



**Pro Fit HVAC, LLC**

P.O. Box 443  
 15713 St. Rt. 116  
 St. Marys, OH 45885

Todd Klosterman  
 Cell: 419-305-7629  
 todd@proairsales.com

Emily Klosterman  
 Cell: 419-733-4733  
 emily@proairsales.com

**SUBMITTAL TRANSMITTAL**

Project No.: 2018-05111

**NOTE:**

**First Floor**

Project Description: *(Project Title, Facility Name and Address)*

Dayton Children's  
 Ambulatory Renewal Project

Date: 8/27/21

**TO:**

Cinfab LLC  
 \_\_\_\_\_  
 5240 Lester Road  
 \_\_\_\_\_  
 Cincinnati, OH 45213  
 \_\_\_\_\_  
 \_\_\_\_\_

**FROM:**

PRO FIT HVAC, LLC  
 \_\_\_\_\_  
 PO BOX 443  
 \_\_\_\_\_  
 ST. MARYS, OH 45885  
 \_\_\_\_\_  
 \_\_\_\_\_

**SUBMITTAL TYPE:**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> For Approval | #1 <input checked="" type="checkbox"/> Re-Submittal | <input type="checkbox"/> Information               |
| <input type="checkbox"/> Product Data            | <input type="checkbox"/> Shop Drawings              | <input type="checkbox"/> Quality Control/Assurance |
| <input type="checkbox"/> Test Reports            | <input type="checkbox"/> Certificate                | <input type="checkbox"/> Contract Closeout         |
| <input type="checkbox"/> Design Data             | <input type="checkbox"/> Samples                    | <input type="checkbox"/> Other                     |

Specification Number and Title: \_\_\_\_\_

Part	Type	Description
23 36 16	Air Terminal Units	Nailor Industries

**REVIEWED BY HEAPY**  
 FOR GENERAL CONFORMANCE WITH  
 INFORMATION PRESENTED IN THE  
 CONTRACT DOCUMENTS ONLY.  
**APPROVED AS NOTED**  
 BY: DEREK SHAW / VICTORIA FRANCIS DATE: 9/3/2021

**Contractor's Certification:**

We have verified that all material or equipment contained in this submittal meets all the requirements specified or shown **(no exceptions)**.

\_\_\_\_\_  
 Contractor/Contractor's Representative (Print Name)

