Ambiance Air

A concealed luxury PTAC

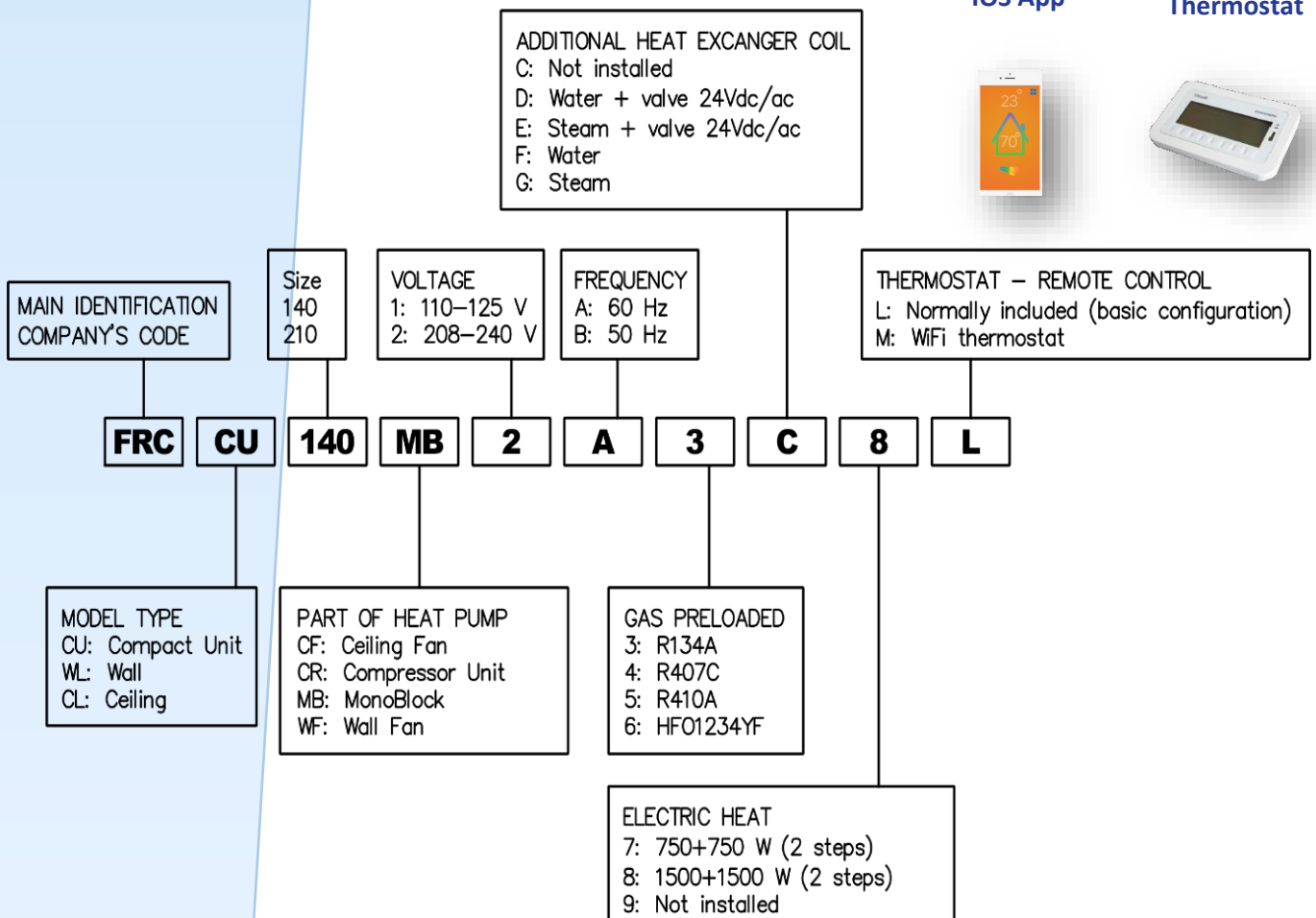
## FRC SERIES

## CEILING SPLIT UNIT – MODEL CL 140 - 210

### FEATURES

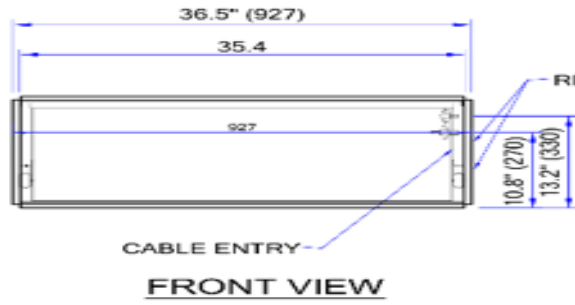
- ✓ Concealed, hidden design
- ✓ Through the wall installation – No external unit
- ✓ Less build-out than Central AC
- ✓ Ideal for retrofit projects and new constructions
- ✓ High-end residential & commercials
- ✓ UL Listed products
- ✓ No required millwork enclosure
  
- ✓ Alternative to PTAC units / Central Air systems
- ✓ Ductless split system
- ✓ Possible ductwork – 4inchH2O for 50Ft ductwork length
- ✓ Suction accumulator pre-charged with refrigerant R-134a
