

## Specification Guide

# Soffit Mount Multi-Family Air Handlers for Lennox



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## Nomenclature

<p><b>L</b> = LENNOX</p> <hr/> <p><b>BLOWER MOTOR TYPE</b></p> <p><b>S</b> = PSC</p> <p><b>E</b> = ECM Constant Torque</p> <hr/> <p><b>AIRFLOW CONFIGURATION</b></p> <p><b>C</b> = Ceiling Mounted Horizontal AH</p> <hr/> <p><b>UNIT SIZE (NOMINAL MBTUH)</b></p> <p>18, 19, 23, 24, 25, 29, 30</p> <hr/> <p><b>METERING DEVICE</b></p> <p><b>1</b> = Piston (R-410a)</p> <p><b>9</b> = Non Bleed HP-A/C TXV Valve (R-410a)</p> <hr/> <p><b>SLAB NUMBER</b></p> <p>C01, C03, C05 etc...</p> <p>A01, A03, A05 etc...</p>	<p><b>L</b>   <b>S</b>   <b>C</b>   <b>24</b>   <b>1</b>   <b>C03</b> - <b>P</b>   <b>05</b>   <b>1</b>   <b>-C</b></p>	<p style="text-align: right;">C = Cased Blank = Uncased</p> <hr/> <p><b>VOLTAGE</b></p> <p><b>1</b> = 240/208v, 1 ph. 60 hz w/Time Delay</p> <hr/> <p><b>HEAT</b>      <b>Note:</b> Maximum 10 Kw per electrical supply circuit</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">SIZE</th> <th style="text-align: left;">Kw Available</th> </tr> </thead> <tbody> <tr> <td><b>00</b> = 0 Kw ELEC.</td> <td><b>18, 19, 23, 24</b> 3, 5, 6, 8</td> </tr> <tr> <td><b>03</b> = 3 Kw ELEC.</td> <td><b>All sizes</b> 3, 5, 6, 8, 10</td> </tr> <tr> <td><b>05</b> = 5 Kw ELEC.