\_\_\_\_\_  
 Signature

**Project Name:** Dayton Children's Ambulatory Renewal Project 8/27

**Project Location:**  
**Engineer:**

**Contractor:**

**Contact:**

**Date:** August 27, 2021

**Submitted By:** PRO FIT HVAC, LLCST. MARY'S, OH  
UNITED STATES, 45885

**Telephone:** (419) 733 - 4733

**Fax:** (866) 566 - 3655

**Contact:** Emily Klosterman

Nailor Single Duct VAV Units										Weight values are typical unit dry weights, and may not be specific for that product. Corner weights must be measured in the field with all components attached. For blank weight values, please contact factory.																													
Dayton Children's Ambulatory Ren					Date Created: 8/25/2021																																		
Cus Cinfab					Date Due: 8/25/2021																																		
Eng Heapy																																							
Item ID	Tag1	Model	ControlType	Heater Type	Quantity	Unit Size	Inlet Size	Outlet Size	Primary Max AF (cfm)	Primary Min AF (cfm)	Inlet SP (in wg)	Outlet SP (in wg)	Min Inlet SP (in wg)	MOP	MCA	Liner	Integral Attenuator	Rad NC	Dis NC	Rad NC OB	Dis NC OB	Rad Ducts	Dis Ducts	Rad SWLS	Dis SWLS	Rad SWLS Min	Dis SWLS Min	Ceiling Type	Calc Method	Hg AF (cfm)	KW	MBH (mbh)	Volt	Phase	Htr Amps	EAT (°F)	LAT (°F)		
1	63-1-01	D3ORE	D	E	1	9	09	14 X 12 1/2	780	780	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	28	33	3	3	18,19,20,26,31,36	29,30,41,51,52,39	62,58,53,48,42,40	77,73,71,68,63,60	62,58,53,48,42,40	77,73,71,68,63,60	Mineral Fiber	KW	515	4.5	15.4	480	3	5.41	55	82.5		
2	63-1-02	D3ORE	D	E	1	24	24	38 X 18	2420	2420	3	0.25	0	40	37.6	FG1 - 1" (25) Steri-liner	No	34	28	3	3	18,19,20,26,31,36	29,30,41,51,52,39	62,58,53,48,42,40	77,73,71,68,63,60	62,58,53,48,42,40	77,73,71,68,63,60	Mineral Fiber	KW	2180	25	85.3	480	3	30.07	55	91.1		
3	63-1-03	D3ORE	D	E	1	16	16	28 X 12 1/2	1890	1890	3	0.25	0.01	15	14.3	FG1 - 1" (25) Steri-liner	No	34	28	3	3	18,19,20,26,31,36	29,30,41,51,52,39	62,63,56,51,45,42	72,69,68,67,64,62	62,63,56,51,45,42	72,69,68,67,64,62	Mineral Fiber	KW	945	9.5	32.4	480	3	11.43	55	86.6		
4	63-1-04	D3ORE	D	E	1	9	09	14 X 12 1/2	750	750	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-liner	No	28	31	3	4	3	18,19,20,26,31,36	29,30,41,51,52,39	61,58,53,47,41,39	76,72,70,67,62,59	61,58,53,47,41,39	76,72,70,67,62,59	Mineral Fiber	KW	715	6	20.5	480	3	7.22	55	81.4	
5	63-1-05	D3ORE	D	E	1	9	09	14 X 12 1/2	795	795	3	0.25	0.01	15	12.8	FG1 - 1" (25) Steri-liner	No	29	33	3	3	18,19,20,26,31,36	29,30,41,51,52,39	62,59,53,48,42,40	77,73,71,68,63,60	62,59,53,48,42,40	77,73,71,68,63,60	Mineral Fiber	KW	760	8.5	29	480	3	10.22	55	90.2		
6	63-1-06	D3ORE	D	E	1	7	07	12 X 12 1/2	450	440	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-liner	No	28	30	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	61,57,53,47,39,38	75,70,68,66,60,57	61,57,53,47,39,38	75,70,68,66,60,57	Mineral Fiber	KW	725	2	6.8	277	1	7.22	55	83	
7	63-1-07	D3ORE	D	E	1	6	06	10 X 10	140	70	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	16	16				18,19,20,26,31,36	24,28,39,53,59,40	50,43,42,44,40,36	61,56,58,62,56,53			Mineral Fiber	KW	140	1.5	5.1	277	1	5.42	55	88.7	
8	63-1-08	D3ORE	D	E	1	6	06	10 X 10	300	70	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	23	26	4	3	18,19,20,26,31,36	27,29,40,51,53,39	59,53,49,43,38,38	71,67,65,64,56,54			Mineral Fiber	KW	150	1.5	5.1	277	1	5.42	55	86.4		
9	63-1-09	D3ORE	D	E	1	6	06	10 X 10	245	70	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	21	26	4	2	18,19,20,26,31,36	24,28,39,53,59,40	57,50,47,42,37,37	69,64,63,64,55,52			Mineral Fiber	KW	125	1	3.4	277	1	3.61	55	80.2		
10	63-1-10	D3ORE	D	E	1	7	07	12 X 12 1/2	430	410	3	0.25	0.01	15	5.3	FG1 - 1" (25) Steri-liner	No	26	29	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	60,56,52,47,39,38	74,69,68,66,59,56	60,55,52,47,39,37	74,69,68,66,59,56	Mineral Fiber	KW	410	3.5	11.9	480	3	4.21	55	81.8	
11	63-1-11	D3ORE	D	E	1	6	06	10 X 10	200	125	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	20	24	4	2	18,19,20,26,31,36	24,28,39,53,59,40	54,48,46,41,36,36	67,62,61,64,55,51	48,42,41,44,41,36	59,54,57,62,56,53	Mineral Fiber	KW	125	1	3.4	277	1	3.61	55	80.2		
12	63-1-12	D3ORE	D	E	1	6	06	10 X 10	240	160	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	21	26	4	2	18,19,20,26,31,36	24,28,39,53,59,40	56,50,47,42,37,37	69,64,63,64,55,52	51,45,43,43,38,36	63,58,59,63,56,52	Mineral Fiber	KW	160	1.5	5.1	277	1	5.42	55	84.5		