- ✓ Piping length up to 150 Ft between condenser and evaporator units

- ✓ 24-hours operation - Cooling / Heating mode
- ✓ Fast restart due to bypass valve
- ✓ Self-integrated condensate pump with spray system
- ✓ Brushless DC fan for noise reduction
- ✓ Summer fan mode
- ✓ Auto / Manual fan speed mode
- ✓ Energy efficient rotary compressor
  
- ✓ High efficiency – 15 000 to 23 000 Btu/h
- ✓ High SEER
  
- ✓ Built-in sensors for remote assistance
- ✓ Digital wireless touchpad controls
- ✓ IOS App for remote control

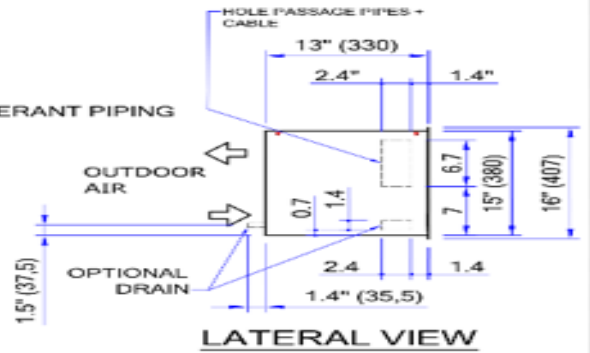


**FRC SERIES  
MODEL CL 140**

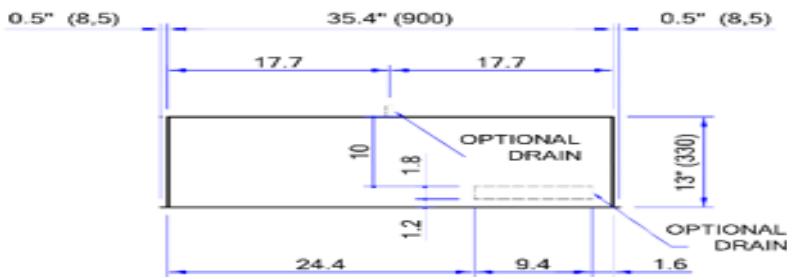
**DIMENSIONS CEILING SPLIT UNIT  
MODEL CL 140 – up to 15 710 Btu/h**



