



Project:

Model: SHFC —Vertical Stack Fan Coil

Dev. B

Date:

Revision:

SIGMA Job #:

SUBMITTAL SET

Document: SIGMA-SHFC-SUB-2406



Presented By:



SIGMA SHFC HI-RISE VERTICAL STACK FAN COIL

SUMMARY PAGE

Standard Features

- Vertical Stack Fan Coil
 - 120V/1Ph/60Hz
 - 208-240V/1Ph/60Hz
- Pipe System
 - 2-Pipe with Electric Heater
 - 2-Pipe without Electric Heater
 - 4-Pipe
 - 4-Pipe with 6-Way Valve
- Cabinet: 20 Gauge Galvanized Steel with 1/2" Sound Insulation
- Unit Mounted Disconnect Switch
- ECM Fan Motor with 3-speeds
- Coil Pack as per schedule
- Hose Kits
- Isolation Ball Valves:
 - Sweat x NPSM
 - FNPT x FNPT
 - FNPT x FNPT w/ PT Ports

Optional Accessories

- Electric Heater
- Optional Auto-Flow Balancing Valves
- Optional 2-Way Motorized Zone Valves
- Optional 3-Way Motorized Zone Valve
- Optional 6-Way Motorized Zone Valve
- Pressure Independent Balancing Control Valves (PICV)
- Y-Strainer
- Return Air Panel
 - Optional Panel Mounted Front Discharge Supply Grille
- Thermostat with backlit LCD display, with 3-Speed Fan:
 - 7-Day Programmable, Auto Change-Over (ACO)
 - Wi-Fi Smart, Programmable, Auto Change-Over (ACO), ERV on/off
 - Non-Programmable, Auto Change-Over (ACO)
- Freeze Protection Sensor
- Condensate Overflow Switch
- Flood Protection Package
- BTU Meter Installation
- Filters
 - 1-inch MERV 8 Pleated Filters
 - Optional 2-inch MERV 13 Pleated Filters
- Type M, or Type L Supply and Return Risers as per schedule
- Type M, or Type L Condensate Risers as per schedule
- 1-in Supply and Return Riser Fiber Glass Insulation
- Optional 3/4-in Supply and Return Riser Closed Cell Insulation
- Optional 3/8-in Condensate Riser Closed Cell Insulation



**SIGMA SHFC
HI-RISE VERTICAL STACK FAN COIL**

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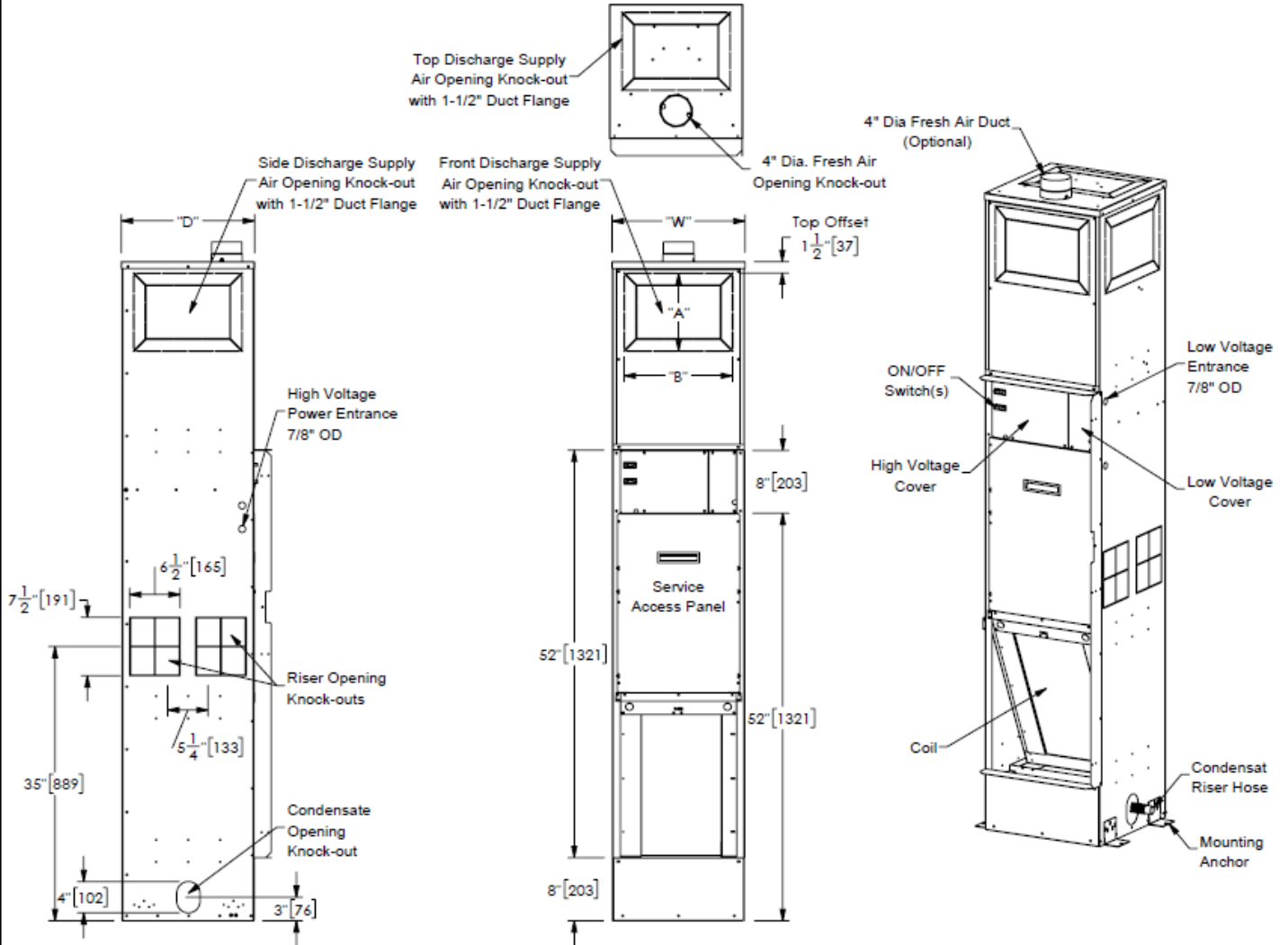
SIGMA-SHFC-SUB-2406

UNIT AND RISER COUNT SUMMARY



SIGMA SHFC HI-RISE VERTICAL STACK FAN COIL

SHFC - CABINET DIMENSIONS



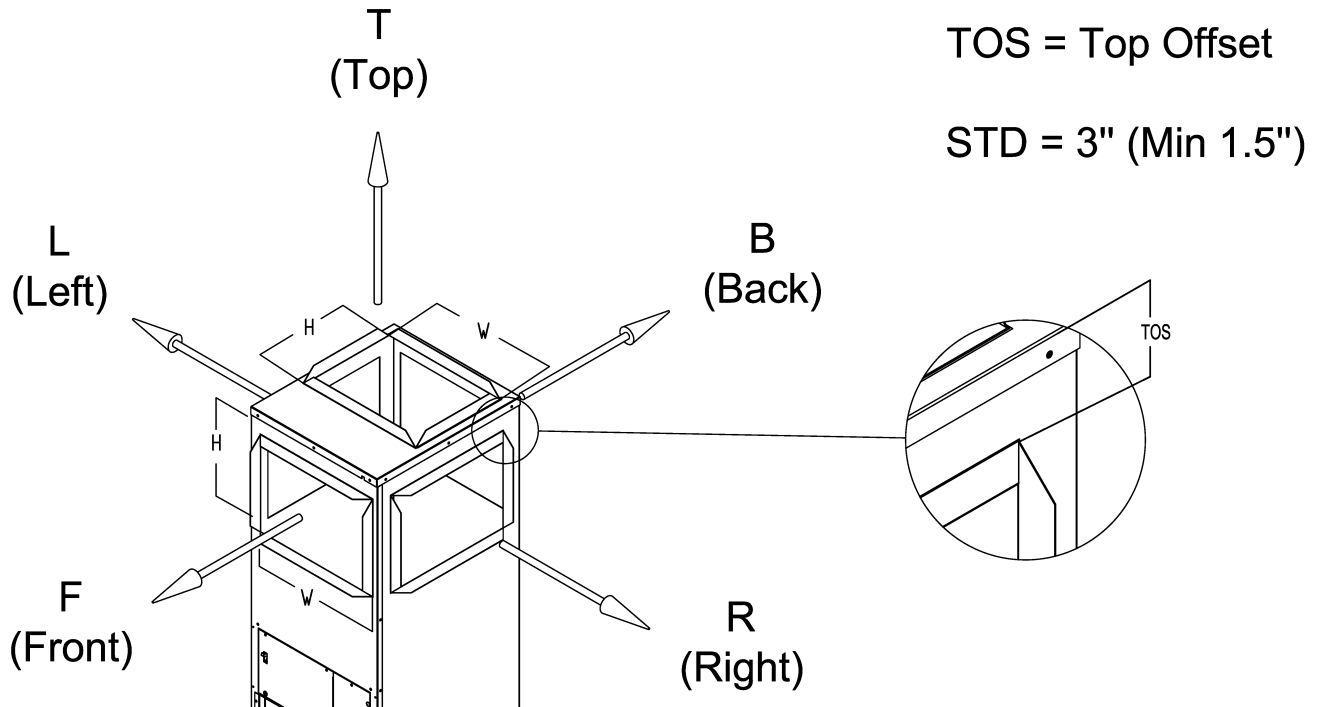
Model	Nominal CFM	Cabinet Dimensions (in)			Discharge Openings (in)	
		Width (W)	Depth (D)	Height (H)	Front/Left/Right/Back (WxH)	Top (WxH)
SHFC 03	350	17	17	84	14 x 10	14 x 10
SHFC 04	450	17	17	84	14 x 10	14 x 10
SHFC 06	600	17	17	84	14 x 10	14 x 10
SHFC 08	800	20	18.5	84	16 x 10	16 x 10
SHFC 10	1000	20	18.5	84	16 x 10	16 x 10
SHFC 12	1200	20	18.5	84	16 x 10	16 x 10