13	63-1-13	D3ORE	D	E	1	6	06	10 X 10	240	170	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	21	26	4	2	18,19,20,26,31,36	24,28,39,53,59,40	56,50,47,42,37,37	69,64,63,64,55,52	52,46,44,42,38,36	64,59,59,63,55,52	Mineral Fiber	KW	170	1.5	5.1	277	1	5.42	55	82.7		
14	63-1-14	D3ORE	D	E	1	7	07	12 X 12 1/2	530	465	3	0.25	0.01	15	6	FG1 - 1" (25) Steri-liner	No	30	33	3	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	60,60,55,48,41,39	77,72,70,67,61,58	62,57,53,48,40,38	75,70,69,66,60,57	Mineral Fiber	KW	465	4	13.6	480	3	4.81	55	82.1
15	63-1-15	D3ORE	D	E	1	6	06	10 X 10	240	160	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	21	26	4	2	18,19,20,26,31,36	24,28,39,53,59,40	56,50,47,42,37,37	69,64,63,64,55,52	51,45,43,43,38,36	63,58,59,63,56,52	Mineral Fiber	KW	160	1.5	5.1	277	1	5.42	55	84.5		
16	63-1-16	D3ORE	D	E	1	6	06	10 X 10	240	160	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-liner	No	21	26	4	2	18,19,20,26,31,36	24,28,39,53,59,40	56,50,47,42,37,37	69,64,63,64,55,52	51,45,43,43,38,36	63,58,59,63,56,52	Mineral Fiber	KW	160	1.5	5.1	277	1	5.42	55	84.5		
17	63-1-17	D3ORE	D	E	1	6	06	10 X 10	180	65	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	18	21	2	2	18,19,20,26,31,36	24,28,39,53,59,40	53,47,44,42,37,36	65,60,60,64,55,52			Mineral Fiber	KW	90	1	3.4	277	1	3.61	55	89.9		
18	63-1-18	D3ORE	D	E	1	6	06	10 X 10	180	100	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	18	21	2	2	18,19,20,26,31,36	24,28,39,53,59,40	53,47,44,42,37,36	65,60,60,64,55,52	46,40,40,45,42,36	57,52,55,61,57,54	Mineral Fiber	KW	100	1	3.4	277	1	3.61	55	86.4		
19	63-1-19	D3ORE	D	E	1	6	06	10 X 10	140	80	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	16	16				18,19,20,26,31,36	24,28,39,53,59,40	50,43,42,44,40,36	61,56,58,62,56,53			Mineral Fiber	KW	80	1	3.4	277	1	3.61	55	94.3	
41	64-1-01	D3ORE	D	E	1	6	06	10 X 10	325	175	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-liner	No	24	28	4	3	18,19,20,26,31,36	27,29,40,51,53,39	60,54,50,43,39,38	72,68,66,64,56,54	52,46,44,42,37,36	64,59,60,63,55,52	Mineral Fiber	KW	195	2.5	8.5	480	3	3.01	55	95.3		
42	64-1-02	D3ORE	D	E	1	7	07	12 X 12 1/2	400	170	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	25	28	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	59,55,51,47,39,37	73,68,67,66,59,56			Mineral Fiber	KW	260	3	10.2	480	3	3.61	55	91.3	
43	64-1-03	D3ORE	D	E	1	7	07	12 X 12 1/2	400	160	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-liner	No	25	28	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	59,55,51,47,39,37	73,68,67,66,59,56			Mineral Fiber	KW	260	3	10.2	480	3	3.61	55	91.3	
44	64-1-04	D3ORE	D	E	1	7	07	12 X 12 1/2	500	340	3	0.25	0.01	15	8.3	FG1 - 1" (25) Steri-liner	No	29	31	3	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	63,59,54,48,40,38	76,71,69,66,60,58	57,53,50,46,38,37	72,67,66,66,58,55	Mineral Fiber	KW	450	5.5	18.8	480	3	6.62	55	93.4
45	64-1-05	D3ORE	D	E	1	7	07	12 X 12 1/2	525	420	3	0.25	0.01	15	10.5	FG1 - 1" (25) Steri-liner	No	30	33	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	64,59,55,48,41,39	77,72,70,67,60,58	60,56,52,47,39,37	74,69,68,66,59,56	Mineral Fiber	KW	525	7	23.9	480	3	8.42	55	96.9	
46	64-1-06	D3ORE	D	E	1	7	07	12 X 12 1/2	450	240	3	0.25	0.01	15	5.3	FG1 - 1" (25) Steri-liner	No	28	30	4	2	3	18,19,20,26,31,36	27,29,40,51,53,39	61,57,53,47,39,38	75,70,68,66,60,57	52,48,45,42,35,35	65,60,62,62,58,54	Mineral Fiber	KW	315	3.5	11.9	480	3	4.21	55	89.9	
47	64-1-07	D3ORE	D	E	1	9	09	14 X 12 1/2	625	365	3	0.25	0.01	15	12	FG1 - 1" (25) Steri-liner	No	25	30	3	4	3	18,19,20,26,31,36	27,29,40,51,53,39	61,56,53,47,39,38	74,70,69,66,61,58			Mineral Fiber	KW	625	8	27.3	480	3	9.62	55	95.3	
48	64-1-08	D3ORE	D	E	1	8	08	12 X 12 1/2	600	600	3	0.25	0.01	15	7.5	FG1 - 1" (25) Steri-liner	No	30	35	4	3	18,19,20,26,31,36	27,29,40,51,53,39	62,58,55,43,42,39	76,74,71,67,62,59	62,58,55,43,42,39	76,74,71,67,62,59	Mineral Fiber	KW	600	5	17.1	480	3	6.01	55	81.2		
49	64-1-09	D3ORE	D	E	1	6	06	10 X 10	315	205	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-liner	No	24	28	4	3	18,19,20,26,31,36	27,29,40,51,53,39	60,53,50,43,39,38	72,68,65,64,56,54	55,49,46,41,36,36	67,62,62,64,55,51	Mineral Fiber	KW	205	2	6.8	277	1	7.22	55	85.7		
50	64-1-10	D3ORE																																					