**FRONT VIEW**



**LATERAL VIEW**

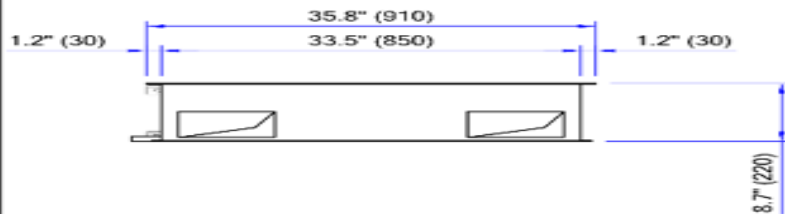


**PLAN VIEW**

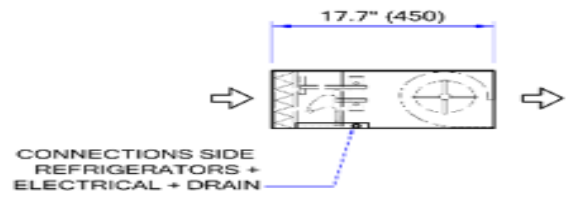
**CONDENSER UNIT**

DESCRIPTION : CONDENSER - MODEL HEAT PUMP  
FRC – CL – 140 RIF : NYC / Cooling : 15,710 BTU/H

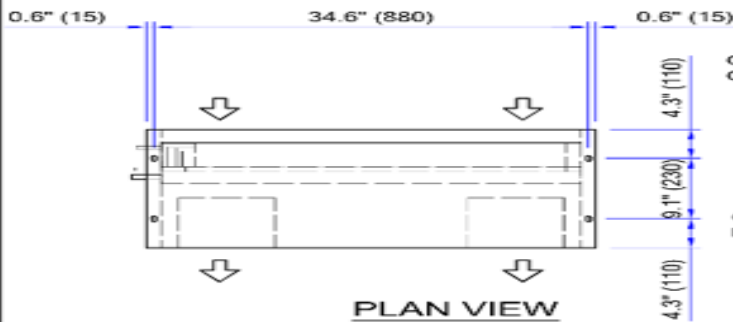
DEPTH x WIDTH x HEIGHT (Sleeve)  
13 13/64" x 36 1/2" x 14 61/64"



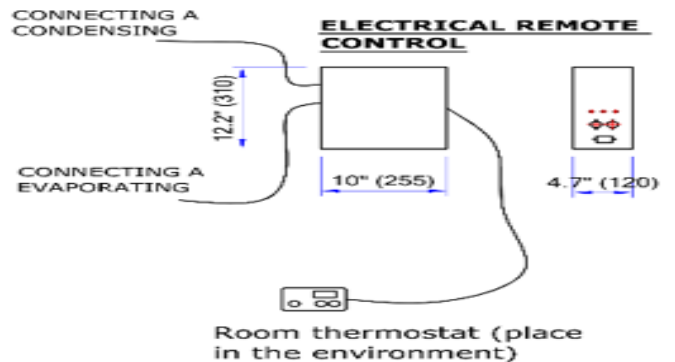
**FRONT VIEW**



**LATERAL VIEW**



**PLAN VIEW**



Room thermostat (place in the environment)

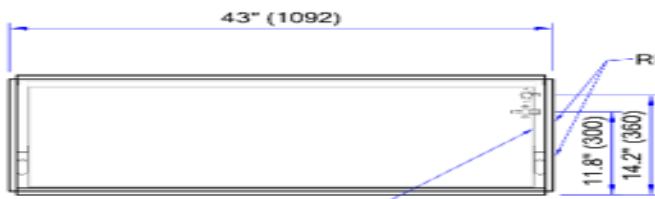
**EVAPORATOR UNIT**

DESCRIPTION : EVAPORATOR  
FRC – CL – 140 RIF : NYC

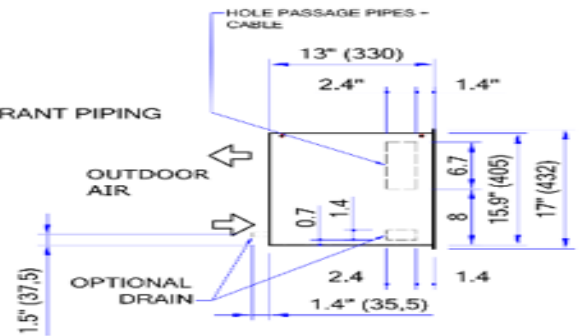
DEPTH x WIDTH x HEIGHT  
17 23/32" x 35 53/64" x 9 1/16"