Note:

Discharge opening sizes shown (WxH) are customer configurable. Published sizes shown are maximum default factory sizes. Customer to verify discharge opening sizes match design requirements for proper airflow and confirm appropriate discharge openings at time of order.

SHFC - DISCHARGE OPENINGS

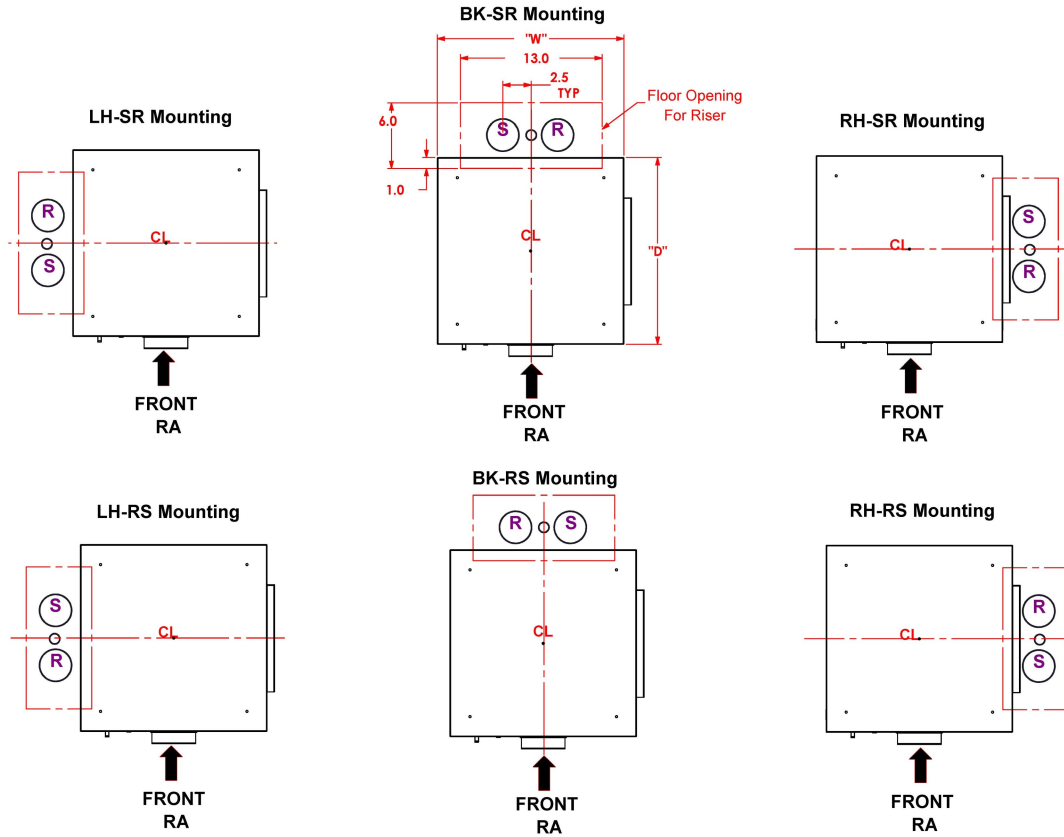
Units comes with standard “*Knockout*” style discharge openings on top and all sides for field configuration. This allows for custom discharge configurations based on site requirements. Discharge opening sizes are configurable to meet site design conditions.



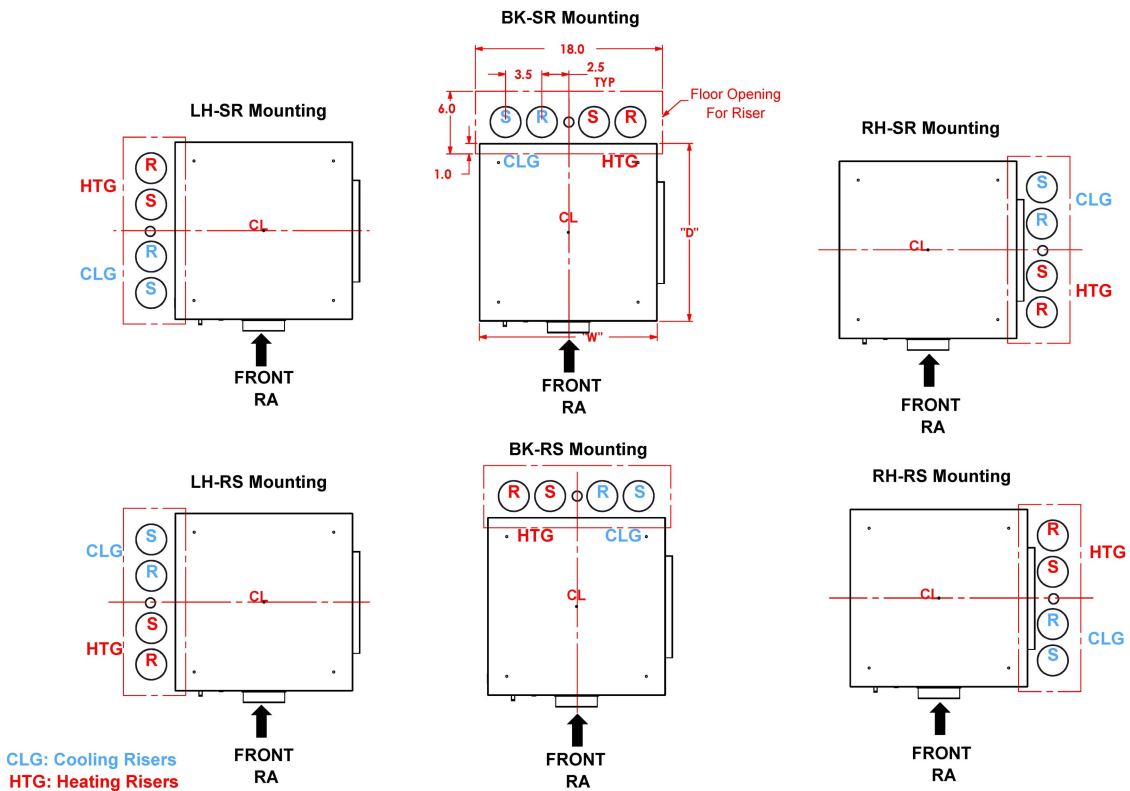
Notes:

- Discharge opening sizes are customer configurable. Published sizes shown are maximum factory default sizes. Customer to verify discharge opening sizes match design requirements for proper airflow and select appropriate discharge openings at time of order.
- Unit comes standard with field “knockout” style discharge openings on all sides. Discharge flanges are 1.5 inches (38mm).
- Optional Line of Site Baffles (LOSBS) are available where privacy is required with two or more horizontal discharges (Front, Left, Right and/or Back).
- All handing's determined by facing return air opening.