**PROJECT SCHEDULE****Dayton Children's Ambulatory Renewal Project 8/27****Terminal Units**

Item	Qty	Model	Tag 1	Unit	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
1	1	D30RE	63-1-01	09	780	780	515	4.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
2	1	D30RE	63-1-02	24	2420	2420	2180	25.0
			24- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
3	1	D30RE	63-1-03	16	1890	1890	945	9.5
			16- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
4	1	D30RE	63-1-04	09	750	750	715	6.0
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
5	1	D30RE	63-1-05	09	795	795	760	8.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
6	1	D30RE	63-1-06	07	450	140	225	2.0
			07- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
7	1	D30RE	63-1-07	06	140	70	140	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
8	1	D30RE	63-1-08	06	300	70	150	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
9	1	D30RE	63-1-09	06	245	70	125	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
10	1	D30RE	63-1-10	07	430	410	410	3.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
11	1	D30RE	63-1-11	06	200	125	125	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
12	1	D30RE	63-1-12	06	240	160	160	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
13	1	D30RE	63-1-13	06	240	170	170	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
14	1	D30RE	63-1-14	07	530	465	465	4.0
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
15	1	D30RE	63-1-15	06	240	160	160	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
16	1	D30RE	63-1-16	06	240	160	160	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

**PROJECT SCHEDULE****Dayton Children's Ambulatory Renewal Project 8/27****Terminal Units**

Item	Qty	Model Option Codes	Tag 1	Unit Size	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
17	1	D30RE 06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB	63-1-17	06	180	65	90	1.0
18	1	D30RE 06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB	63-1-18	06	180	100	100	1.0
19	1	D30RE 06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB	63-1-19	06	140	80	80	1.0
41	1	D30RE 06- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-01	06	325	175	195	2.5
42	1	D30RE 07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-02	07	400	170	260	3.0
43	1	D30RE 07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-03	07	400	160	260	3.0
44	1	D30RE 07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-04	07	500	340	450	5.5
45	1	D30RE 07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-05	07	525	420	525	7.0
46	1	D30RE 07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-06	07	450	240	315	3.5
47	1	D30RE 09- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB	64-1-07	09	625	365	625	8.0

Dimensions are in inches (mm)

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**PROJECT SCHEDULE****Dayton Children's Ambulatory Renewal Project 8/27****Terminal Units**

Item	Qty	Model	Tag 1	Unit	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
48	1	D30RE	64-1-08	08	600	600	600	5.0
			08- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
49	1	D30RE	64-1-09	06	315	205	205	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
50	1	D30RE	64-1-10	07	440	100	220	2.0
			07- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
51	1	D30RE	64-1-11	07	370	280	280	2.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
52	1	D30RE	64-1-12	06	100	100	100	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
53	1	D30RE	64-1-13	12	930	930	930	7.5
			12- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
54	1	D30RE	64-1-14	06	300	225	225	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
55	1	D30RE	64-1-15	06	305	65	155	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
56	1	D30RE	64-1-16	06	175	165	165	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
57	1	D30RE	64-1-17	06	230	70	115	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
58	1	D30RE	64-1-18	08	545	545	545	5.0
			08- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
59	1	D30RE	64-1-19	06	200	200	200	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					
60	1	D30RE	64-1-20	09	805	805	805	8.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
61	1	D30RE	64-1-21	12	950	290	475	5.5
			12- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB					
62	1	D30RE	64-1-22	06	200	180	180	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB					

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

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**PROJECT SCHEDULE****Dayton Children's Ambulatory Renewal Project 8/27****Terminal Units**

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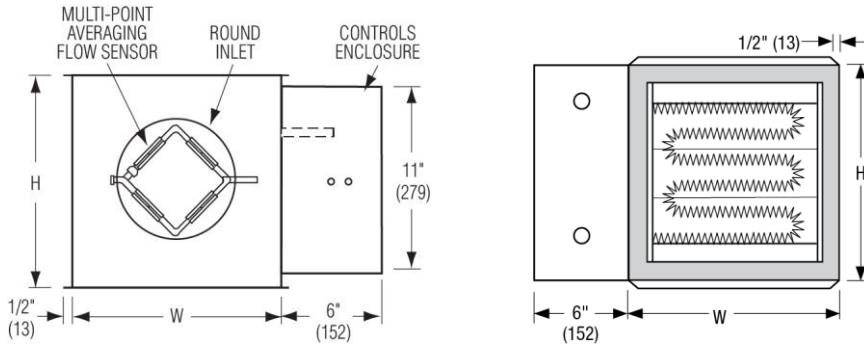
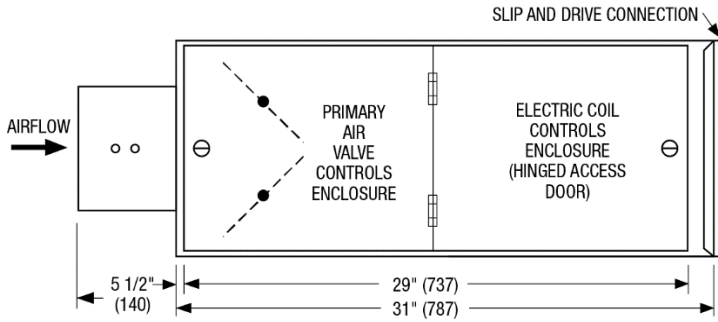


Item	Qty	Model	Tag 1	Unit	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
63	1	D30RE	64-1-23	06	305	275	275	2.5
		06- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB						
64	1	D30RE	64-1-24	07	380	115	190	2.0
		07- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB						
65	1	D30RE	64-1-25	07	395	395	395	3.5
		07- NB- OR- QD2- FG1- FN- FS- 480/3- SCRA- BB						
66	1	D30RE	64-1-26	06	200	180	180	1.5
		06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB						
67	1	D30RE	64-1-27	06	200	200	200	2.0
		06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB						
68	1	D30RE	64-1-28	06	230	230	230	2.0
		06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB						
69	1	D30RE	64-1-29	06	190	130	130	1.5
		06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB						
70	1	D30RE	64-1-30	06	100	100	100	1.0
		06- NB- OR- QD- FG1- FN- FS- 277/1- SCRA- BB						