</td> <td><b>24, 25, 29, 30</b> 5, 6, 8, 10</td> </tr> <tr> <td><b>06</b> = 6 Kw ELEC.</td> <td></td> </tr> <tr> <td><b>08</b> = 8 Kw ELEC.</td> <td></td> </tr> <tr> <td><b>10</b> = 10 Kw ELEC.</td> <td></td> </tr> </tbody> </table> <hr/> <p><b>LINE VOLTAGE CONNECTION/CIRCUIT PROTECTION</b></p> <p><b>S</b> = Stripped Wire</p> <p><b>P</b> = Pull Disconnect</p>	SIZE	Kw Available	<b>00</b> = 0 Kw ELEC.	<b>18, 19, 23, 24</b> 3, 5, 6, 8	<b>03</b> = 3 Kw ELEC.	<b>All sizes</b> 3, 5, 6, 8, 10	<b>05</b> = 5 Kw ELEC.	<b>24, 25, 29, 30</b> 5, 6, 8, 10	<b>06</b> = 6 Kw ELEC.		<b>08</b> = 8 Kw ELEC.		<b>10</b> = 10 Kw ELEC.	
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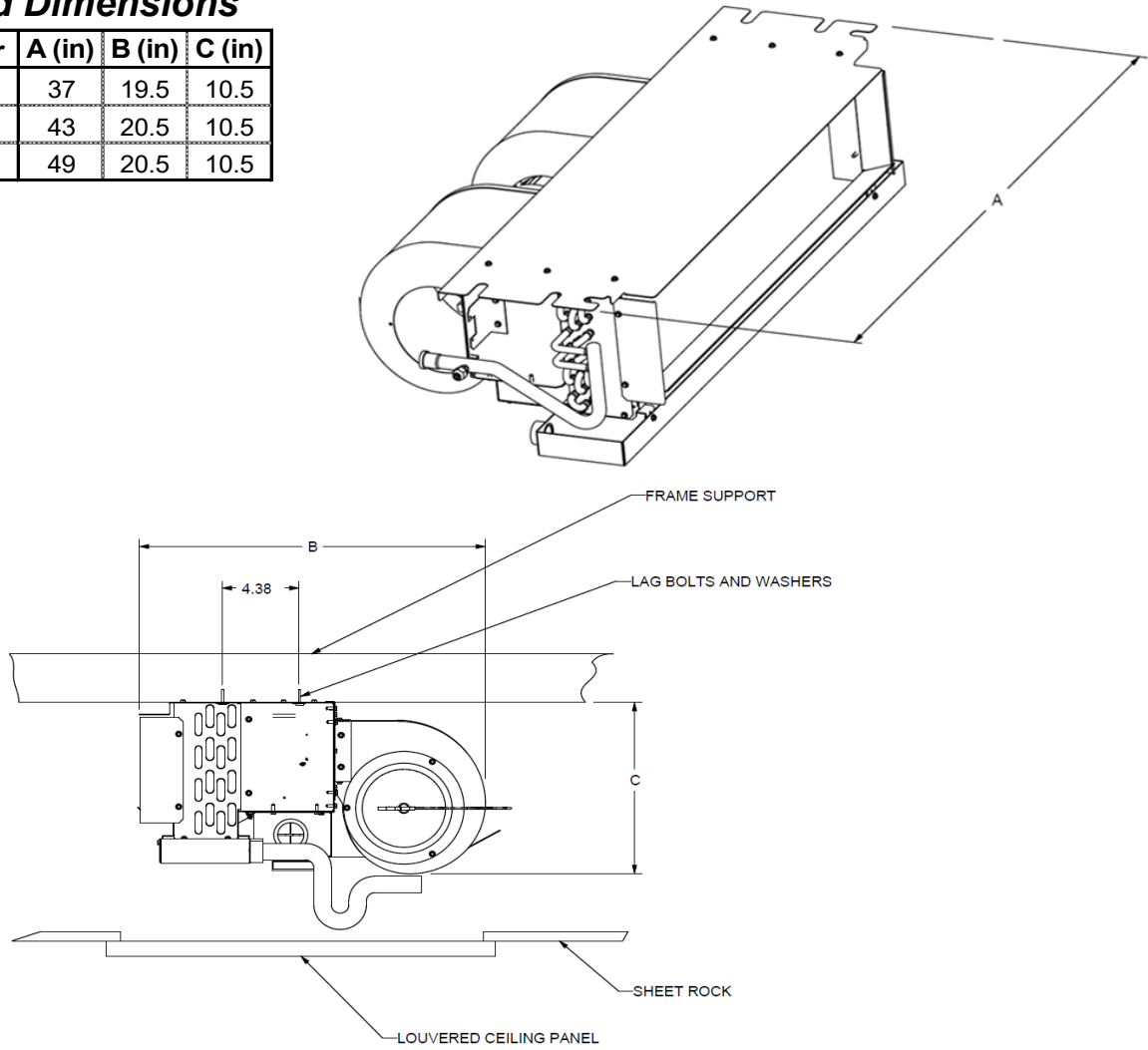
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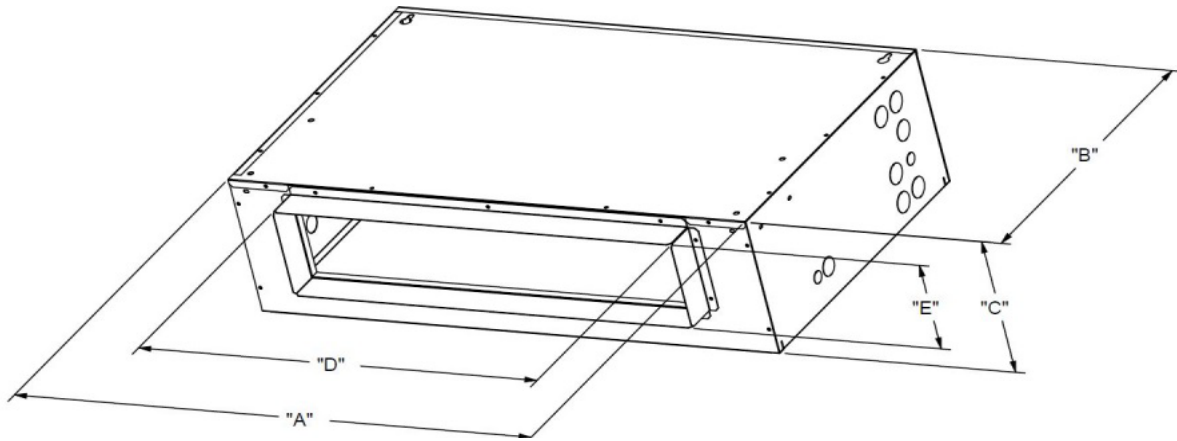
## Uncased Dimensions

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	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>[2]</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] 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	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	3.0	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>[2]</sup>	41.4	54.4	41.6	54.5	60
25, 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
	10.0	41.4	54.4	41.6	54.5	60

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

[2] 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.

