

# Soffit Mount

## Compact Ceiling Mount Air Handlers

Electric Heat



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### Nomenclature

	C	P	18	01C	H	H	P	03	1	- C
<p><b>Series</b> C = Ceiling mount (uncased)</p> <p><b>Blower Motor Type</b> P = PSC E = ECM Constant Torque</p> <p><b>Unit Size (Nominal MBTUH)</b> 18, 19, 23, 24, 25, 29, 30</p> <p><b>Slab No.</b> 01C, 02C, 03C, 04C, etc. = Copper 01A, 02A, 03A, 04A, etc. = Aluminum</p> <p><b>Metering Device</b> A = Piston (R-410A) w / Access Port H = Non-bleed HP TXV (R-410A)</p>										<p>C = Cased Blank = Uncased</p> <p><b>Voltage</b> 1 = 208/240V, 60 Hz, 1 ph</p> <p><b>Heat</b> 00 = No heat 03 = 3 kW (18-24) 05 = 5 kW (all sizes) 06 = 6 kW (all sizes) 08 = 8 kW (all sizes) 10 = 10 kW (24-30)</p> <p><b>Line Connection</b> S = Stripped Wire (No heat models only) P = Pull Disconnect</p> <p><b>Airflow Configuration</b> H = Horizontal only</p>