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 1, 4, 5, 10, 14, 20, 21, 22, 23, 29, 42, 43, 44, 45, 46, 47, 48, 51, 58, 60, 65, 71, 74, 76, 77, 78, 83, 91; Tags: 63-1-01; 63-1-04; 63-1-05; 63-1-10; 63-1-14; 63-2-01; 64-1-02; 64-1-03; 64-1-04; 64-1-05; 64-1-06; 64-1-07; 64-1-08; 64-1-11; 64-1-18; 64-1-20; 64-1-25;



Right-hand controls location shown  
 \*Controls Enclosure optional with field mounted controls

**DIMENSIONAL DATA**

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
7	95 – 800 (45 – 378)	12 (305)	12 1/2 (318)	6 7/8 (175) Round
8	125 – 1100 (59 – 519)	12 (305)	12 1/2 (318)	7 7/8 (200) Round
9	165 – 1400 (78 – 661)	14 (356)	12 1/2 (318)	8 7/8 (225) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

**FEATURES**

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)

**Project:** Dayton Children's Ambulatory Renewal Project 8/27  
**Engineer:**  
**Contractor:**

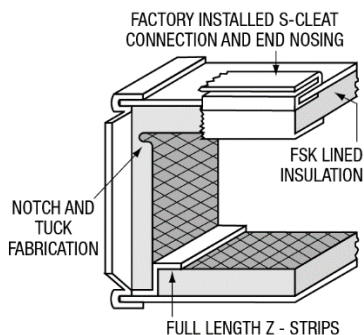
**Date:** 8/27/2021  
**Version No:** 3.84.02 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

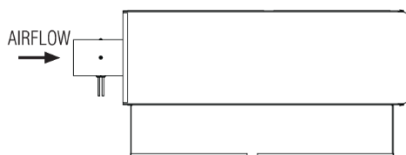
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCRA - SCR with 4-20 mA Control
- BB - Door-Interlocking disconnect switch

#### FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
  - NFPA 90A & 90B
  - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

#### OR - Top View Orientation- Controls Location



Right Hand Controls Location

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

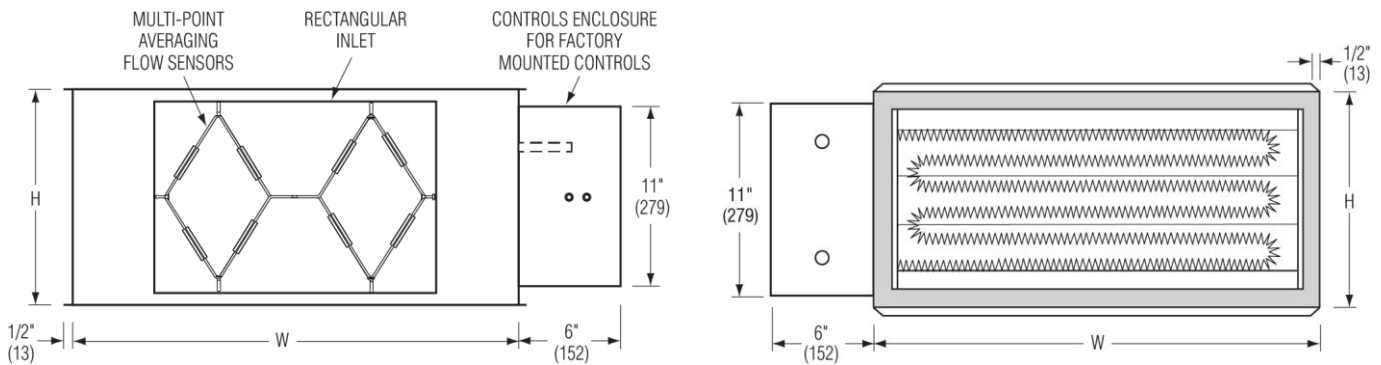
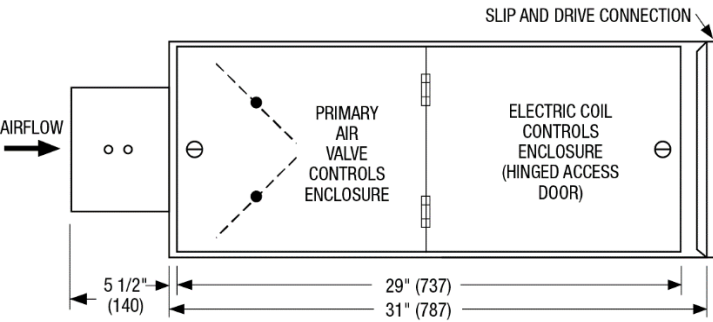
**Version No:** 3.84.02 Rev.11

**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 2, 33, 35; Tags: 63-1-02;



**DIMENSIONAL DATA**

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
24x16	960 – 8330 (453 – 3931)	38 (965)	18 (457)	23 7/8 x 15 7/8 (606 x 403) Rect.