**FRC SERIES  
MODEL CL 210**

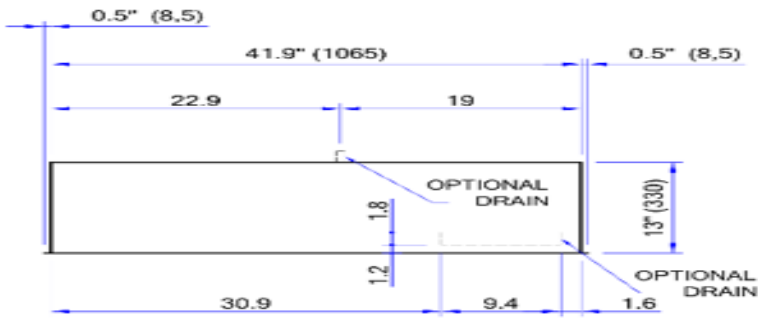
**DIMENSIONS CEILING SPLIT UNIT  
MODEL CL 210 – up to 22 850 Btu/h**



**FRONT VIEW**



**LATERAL VIEW**

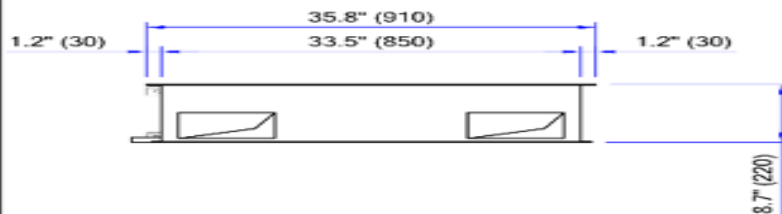


**PLAN VIEW**

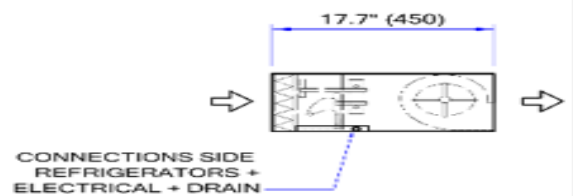
**CONDENSER UNIT**

**DESCRIPTION :** CONDENSER - MODEL HEAT PUMP  
FRC - CL - 210 RIF : NYC / Cooling : 22,850 BTU/H

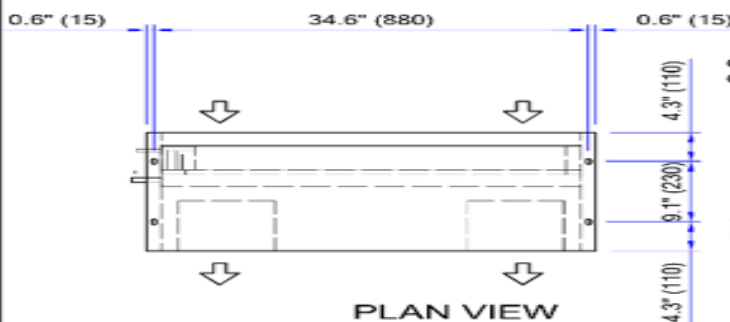
**DEPTH x WIDTH x HEIGHT (Sleeve)**  
13" x 43" x 15 15/16"



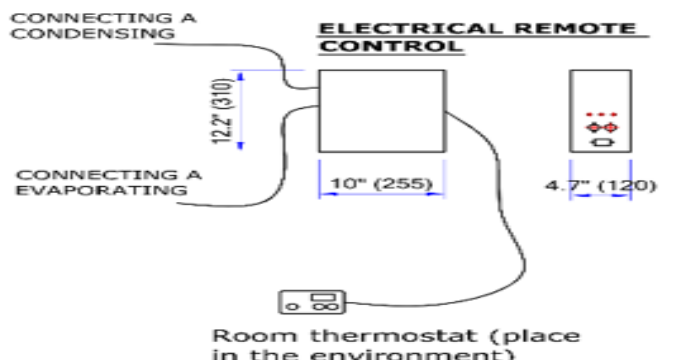
**FRONT VIEW**



**LATERAL VIEW**



**PLAN VIEW**



Room thermostat (place in the environment)