SHFC - RISER LAYOUT (2-PIPE)



SHFC - RISER LAYOUT (4-PIPE)





SIGMA SHFC HI-RISE VERTICAL STACK FAN COIL

SHFC - ELECTRICAL DATA (120V - 2 PIPE w/ ECM)

ELECTRICAL DATA - ECM MOTOR (NO HEATER)

MODEL	SUPPLY VOLTAGE	Fan Motor		Electric Heater kW (120V)	Total Unit FLA	MIN. CCT. AMPACITY	(MOP)	MAX FUSE /CCT. BKR. AMP	MAX PRESSURE (PSI)	MAX EWT TEMPERATURE (F) (2Pipe/4Pipe)
		HP	FLA							
SHFC03	120V/1/60	0.25	1.8	0.0	1.8	2.25	4.05	15	300	140 / 160
SHFC04	120V/1/60	0.25	2.4	0.0	2.4	2.94	5.29	15	300	140 / 160
SHFC06	120V/60/1	0.33	2.4	0.0	2.4	2.94	5.29	15	300	140 / 160
SHFC08	120V/60/1	0.33	4.4	0.0	4.4	5.50	9.90	15	300	140 / 160
SHFC10	120V/60/1	0.50	5.1	0.0	5.1	6.38	11.48	15	300	140 / 160
SHFC12	120V/60/1	0.50	6.0	0.0	6.0	7.44	13.39	15	300	140 / 160

ELECTRICAL DATA - ECM MOTOR- 2 PIPE SYSTEM ONLY (0.5 KW HEATER)

MODEL	SUPPLY VOLTAGE	Fan Motor		Electric Heater kW (120V)	Total Unit FLA	MIN. CCT. AMPACITY	(MOP)	MAX FUSE /CCT. BKR. AMP	MAX PRESSURE (PSI)	MAX EWT TEMPERATURE (F)
		HP	FLA							
SHFC03	120V/1/60	0.25	1.8	0.5	6.0	7.46	8.22	15	300	140
SHFC04	120V/1/60	0.25	2.4	0.5	6.5	8.15	9.45	15	300	140
SHFC06	120V/60/1	0.33	2.4	0.5	6.5	8.15	9.45	15	300	140
SHFC08	120V/60/1	0.33	4.4	0.5	8.6	10.71	14.07	15	300	140
SHFC10	120V/60/1	0.50	5.1	0.5	9.3	11.58	15.64	15	300	140
SHFC12	120V/60/1	0.50	6.0	0.5	10.1	12.65	17.55	15	300	140

ELECTRICAL DATA - ECM MOTOR- 2 PIPE SYSTEM ONLY (1.0 KW HEATER)

MODEL	SUPPLY VOLTAGE	Fan Motor		Electric Heater kW (120V)	Total Unit FLA	MIN. CCT. AMPACITY	(MOP)	MAX FUSE /CCT. BKR. AMP	MAX PRESSURE (PSI)	MAX EWT TEMPERATURE (F)
		HP	FLA							
SHFC03	120V/1/60	0.25	1.8	1.0	10.1	12.67	12.38	15	300	140
SHFC04	120V/1/60	0.25	2.4	1.0	10.7	13.35	13.62	15	300	140
SHFC06	120V/60/1	0.33	2.4	1.0	10.7	13.35	13.62	15	300	140
SHFC08	120V/60/1	0.33	4.4	1.0	12.7	15.92	18.23	20	300	140
SHFC10	120V/60/1	0.50	5.1	1.0	13.4	16.79	19.81	20	300	140
SHFC12	120V/60/1	0.50	6.0	1.0	14.3	17.85	21.72	20	300	140

ELECTRICAL DATA - ECM MOTOR- 2 PIPE SYSTEM ONLY (1.5KW HEATER)

MODEL	SUPPLY VOLTAGE	Fan Motor		Electric Heater kW (120V)	Total Unit FLA	MIN. CCT. AMPACITY	(MOP)	MAX FUSE /CCT. BKR. AMP	MAX PRESSURE (PSI)	MAX EWT TEMPERATURE (F)
		HP	FLA							
SHFC03	120V/1/60	0.25	1.8	1.5	14.3	17.88	16.55	20	300	140
SHFC04	120V/1/60	0.25	2.4	1.5	14.9	18.56	17.79	20	300	140
SHFC06	120V/60/1	0.33	2.4	1.5	14.9	18.56	17.79	20	300	140
SHFC08	120V/60/1	0.33	4.4	1.5	16.9	21.13	22.40	25	300	140
SHFC10	120V/60/1	0.50	5.1	1.5	17.6	22.00	23.98	25	300	140
SHFC12	120V/60/1	0.50	6.0	1.5	18.5	23.06	25.89	25	300	140

SHFC - OPTIONAL ELECTRIC HEATER DATA

Model Size	CFM	Electric Heater Air Temp Rise		
		0.5	1	1.5
SHFC03	350	4.5	9.0	13.5
SHFC04	450	3.5	7.0	10.5
SHFC06	600	2.6	5.3	7.9
SHFC08	800	2.0	4.0	5.9
SHFC10	1000	1.6	3.2	4.7
SHFC12	1200	1.3	2.6	4.0

Air Temp Rise (Delta T) = (kW*3160)/CFM = (MBH*925)/CFM



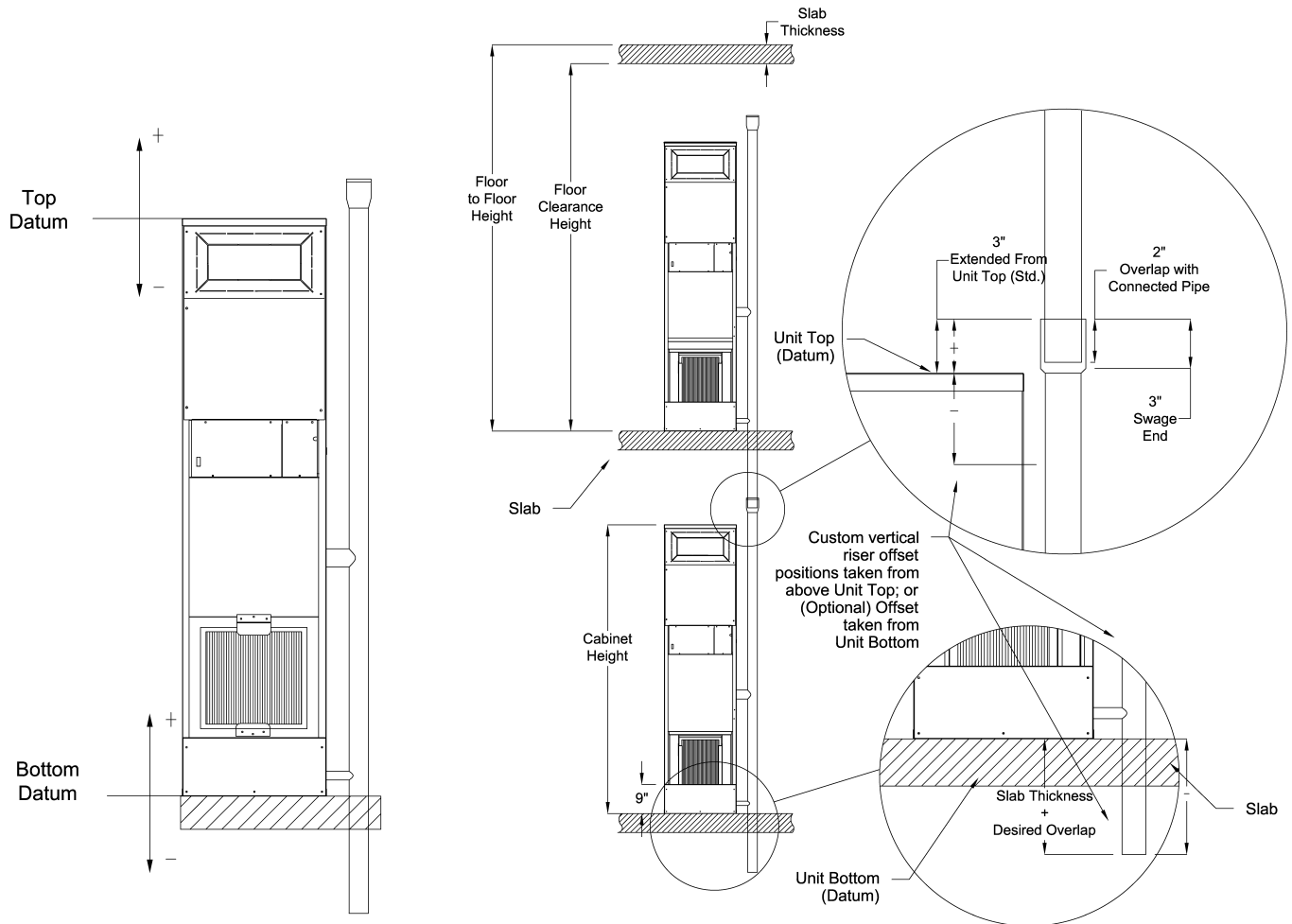
**SIGMA SHFC
HI-RISE VERTICAL STACK FAN COIL**

SHFC - ECM FAN DATA

Model	Rated SCFM	Speed	External Static Pressure (in w.g.)						
			0	0.1	0.2	0.3	0.4	0.5	0.6
			SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM
03	350	LOW	275	235	220	200	180	-	-
		MED	310	275	250	230	210	185	-
		HIGH	405	370	350	315	280	235	200
04	450	LOW	340	300	275	240	220	-	-
		MED	410	370	350	338	315	290	260
		HIGH	500	470	455	435	420	400	360
06	600	LOW	450	410	370	320	275	-	-
		MED	610	580	555	525	490	460	-
		HIGH	700	675	655	640	610	580	550
08	800	LOW	560	520	480	440	410	-	-
		MED	740	695	640	595	550	500	-
		HIGH	895	860	805	780	760	735	700
10	1000	LOW	760	720	660	620	560	-	-
		MED	890	840	800	750	700	650	600
		HIGH	1080	1040	990	950	900	860	820
12	1200	LOW	800	740	695	640	600	-	-
		MED	1120	1090	1050	1010	970	920	-
		HIGH	1350	1275	1240	1205	1175	1140	1100