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

**FEATURES**

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

**Version No:** 3.84.02 Rev.11

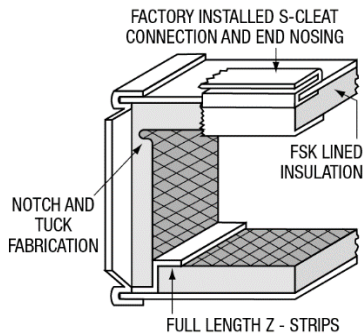
**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

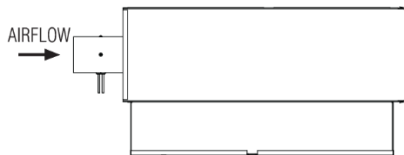
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCRA - SCR with 4-20 mA Control
- BB - Door-Interlocking disconnect switch

**FG1 - Steri-Liner**



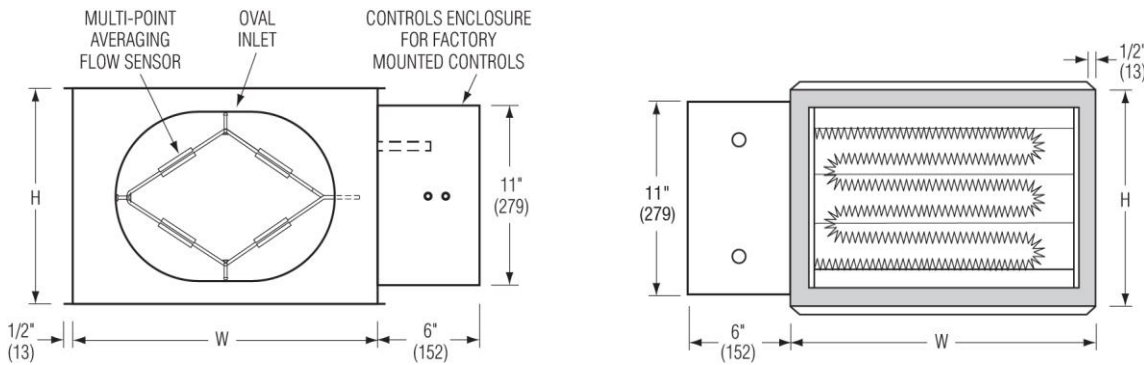
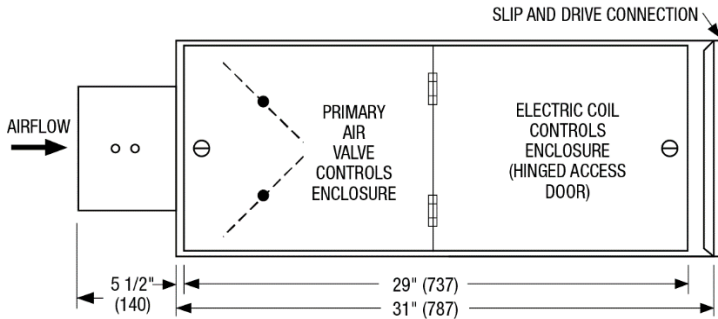
- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
  - NFPA 90A & 90B
  - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

**OR - Top View Orientation- Controls Location**



Right Hand Controls Location

Items: 3, 24, 25, 26, 30, 31, 32, 53, 61, 72, 75, 79, 80, 84, 97, 98; Tags: 63-1-03; 64-1-13; 64-1-21;



**DIMENSIONAL DATA**

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
12	290 – 2500 (137 – 1180)	18 (457)	12 1/2 (318)	12 15/16 x 9 13/16 (329 x 249) Oval
14	360 – 3125 (170 – 1475)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval
16	430 – 3725 (203 – 1758)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

**FEATURES**

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

**Version No:** 3.84.02 Rev.11

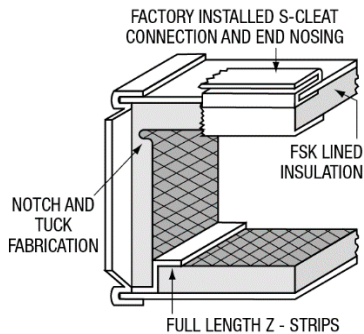
**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

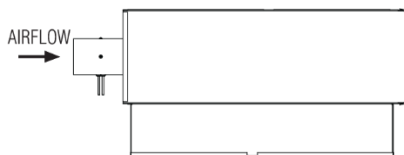
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCRA - SCR with 4-20 mA Control
- BB - Door-Interlocking disconnect switch

#### FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
  - NFPA 90A & 90B
  - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