**DESCRIPTION :** EVAPORATOR  
FRC - CL - 210 RIF : NYC

**DEPTH x WIDTH x HEIGHT**  
17 23/32" x 35 53/64" x 9 1/16"



INNOVATION IN HIDDEN  
TEMPERATURE CONTROL

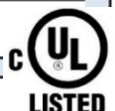
# Ambiance Air

A concealed luxury PTAC

Serie FRC – CL (Ceiling Unit)			MODEL 140	MODEL 210
HEATING PUMP CAPACITY Indoor temperature 70°F Indoor humidity 55% Outdoor air +47°F	high speed	BTU/h	18,024	25,942
	medium speed	BTU/h	16,777	23,185
	low speed	BTU/h	16,106	21,580
	high speed	kW	5.9	8.5
	medium speed	kW	5.5	7.6
	low speed	kW	5.3	7.1
Coefficient of performance	C.O.P.	(BTU/h)/kW	14.8	14.1
Total power input	nominal	kW	1.4	2.1
Electrical power	nominal	A	7.2	10.9
2 STAGE HEATERS Indoor temperature 70°F Indoor humidity 55%	high speed	BTU/h	10,227	10,227
	medium speed	BTU/h	5,114	5,114
	low speed	BTU/h	5,114	5,114
	high speed	kW	3.0	3.0
	medium speed	kW	1.5	1.5
	low speed	kW	1.5	1.5
Total power input	nominal	kW	3.3	3.3
Electrical power	nominal	A	15.6	15.9
COOL CAPACITY TOTAL Indoor temperature 80°F Indoor humidity 51% Outdoor temperature +95°F Outdoor humidity 39%	high speed	BTU/h	15,710	22,850
	medium speed	BTU/h	15,287	22,279
	low speed	BTU/h	15,342	21,679
	high speed	kW	4.6	6.7
	medium speed	kW	4.5	6.5
	low speed	kW	4.5	6.4
Energy efficiency ratio	E.E.R.	(BTU/h)/kW	13.7	13.5
Total power input	nominal	kW	1.1	1.7
Electrical power	nominal	A	5.7	8.5
Air flow	high speed	cfm	387	481
	medium speed	cfm	327	391
	low speed	cfm	286	331
Power only fan	high speed	kW	0.09	0.11
	medium speed	kW	0.08	0.10
	low speed	kW	0.08	0.08
Available air pressure	max	Pa	90	60
Power consumption	stand-by	kW	0.01	0.01
Maximum power consumption	max	A	10	16
Source voltage		standard	208-230 volt\1phase\60herz	
Refrigerant		type	R134A	
Noise room level cold	max-med-min	dB(A)	41-32-30	44-36-33
Noise room level heat pump	max-med-min	dB(A)	42-33-30	44-38-34
Noise room level electric heaters	max-med-min	dB(A)	35-31-29	37-32-29
Noise external level	max-min	dB(A)	45-33	49-36
Refrigerating pipes	nominal	inches	1/4 - 3/4 (up 5 meters)	
Weight internal unit		kg	15	15
Weight external unit		kg	36	40

Noise hemispheric field at a distance of 3 m in room ambient - Noise hemispheric field at a distance of 10 m in external ambient

Heatpump designed to operate up to 32°F outside in winter - Temperatures below the heating is provided only by electric heaters



## ACCESSORIES for all version CU-WL-CL

FRC SERIES MODEL 140	FRC SERIES MODEL 210
WATER COIL + 24Vdc/ac (140) VALVE	WATER COIL + 24Vdc/ac (210) VALVE
STEAM COIL + 24Vdc/ac (140) VALVE	STEAM COIL + 24Vdc/ac (210) VALVE
WATER COIL (140)	WATER COIL (210)
STEAM COIL + 24Vdc/ac (140) VALVE	STEAM COIL + 24Vdc/ac (210) VALVE
ELECTRIC HEATER 750+750W	ELECTRIC HEATER 1500+1500W
STANDARD WIFI KBLUE THERMOSTAT	

### Custom shop details:

- Custom fan for long ductworks: up to 65 Feet long / pipe diameter: 9.8"  
Please contact us for specific needs

## MODEL – HEAT PUMP – FRC SERIES CL 140 / 210