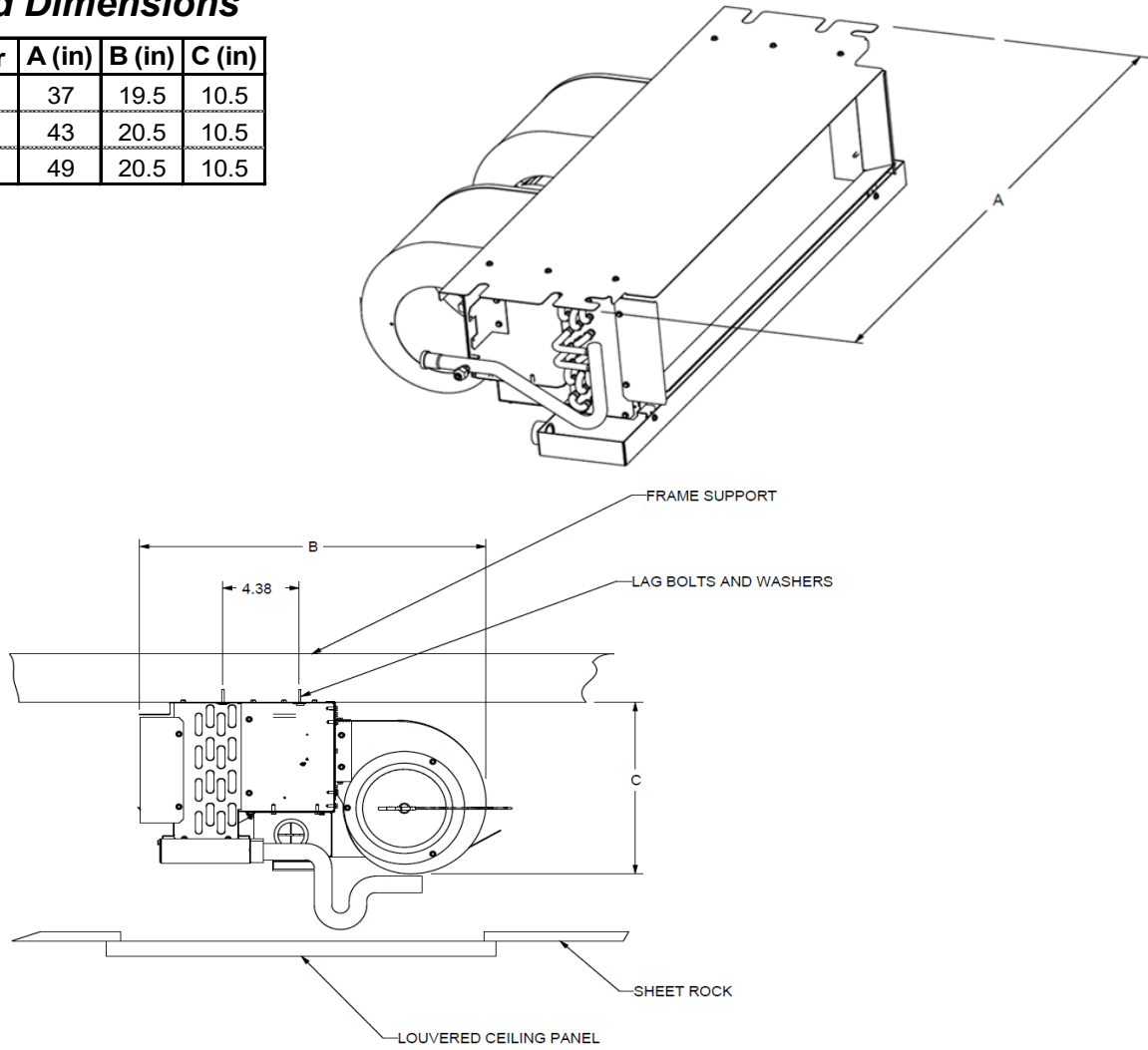


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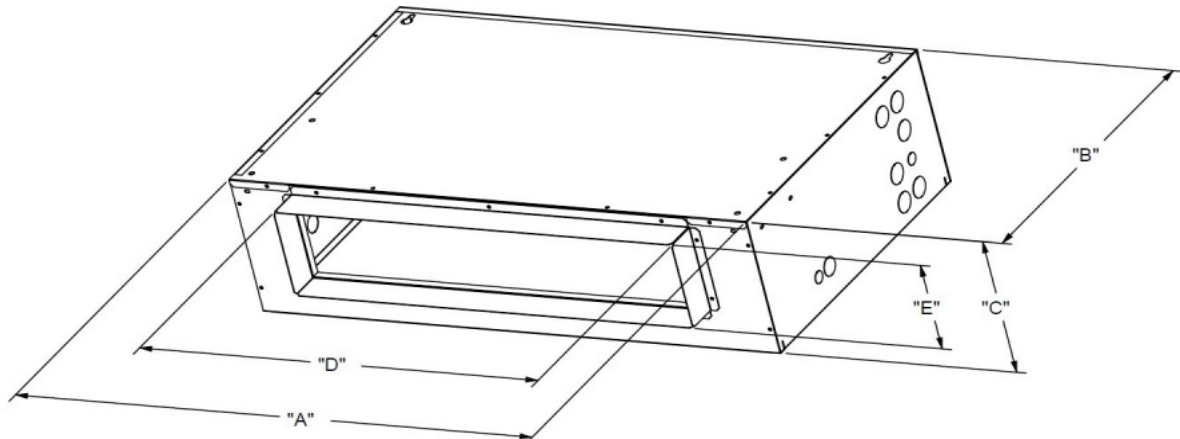
## Uncased Dimensions

Air Handler	A (in)	B (in)	C (in)
18, 23	37	19.5	10.5
19, 24, 29	43	20.5	10.5
25, 30	49	20.5	10.5



## Cased Dimensions

Air Handler Size	A (in)	B (in)	C (in)	D (in)	E (in)
18, 23	39.7	24	11	30.5	7
19, 24, 29	45.7	24	11	36.5	7
25, 30	51.7	24	11	42.5	7



# Electrical Data

Unit Size (All have electric heat)	Heating Capacity		Blower Amps			
	kW	BTUH	PSC		ECM	
	240 V <sup>[1]</sup>	240 V <sup>[1]</sup>	208 V	240 V	208 V	240 V
18, 19	3.0	10,236	1.25	1.25	2.00	2.00
	5.0	17,060	1.25	1.25	2.00	2.00
	6.0	20,472	1.25	1.25	2.00	2.00
	8.0	27,296	1.25	1.25	2.00	2.00
23, 24, 29	3.0 <sup>[2]</sup>	10,236	1.90	1.90	2.00	2.00
	5.0	17,060	1.90	1.90	2.00	2.00
	6.0	20,472	1.90	1.90	2.00	2.00
	8.0	27,296	1.90	1.90	2.00	2.00
	10 <sup>[3]</sup>	34,120	1.90	1.90	2.00	2.00
25, 30	5.0	17,060	1.90	1.90	2.00	2.00
	6.0	20,472	1.90	1.90	2.00	2.00
	8.0	27,296	1.90	1.90	2.00	2.00
	10.0	34,120	1.90	1.90	2.00	2.00

[1] For 208 Volts use .751 correction factor for kW & MBTUH.

[2] 3kW not available in -25 model

[3] 10kW not available in -23 model

Unit Size (All have electric heat)	Heat Capacity	Minimum Circuit Ampacity				Pull Disconnect Amps Per Stage
		kW	PSC		ECM	
	240 V <sup>[1]</sup>	208 V	240 V	208 V	240 V	
18, 19	0.0	1.6	1.6	2.6	2.5	15
	3.0	15.1	17.2	16.0	18.1	30
	5.0	23.2	26.6	24.1	27.5	30
	6.0	28.6	32.8	29.5	33.8	45
	8.0	37.6	43.2	38.5	44.2	45
23, 24, 29	0.0	2.5	2.4	2.6	2.5	15
	3 <sup>[2]</sup>	15.9	18.0	16.0	18.1	30
	5.0	24.0	27.4	24.1	27.5	30
	6.0	29.4	33.6	29.5	33.8	45
	8.0	38.4	44.0	38.5	44.2	45
	10 <sup>[3]</sup>	41.4	54.4	41.6	54.5	60
25, 30	0.0	2.5	2.40	2.6	2.5	15
	5.0	24.0	27.4	24.1	27.5	30
	6.0	29.4	33.6	29.5	33.8	45
	8.0	38.4	44.0	38.5	44.2	45
	10.0	41.4	54.4	41.6	54.5	60

[1] For 208 Volts use .751 correction factor for kW & MBTUH.

[2] 3kW not available in -25 model

[3] 10kW not available in -23 model

## Electrical Connections

- Determine the number of circuits needed to supply the heater with electrical power (1 or 2 circuits). See the air handler Accessory Kit label for number of circuits and ratings.
- Disconnect all power supplies.
- Remove the control panel.
- Using the pre-punched wiring holes, install UL listed wires and fittings.
- Connect appropriate size wire to the pull disconnect terminals.
- Connect green ground wire(s) (1 or 2) to the ground terminal(s) (1 or 2) marked "GND".
- Install conduit-opening plugs in any unused openings.
- Reinstall the air handler control panel.
- Reconnect power.
- Dispose of all remaining parts.