#### OR - Top View Orientation- Controls Location



Right Hand Controls Location

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

**Version No:** 3.84.02 Rev.11

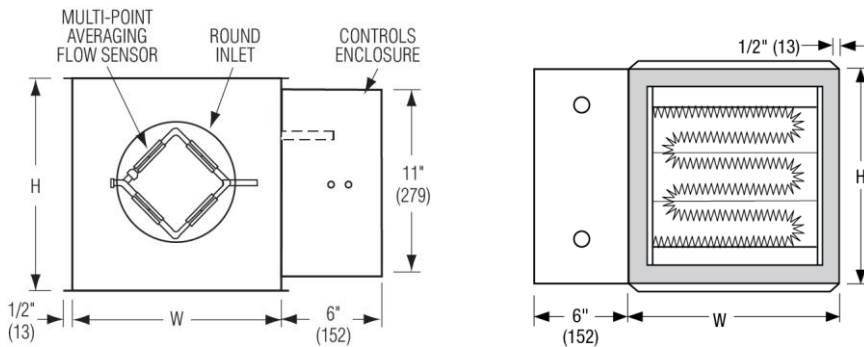
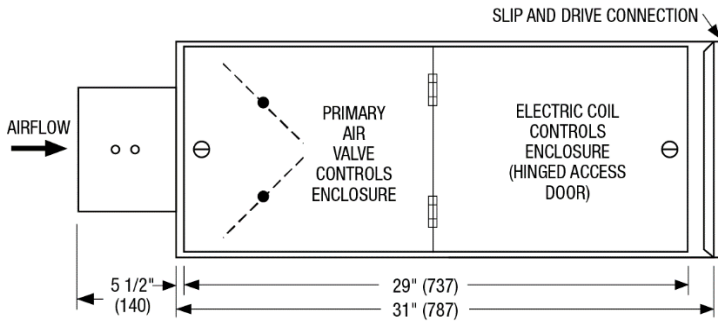
**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 6, 38, 50, 64; Tags: 63-1-06;

64-1-10; 64-1-24



Right-hand controls location shown

\*Controls Enclosure optional with field mounted controls

**DIMENSIONAL DATA**

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
7	95 – 800 (45 – 378)	12 (305)	12 1/2 (318)	6 7/8 (175) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

**FEATURES**

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

**Version No:** 3.84.02 Rev.11

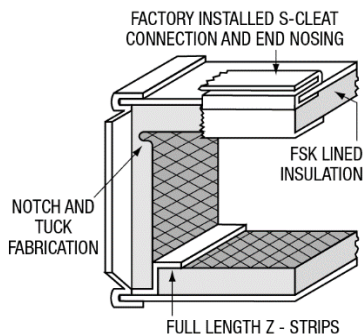
**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

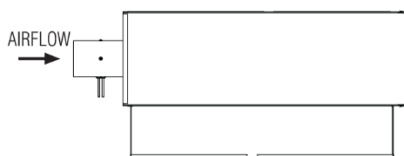
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD - Transformer: 277/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 2771 - Electric Coil: 277 volt/1 phase/2-wire
- SCRA - SCR with 4-20 mA Control
- BB - Door-Interlocking disconnect switch

### FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
  - NFPA 90A & 90B
  - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

### OR - Top View Orientation- Controls Location



Right Hand Controls Location

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

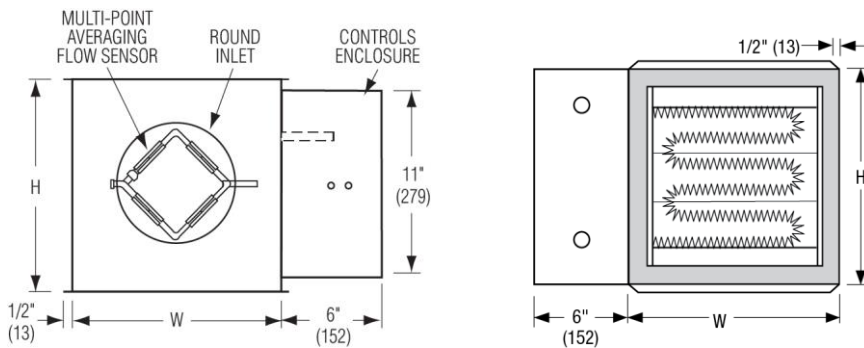
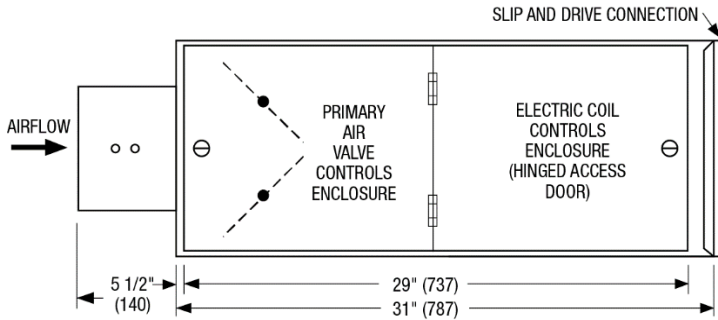
**Version No:** 3.84.02 Rev.11

**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 7, 8, 9, 11, 12, 13, 15, 16, 17, 18, 19, 27, 28, 34, 36, 40, 49, 52, 54, 55, 56, 57, 59, 62, 66, 67, 68, 69, 70, 73, 81, 82, 85, 86, 87, 88, 89, 90, 93, 94, 95, 96; Tags: 63-1-07; 63-1-08; 63-1-09; 63-1-11; 63-1-12; 63-1-13; 63-1-15; 63-1-16; 63-1-17; 63-1-18; 63-1-19; 64-1-09; 64-1-12; 64-1-14; 64-1-15; 64-1-16; 64-1-17; 64-1-19; 64-1-22; 64-1-26; 64-1-27; 64-1-28; 64-1-29; 64-1-30;