Note: All airflow ratings are taken at lowest voltage rating of dual rating (ie. 208 volt).
Airflow ratings include resistance of dry coil, Return Air panel and clean MERV10 air filters.

SHFC - RISER INSTALL DETAIL

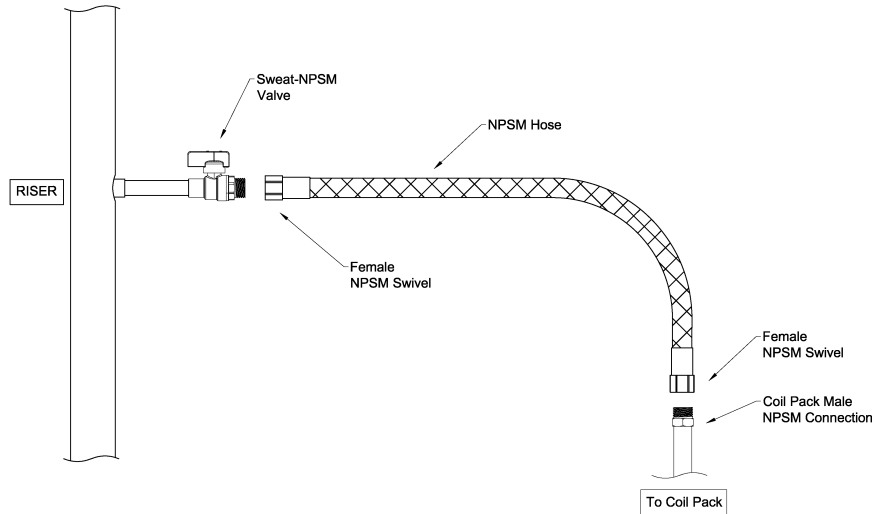


Notes:

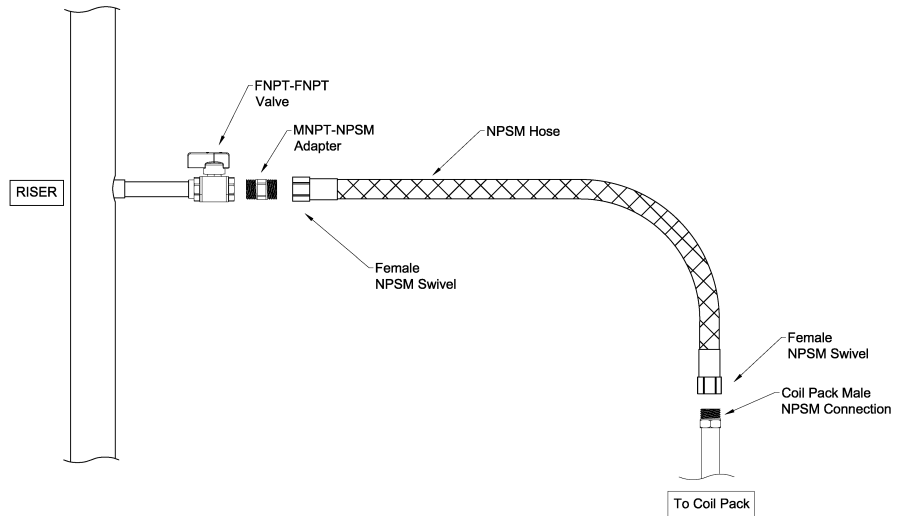
- Risers are sized using a "Top" and "Base" Datum reference. A specified Top Datum Offset indicates where top of riser will be located relative to top of cabinet. A Base Datum indicates where bottom of riser will be located relative to floor.
- Upon request Sigma will provide 3-inch (75mm) deep swage on risers .
- Risers should insert 2-inches (50mm) into the 3-inch (75mm) deep swage connection.
- Riser Length = Floor Clearance Height + Slab Thickness + 2-inch overlap (Rounded up to 120" or 144").
- Sigma supplies two standard riser lengths, 120" (10') and 144" (12').
- Supply extension tailpieces or transition riser pieces for joining dissimilar piping sizes are field supplied.
- Risers available in Type L and Type M copper.
- Condensate riser are available with optional 3/8-inch (10mm) thick closed cell insulation to prevent condensation.
- Supply and Return risers are available with 1/2-inch (13mm), or optional 3/4-inch (19mm) closed cell insulation.

SHFC - ISOLATION VALVE & HOSE INSTALL DETAIL

STANDARD VALVE - SWEAT CONNECTED NPSM



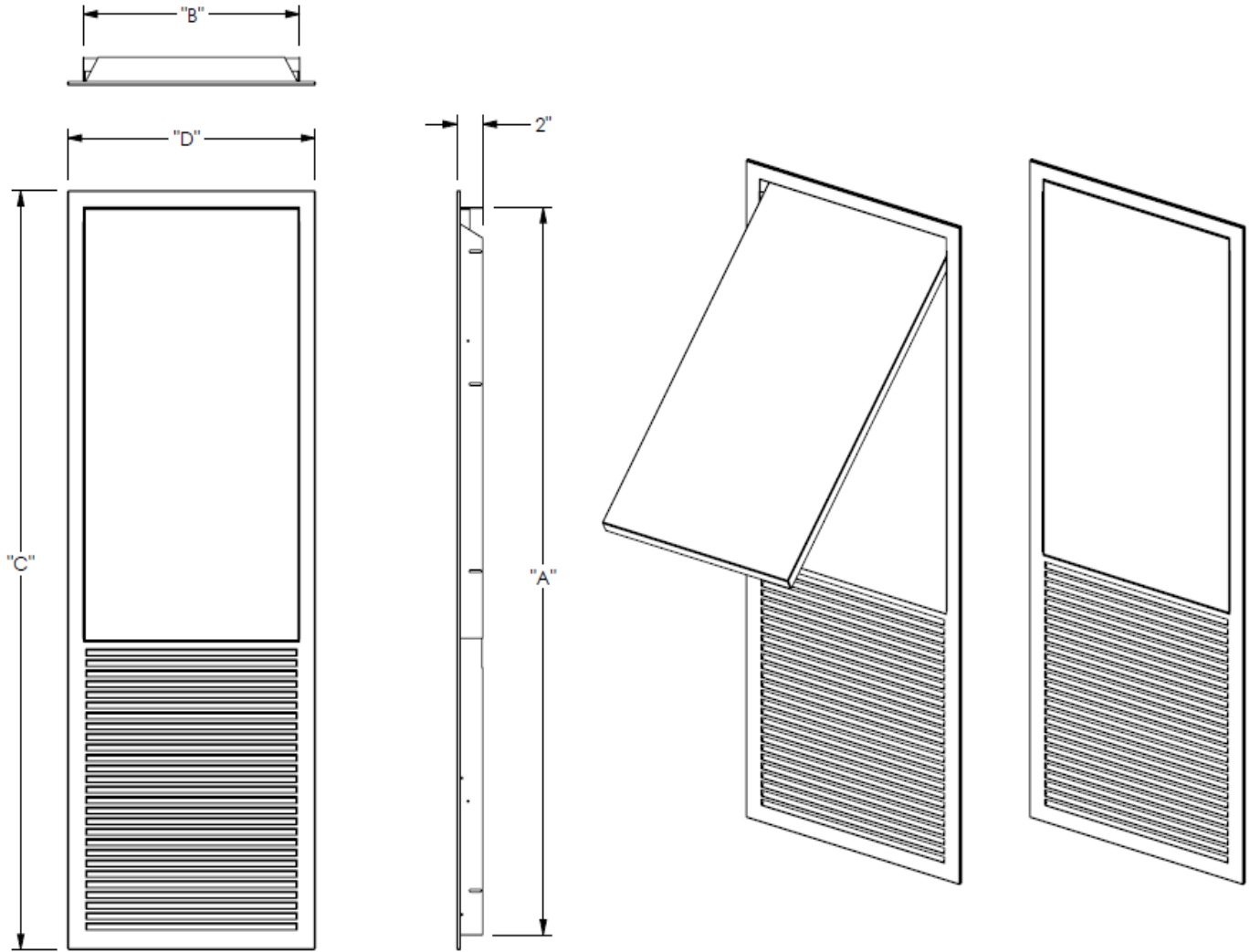
OPTIONAL FPT VALVE - FPT to FPT



Isolation Valve Notes:

- Standard NPSM sweat connected isolation valves are for Factory or Field Supplied Copper Risers.
- Optional Female NPT valves are for Field Supplied Risers only. Includes MNPT-MNPSM hose adaptors with hose kit.
- Optional Female NPT valves with PT ports are available.