Right-hand controls location shown  
 \*Controls Enclosure optional with field mounted controls

**DIMENSIONAL DATA**

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
6	65 – 550 (31 – 260)	10 (254)	10 (254)	5 7/8 (149) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

**FEATURES**

- 16 ga. (1.61) corrosion-resistant steel inclined single blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section

**Project:** Dayton Children's Ambulatory Renewal Project 8/27  
**Engineer:**  
**Contractor:**

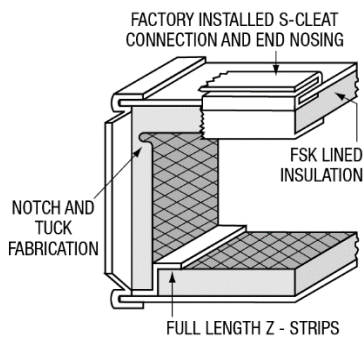
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**Version No:** 3.84.02 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

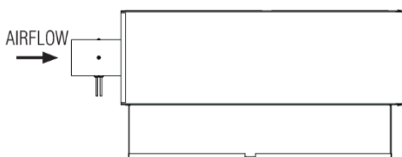
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD - Transformer: 277/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 2771 - Electric Coil: 277 volt/1 phase/2-wire
- SCRA - SCR with 4-20 mA Control
- BB - Door-Interlocking disconnect switch

#### FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
  - NFPA 90A & 90B
  - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

#### OR - Top View Orientation- Controls Location



Right Hand Controls Location

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

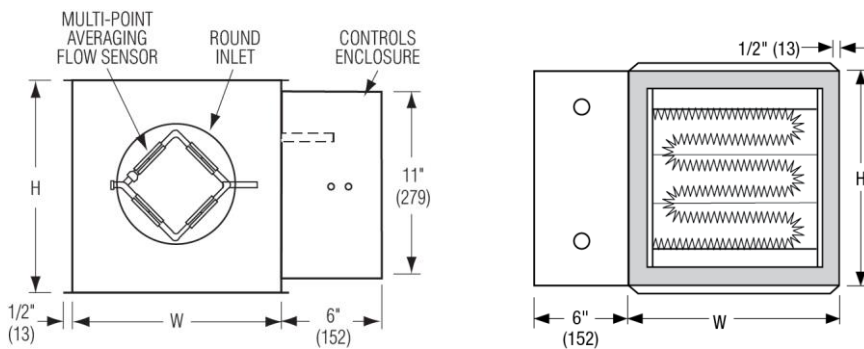
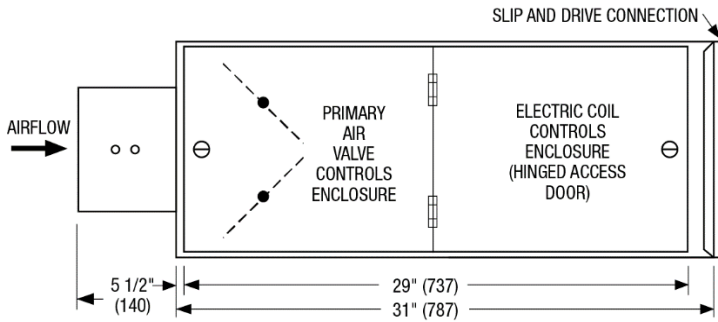
**Version No:** 3.84.02 Rev.11

**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 37, 41, 63, 92; Tags: 64-1-01; 64-1-23;



Right-hand controls location shown

\*Controls Enclosure optional with field mounted controls

**DIMENSIONAL DATA**

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
6	65 – 550 (31 – 260)	10 (254)	10 (254)	5 7/8 (149) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

**FEATURES**

- 16 ga. (1.61) corrosion-resistant steel inclined single blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

**Version No:** 3.84.02 Rev.11

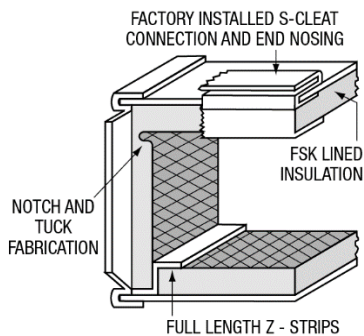
**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

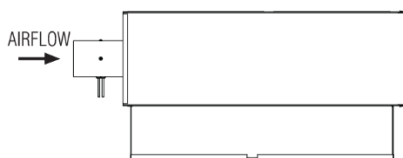
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCRA - SCR with 4-20 mA Control
- BB - Door-Interlocking disconnect switch

### FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
  - NFPA 90A & 90B
  - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

### OR - Top View Orientation- Controls Location



Right Hand Controls Location

**Project:** Dayton Children's Ambulatory Renewal Project 8/27

**Date:** 8/27/2021

**Engineer:**

**Version No:** 3.84.02 Rev.11

**Contractor:**

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.