SHFC - ACOUSTIC RETURN AIR PANEL



Acoustic Panel Dimensional Data				
Model Size	A	B	C	D
SHFC03	51 3/4	16 7/8	54	19 1/4
SHFC04	51 3/4	16 7/8	54	19 1/4
SHFC06	51 3/4	16 7/8	54	19 1/4
SHFC08	51 3/4	19 7/8	54	22 1/4
SHFC10	51 3/4	19 7/8	54	22 1/4
SHFC12	51 3/4	19 7/8	54	22 1/4

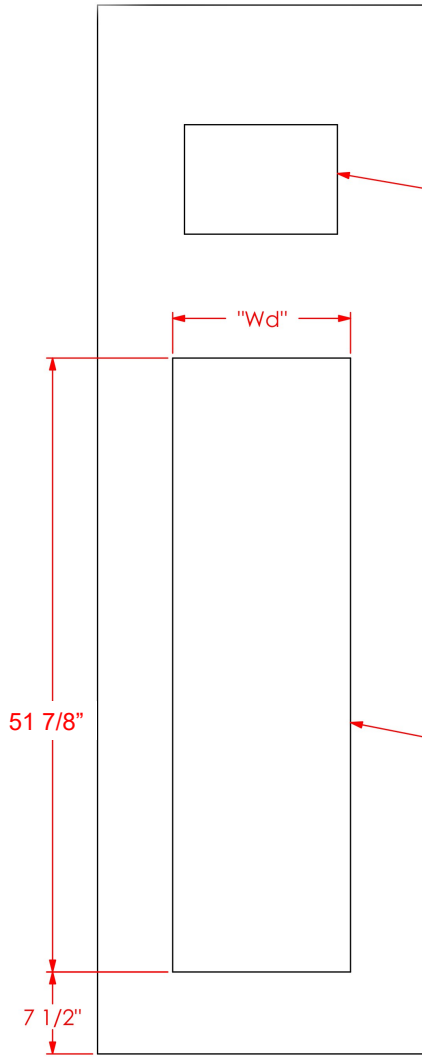
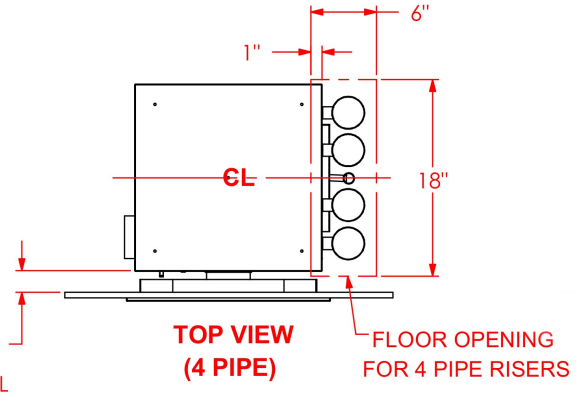


SIGMA SHFC HI-RISE VERTICAL STACK FAN COIL

SHFC - ACOUSTIC RETURN AIR PANEL ROUGH IN DETAILS

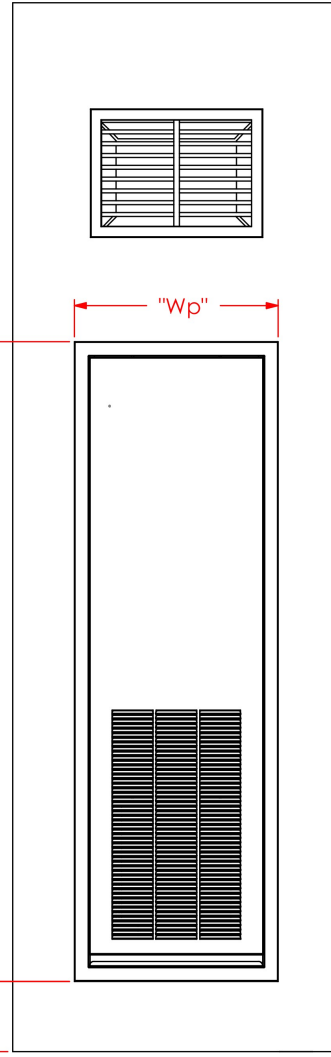
Acoustic Panel Furring Details

Model	Unit Size CFM	Opening "Wd"	RA Panel "Wp"
SHFC03	350	17	19.25
SHFC04	450	17	19.25
SHFC06	600	17	19.25
SHFC08	800	20	22.25
SHFC10	1000	20	22.25
SHFC12	1200	20	22.25

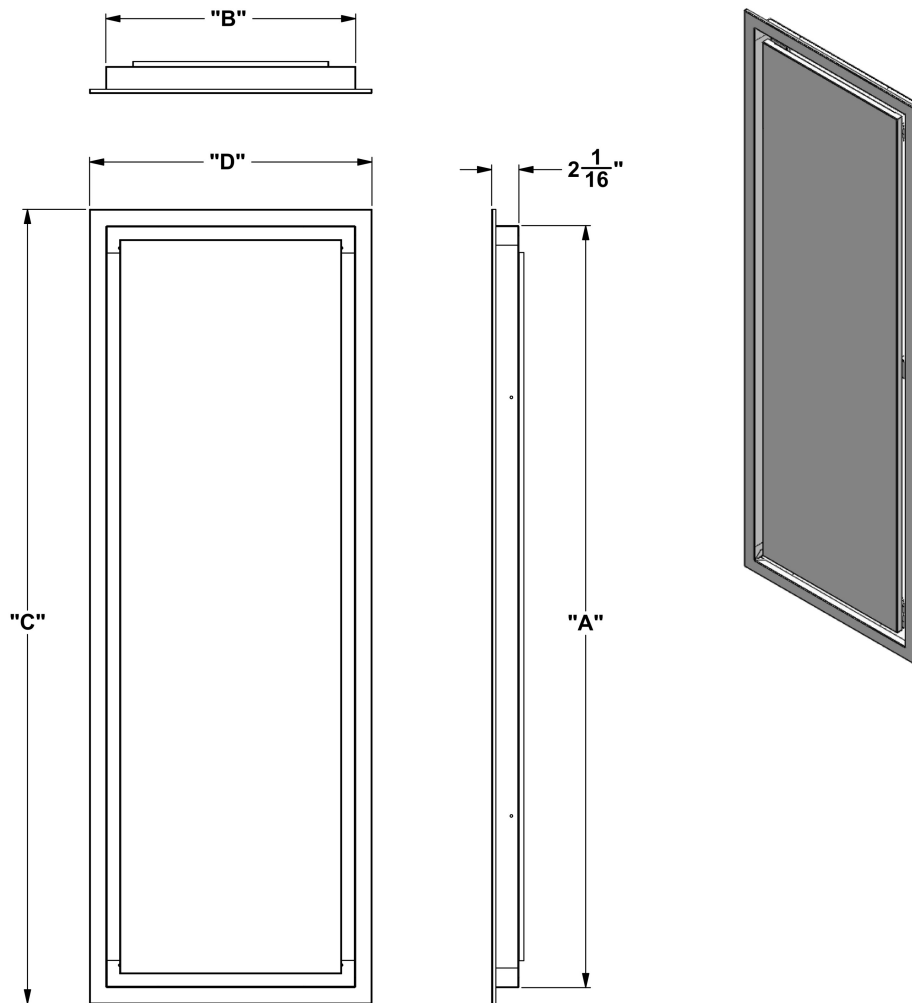


OPENING AS
PER SUPPLY
AIR GRILL
MANUFACTURER
RECOMMENDATION

DRYWALL
OPENING
FOR RETURN
AIR PANEL



SHFC - PERIMETER RETURN AIR PANEL



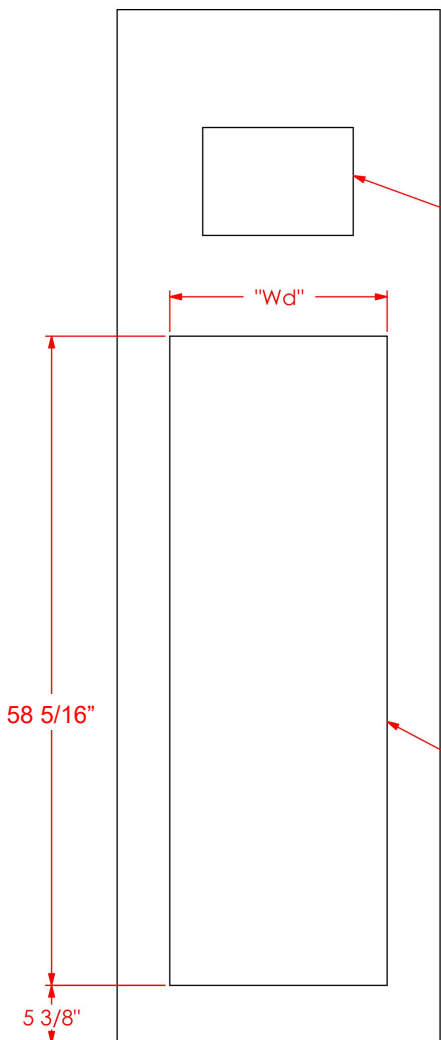
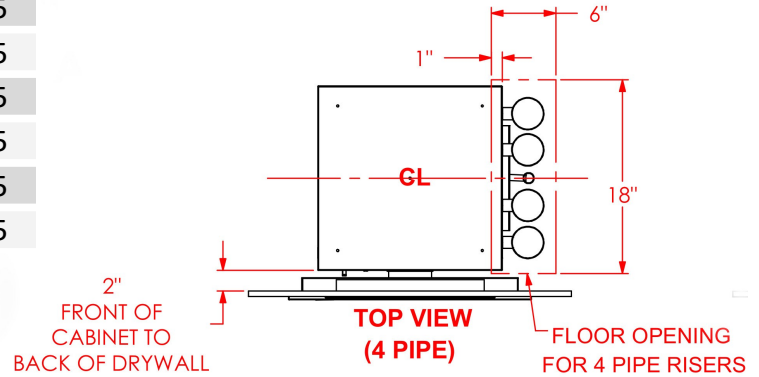
Perimeter Panel Dimensional Data				
Model Size	A	B	C	D
SHFC03	58.25	20.13	60.75	22.63
SHFC04	58.25	20.13	60.75	22.63
SHFC06	58.25	23.13	60.75	25.63
SHFC08	58.25	23.13	60.75	25.63
SHFC10	58.25	25.13	60.75	27.63
SHFC12	58.25	25.13	60.75	27.63



SIGMA SHFC HI-RISE VERTICAL STACK FAN COIL

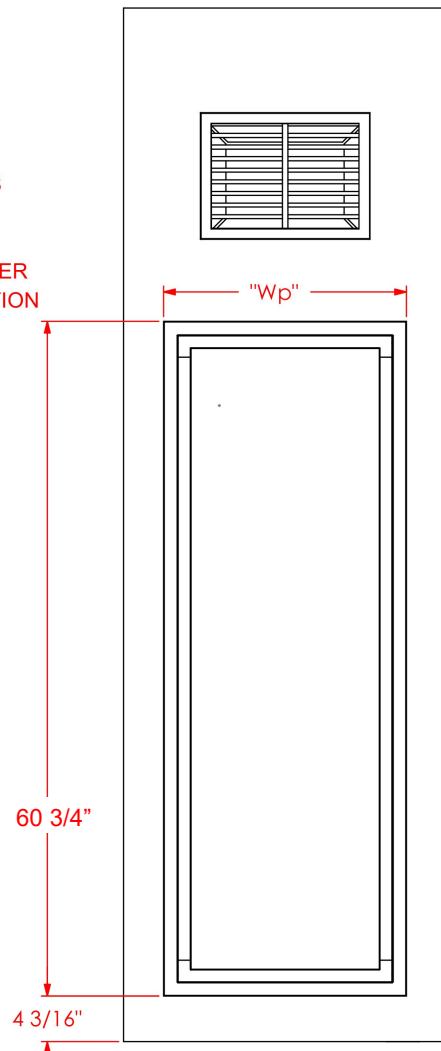
SHFC - PERIMETER RETURN AIR PANEL ROUGH IN DETAILS

Perimeter Panel Furring Details			
Model	Unit Size CFM	Opening "Wd"	RA Panel "Wp"
SHFC03	350	20.25	22.25
SHFC04	450	20.25	22.25
SHFC06	600	23.25	25.25
SHFC08	800	23.25	25.25
SHFC10	1000	25.25	27.25
SHFC12	1200	25.25	27.25



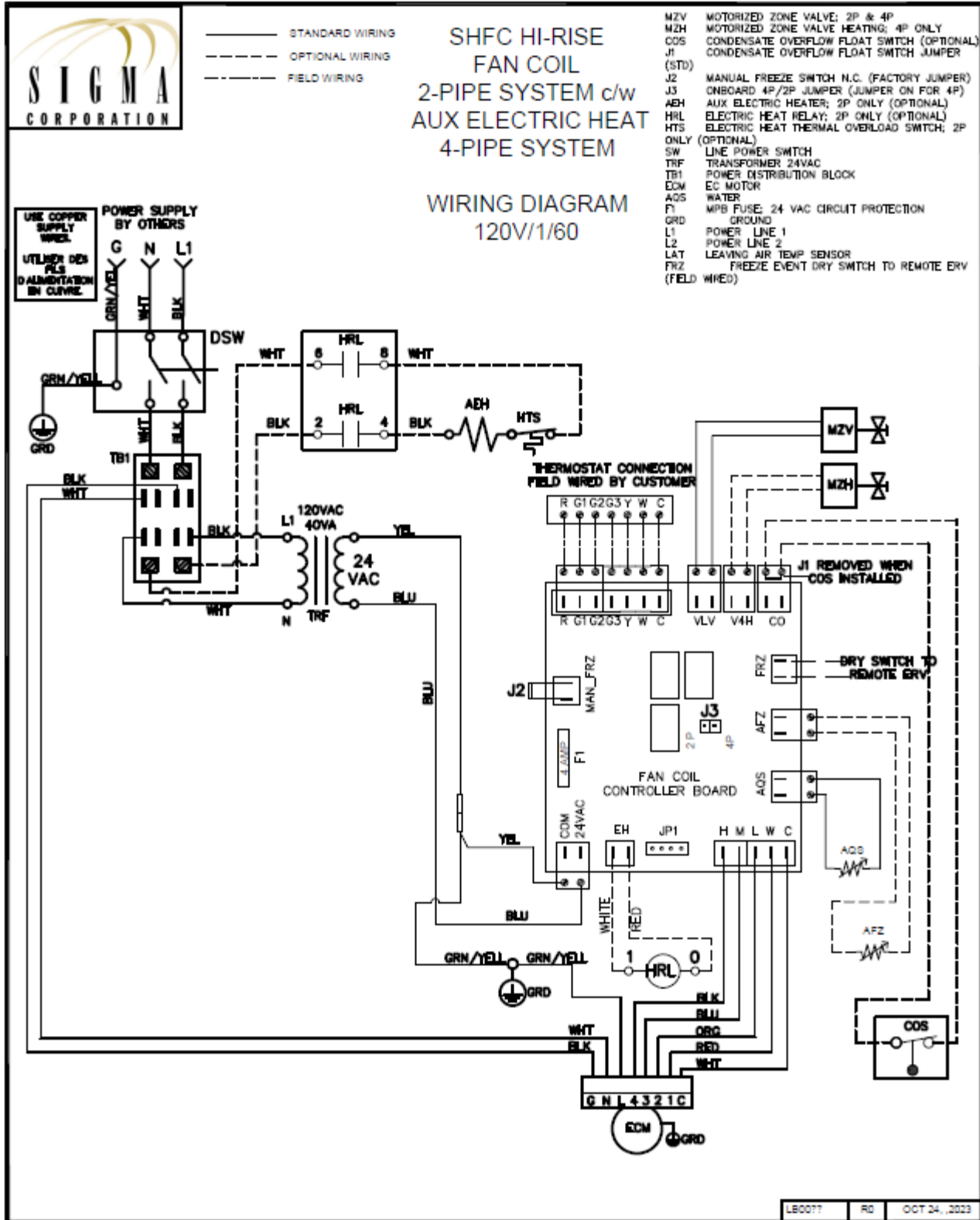
OPENING AS PER SUPPLY AIR GRILL MANUFACTURER RECOMMENDATION

DRYWALL OPENING FOR RETURN AIR PANEL



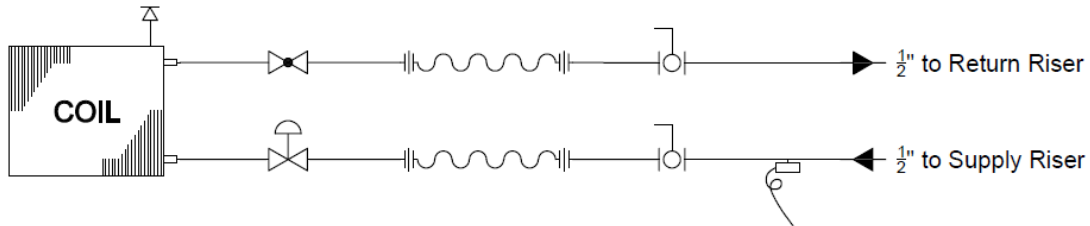
FRONT VIEW

SHFC - ELECTRICAL SCHEMATIC (2-PIPE or 4-PIPE)

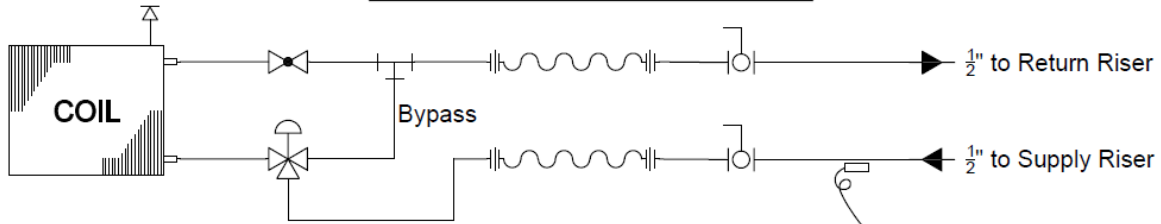









SHFC - PIPING DIAGRAM—2 Way and 3 Way

2 Way Piping Schematic



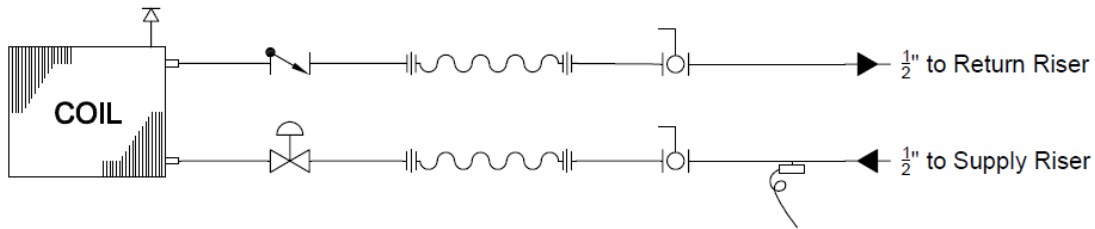
3 Way Piping Schematic



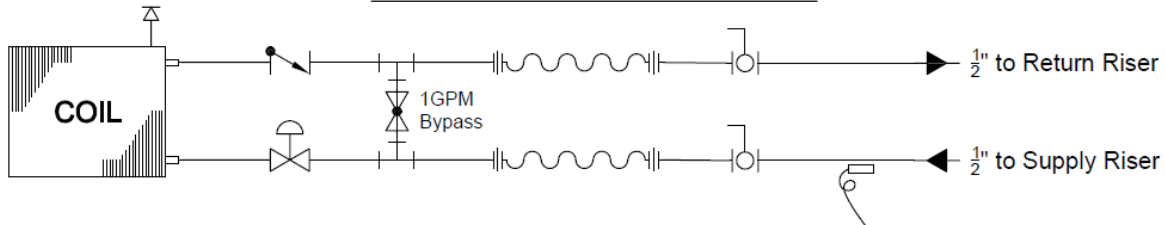
-  Air Vent
-  Auto Balancing Valve
-  Flexible Hose
-  Shut Off Ball Valve
-  2 Way Control Valve (NC to Coil, Failed safe close to coil)
-  3 Way Control Valve (NC to Coil, Failed safe close to coil)
-  Pipe Sensor for 2 Pipe System









SHFC - PIPING DIAGRAM—2 Way and 3 Way—Flood Protection


2 Way Piping Schematic



3 Way Piping Schematic



-  Air Vent
-  Auto Balancing Valve
-  Check Valve
-  Flexible Hose
-  Shut Off Ball Valve
-  2 Way Control Valve (NC, Failed to Last Position) - (PICV)
-  3 Way Control Valve (NC to Coil, Failed to Last Position)
-  Pipe Sensor for 2 Pipe System

	Manufacturers of Hydronic Heating Products 3325A Orlando Dr., Mississauga, Ontario, Canada, L4V 1C5 Tel: 905-670-3200, Fax: 905-670-3822	PLOT SCALE: 1=1	PROJECT: Monsheong	Submittal for Monsheong Stouffville 2 LTC.
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			Piping Diagram Schematic	SHEET 1 OF -



SHFC - CONTROLS

Discrete Speed Control EC Motors (ECM)

High efficiency ECM fan motors are programmed with 3 pre-programmed speeds for Low, Medium, and High.

Thermostat

It is recommended to use a fan coil compatible, 3-speed thermostat to control heating and cooling operation to maximizing staging. Single fan speed thermostats will need to be wired to the desired fan speed on unit terminal strip.

SEQUENCE OF OPERATION

Call for Cooling

When a call for cooling is made, and the temperature reading from the riser is sufficient for cooling the motorized auto shut-off control valve will be energized to the open position. The contactor will then be energized so long as none of the following fault conditions are present:

- Condensate Over Flow Alarm (Optional)

When a call for cooling request is terminated, the motorized auto shut-off control valve will be de-energized (close) and fan operation will end.

If the water temperature is not sufficient for cooling, the motorized zone valve will not be energized.

Call for Heating

When a call for heating is made, and the temperature reading from the riser is sufficient for heating the motorized auto shut-off control valve will be energized to the open position.

When a call for heating request is terminated, the motorized auto shut-off control valve will be de-energized (close) and fan operation will end.

If the water temperature is not sufficient for heating, the motorized zone valve will not be energized and ignore command from thermostat. If there is an optional electric heater, and the water loop is not high enough for heating demand the electrical heater will be energized.



SHFC - MECHANICAL SPECIFICATION

1 GENERAL

Vertical stacked fan coil units shall be Sigma SHFC Series. Units shall provide scheduled capacities at the ampacity and voltage shown on the drawings. Specified airflow shall be at the scheduled external static pressure and shall include the effects of a wet coil and clean filter.

Each unit shall be factory tested. Each unit shall have factory affixed label showing ETL logo. Cabinets shall be factory wired and pre-piped when applicable.

2 CABINET

2.1 The vertical stacked fan coil units shall be Sigma. Units shall provide scheduled capacities at the ampacity and voltage specified.

2.2 The cabinet shall be 20-gauge galvanized steel. Cabinet shall have internal surfaces insulated with 1/2 inch thick, 3.5 lbs. high-density, mold resistant, thermal and acoustic insulation. Insulation shall meet NFPA 90, UL-181, and ASTM-C1071 standards and insulation shall have a flame spread of less than 25, and a smoke developed classification of less than 50 per ASTM E-84 and UL 723.

2.3 Physical dimensions of each unit shall be accommodated within furring / ceiling-slab spaces provided as shown on the architectural drawings

2.4 A removable inner service panel allowing service access to the fan, valves and coil pack compartment shall be provided with each unit.

2.5 The drain pan shall be stainless steel. The drain pan outlet shall be readily accessible for cleaning with a 7/8 inch OD (22mm) copper drain connection. Unit shall be provided with a flexible p-trap condensate hose for connection to the condensate riser.

2.6 (Factory) (Field) supplied supply and return risers shall be (Type L) (Type M) copper, with (factory) (field) mounted shut-off ball valves on each supply and return riser. Valves shall be brass and rated for 300 psig (2060kPa). A (Type M) condensate riser shall be (factory) (field) supplied and field installed. Risers sizes shall be installed according to building plans.

2.7 Risers shall have optional factory provided 3-inch (75mm) deep swage. Reducers and caps shall be field provided and field installed. Anchors, and compensators shall be field supplied and field installed.

2.8 Unit cabinet shall come with supply discharge opening "knockouts". All cabinet discharge openings shall include 1-1/2 inch drywall flange around the full opening perimeter. Supply discharge "knockouts" are cut and field selected.

2.9 Supply ducts shall not be rigidly attached to the cabinet and shall be acoustically isolated from cabinet using flexible connections. Contractor shall install flex connection on all discharge openings. There shall be no rigid connection to supply-air discharge grilles or supply ducts.

2.10 Each unit shall have a removable Acoustic Return Air panel. The panel shall be easily removable without tools.

2.11 (Optional) Perimeter Return Air Panel shall be provided. Return air panel shall be a swing door design to allow access to unit controls, servicing and filter.

2.12 (Optional) Provide each unit with 2-inch thick MERV 13

pleated filters.

3 FAN & BLOWER

3.1 Each unit shall include a factory mounted forward curved, double inlet double width centrifugal direct drive fan and motor assembly with internal overload protection. The blower fan assembly shall be positioned horizontally from a sheet metal blower deck.

3.2 Units shall be supplied with an ECM fan motor as standard. Fan motors speeds shall be factory programmed and field selectable by wiring thermostat to required fan speed terminals.

4 COIL PACK

4.1. Provide high temperature and pressure rated water hoses for connection of the risers to the coil pack. The hoses supplied shall be constructed with an inner core of rubber, a stainless-steel metal braid, and rubber outer covering. Fittings shall be brass construction. Hoses shall carry a working pressure rating of 600 psig.

4.2. The coil pack shall be mounted inside the fan cabinet. Air side coils shall have copper tubes mechanically bonded to aluminum fins. Coil shall be sized to meet scheduled performance for cooling and heating. Provide 1" T/A filter on coil face.

4.3 The coil pack shall have factory installed 2-way control valves, as specified on the mechanical drawings.

4.4 (Optional) The coil pack shall employ an optional 3-way motorized auto shut-off valve to shut off water to the unit. Valve shall be factory installed as part of the coil pack assembly.

4.5 (Optional) The coil pack shall employ an optional 6-way motorized auto shut-off valve to shut off water to the unit. Valve shall divert cooling or heating water to the single coil pack. Coil pack shall be factory installed as part of the coil pack assembly.

4.6 (Optional) The coil pack shall employ an optional pressure independent control valve (PICV) to shut off water to the unit and balance water flow.

4.7 (Optional) The coil pack shall employ optional autoflow balancing valve factory installed in the coil pack to maintain specified unit water flow rate over 2-80 psig differential water pressure. Auto flow balancing valve shall be field serviceable.

4.8 (Optional) The coil pack shall come with optional y-strainer with #20 mesh screen to filter any debris and shall be field serviceable.

5 CONTROLS

5.1 Each unit shall be factory wired with all necessary controls. Each unit shall come standard with a fan motor contactor, 24-volt control power transformer, terminal block for low voltage field wiring connection, and terminal block for main power electrical connection, (optional) unit mounted service disconnect switch.

5.2 (Optional) Condensate Overflow Switch shall be installed in the drain pan and wired to the electrical box compartment.

5.3 Thermostats shall be 24VAC, field wired to the unit terminal strip. Thermostats shall be (non-programmable) (programmable). Thermostats shall be suitable for fan coil operation and have 3 fan speed control capability with Auto Change-Over and LCD backlit display.



SHFC - MECHANICAL SPECIFICATION CONT'D

6 TESTING & WARRANTY

6.1 Each unit shall be factory tested using a multi-step controlled testing equipment to prevent operator error during factory testing.

6.2 Warranty shall be for parts, 1 year not to exceed 18 months from date of shipment.

7 EXECUTION

7.1 Units shall be installed neat and level.

7.2 Flush the system per manufacturer instructions before connecting fan coil. Contractor shall join supply and return riser flexible hoses together, at the top/bottom on every riser and at the farthest point from the pump for flushing purposes. Contractor shall not flush or clean riser system through the unit coil pack.

7.3 Installing contractor shall install risers and install riser transition piece connections where riser sizes change.

7.4 The hoses shall be installed in the field by the contractor to the riser isolation valves. The flare fittings on the hoses shall be connected according to industry standard (Finger tighten then tighten with wrench while always using back-up wrench).

7.5 Flush the system per manufacturer instructions before connecting coil pack. The riser system shall be flushed, cleaned and commissioned before connecting fan coil units to the riser system.

7.6 Contractor shall provide flexible duct connections on all single piece units.

SHFC - ACCESSORIES — SUPPLY AIR GRILLE



SUBMITTAL SHEET

Rev. 21

GSA20/GSA27 - GAA20/GAA27 Series All dimensions are in inches

Double Deflection Supply Grille

Material: Extruded Aluminum Frame

Air Pattern: Adjustable Air Pattern

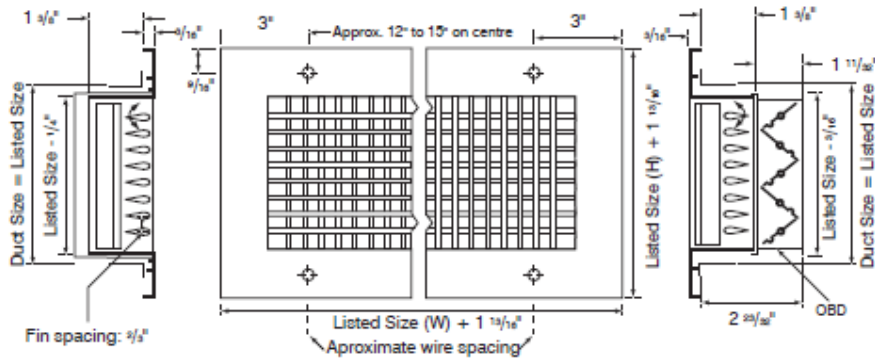
Horizontal Face Bars (Standard)
(Mullion required for w>18")

- GSA20** Steel fins
- GSA27** Steel fins with OBD
- GAA20** Aluminum fins
- GAA27** Aluminum fins with OBD



Vertical Face Bars

- GSA20-V** Steel fins
- GSA27-V** Steel fins with OBD
- GAA20-V** Aluminum fins
- GAA27-V** Aluminum fins with OBD



Options			
<input type="checkbox"/> -GK Flange Gasket	<input checked="" type="checkbox"/> -GN Neok Gasket	<input type="checkbox"/> -GR Rear Gasket	
<input type="checkbox"/> -SF Supplied w/ sub frame	<input type="checkbox"/> -DS Debris (Bird) Screen	<input type="checkbox"/> -IS Inset Screen	<input type="checkbox"/> -FB Fixed Blades 0 degrees



Finish				
<input checked="" type="checkbox"/> /W White (Initial)	<input type="checkbox"/> /B Brushed Aluminium	<input type="checkbox"/> /M Mill Finish	<input type="checkbox"/> /L Brushed and Lacquered	<input type="checkbox"/> /C Custom (Please Specify)

Panel Option for T-bar lay-in Ceiling		
	Steel (WxH)	Aluminum (WxH)
	<input type="checkbox"/> -X1212	<input type="checkbox"/> -Y1212
	<input type="checkbox"/> -X1224	<input type="checkbox"/> -Y1224
	<input type="checkbox"/> -X2412	<input type="checkbox"/> -Y2412
	<input type="checkbox"/> -X2424	<input type="checkbox"/> -Y2424
	<input type="checkbox"/> -X2448	<input type="checkbox"/> -Y2448
	<input type="checkbox"/> -X4824	<input type="checkbox"/> -Y4824
	<input type="checkbox"/> -X2020	<input type="checkbox"/> -Y2020
	No fastening options available	

Fastening Method				
<input type="checkbox"/> -1 No Fastening	<input checked="" type="checkbox"/> -2 Spring clip	<input type="checkbox"/> -3 Screw holes (Standard)	<input type="checkbox"/> -4 Concealed	<input type="checkbox"/> -6 Adhesive tape
Schedule type: _____ Job: _____ Architect: _____ Engineer: _____ Contractor: _____				

SHFC - ACCESSORIES — WI-FI SMART THERMOSTAT—ESC Pro 2



ESC Pro 2
Smart Thermostat



Key Features

- › Up to 3heat/2cool
- › 3 speeds/Auto Fan for High Rise Fancoil
- › Auxiliary ERV On/Off control
- › 3 selectable states: ECO, Comfort, Scheduling
- › Temperature and Humidity display
- › Local weather forecast display
- › Compatible with gas/oil/electric boiler, furnace, heat pump, air-conditioning, High Rise Fancoil
- › Compressor protection
- › 24VAC power (C-wire required)



Main Menu



Main Menu Of Auto Changeover



Terminal Block



Tuya Smart