PERFORMANCE DATA

LFD

Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)
12 x 48	6	80	0.02	0.03	-
		100	0.03	0.05	-
		120	0.04	0.06	-
		140	0.05	0.09	-
		160	0.07	0.11	16
		200	0.11	0.17	24
		240	0.15	0.24	31
	8	80	0.02	0.02	-
		100	0.02	0.03	-
		120	0.03	0.04	-
		140	0.04	0.05	-
		160	0.06	0.07	-
		200	0.08	0.10	-
		240	0.12	0.15	15
24 x 24	8	80	0.02	0.02	-
		100	0.02	0.03	-
		120	0.03	0.04	-
		140	0.04	0.05	-
		160	0.05	0.07	-
		200	0.08	0.10	16
		240	0.11	0.14	23
	10	80	0.01	0.01	-
		100	0.02	0.02	-
		120	0.02	0.03	-
		140	0.03	0.03	-
		160	0.04	0.04	-
		200	0.06	0.07	-
		240	0.08	0.09	-
24 x 36	8	120	0.02	0.03	-
		150	0.03	0.05	-
		180	0.05	0.06	-
		210	0.06	0.08	16
		240	0.08	0.11	21
		300	0.12	0.16	29
		360	0.16	0.23	35
	10	120	0.02	0.02	-
		150	0.03	0.03	-
		180	0.03	0.04	-
		210	0.05	0.05	-
		240	0.06	0.07	-
		300	0.09	0.10	18
		360	0.12	0.15	25

Performance Notes:

1. All pressure drops are in inches water gauge (in. w.g.)
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB re 10-12 watts.
4. Blanks "-" indicate NC level below 15 and a sp less than 0.01.
5. Total pressure, static pressure and NC performance assumes no damper.
6. Tested in accordance with ASHRAE Standard 70.

PERFORMANCE DATA

LFD

Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)
24 x 48	8	160	0.03	0.04	-
		200	0.05	0.07	-
		240	0.06	0.09	19
		280	0.08	0.12	24
		320	0.10	0.16	29
		400	0.15	0.24	37
		480	0.21	0.33	44
	10	160	0.02	0.03	-
		200	0.03	0.04	-
		240	0.05	0.06	-
		280	0.06	0.08	-
		320	0.08	0.10	19
		400	0.11	0.15	27
		480	0.16	0.21	33
	12	160	0.02	0.02	-
		200	0.03	0.03	-
		240	0.04	0.04	-
		280	0.05	0.06	-
		320	0.06	0.07	-
		400	0.09	0.10	18
		480	0.12	0.15	25
24 x 60	8	200	0.04	0.06	-
		250	0.06	0.09	19
		300	0.08	0.12	26
		350	0.10	0.17	31
		400	0.13	0.21	36
		500	0.19	0.32	44
		600	0.27	0.45	50
	10	200	0.03	0.04	-
		250	0.04	0.05	-
		300	0.06	0.08	15
		350	0.08	0.10	21
		400	0.10	0.13	26
		500	0.14	0.19	33
		600	0.20	0.27	40
	12	200	0.02	0.03	-
		250	0.03	0.04	-
		300	0.04	0.05	-
		350	0.06	0.07	-
		400	0.07	0.09	17
		500	0.11	0.14	25
		600	0.15	0.19	32

Performance Notes:

1. All pressure drops are in inches water gauge (in. w.g.)
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB re 10-12 watts.
4. Blanks "-" indicate NC level below 15 and a sp less than 0.01.
5. Total pressure, static pressure and NC performance assumes no damper.
6. Tested in accordance with ASHRAE Standard 70.

PERFORMANCE DATA

LFD

Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)
24 x 72	8	240	0.03	0.05	-
		300	0.05	0.07	-
		360	0.07	0.10	21
		420	0.09	0.13	26
		480	0.11	0.16	31
		600	0.17	0.25	39
		720	0.24	0.34	45
	10	240	0.03	0.03	-
		300	0.04	0.05	-
		360	0.05	0.07	-
		420	0.07	0.09	18
		480	0.09	0.11	23
		600	0.13	0.17	30
		720	0.18	0.24	37
	12	240	0.02	0.02	-
		300	0.03	0.04	-
		360	0.04	0.05	-
		420	0.06	0.07	-
		480	0.07	0.08	15
		600	0.11	0.13	23
		720	0.15	0.18	30

Performance Notes:

1. All pressure drops are in inches water gauge (in. w.g.)
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB re 10-12 watts.
4. Blanks "-" indicate NC level below 15 and a sp less than 0.01.
5. Total pressure, static pressure and NC performance assumes no damper.
6. Tested in accordance with ASHRAE Standard 70.

PERFORMANCE DATA

ULFD

Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)
24 x 24	8	100	0.05	0.05	-
		130	0.08	0.09	18
		160	0.13	0.14	24
		190	0.18	0.20	30
		220	0.24	0.26	35
		250	0.31	0.34	41
	10	100	0.05	0.05	-
		130	0.08	0.09	15
		160	0.12	0.13	20
		190	0.17	0.18	25
		220	0.23	0.24	32
		250	0.30	0.31	37
24 x 36	8	150	0.05	0.06	17
		190	0.08	0.10	23
		240	0.13	0.16	30
		280	0.17	0.21	36
		330	0.24	0.30	42
		370	0.31	0.38	48
	10	150	0.05	0.05	-
		190	0.07	0.08	18
		240	0.12	0.13	24
		280	0.16	0.18	30
		330	0.22	0.25	36
		370	0.28	0.31	41
24 x 48	8	200	0.04	0.06	21
		260	0.07	0.11	28
		320	0.11	0.17	35
		380	0.16	0.24	41
		440	0.22	0.32	47
		500	0.29	0.42	53
	10	200	0.04	0.05	-
		260	0.07	0.08	21
		320	0.10	0.12	27
		380	0.15	0.18	33
		440	0.20	0.24	38
		500	0.26	0.31	43
	12	200	0.04	0.04	-
		260	0.06	0.07	17
		320	0.10	0.11	22
		380	0.14	0.15	28
		440	0.18	0.20	33
		500	0.24	0.26	38

Performance Notes:

1. All pressure drops are in inches water gauge (in. w.g.)
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB re 10^{-12} watts.
4. Blanks "-" indicate NC level below 15
5. Total pressure, static pressure and NC performance assumes fully open damper/aperture plate and no filter.
6. Tested in accordance with ASHRAE Standard 70.

PERFORMANCE DATA

LFD3

Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)
12 x 48	6	80	0.03	0.04	-
		100	0.05	0.06	17
		120	0.07	0.09	22
		140	0.09	0.12	26
		160	0.12	0.16	30
		200	0.19	0.25	36
		240	0.27	0.36	41
24 x 24	8	80	0.02	0.02	-
		100	0.02	0.03	-
		120	0.03	0.04	-
		140	0.05	0.06	-
		160	0.06	0.07	15
		200	0.09	0.11	23
		240	0.13	0.16	28
	10	80	0.01	0.02	-
		100	0.02	0.02	-
		120	0.03	0.03	-
		140	0.04	0.04	-
		160	0.05	0.06	-
		200	0.08	0.09	16
		240	0.11	0.12	22
24 x 36	8	120	0.02	0.03	-
		150	0.03	0.05	-
		180	0.05	0.07	16
		210	0.07	0.09	21
		240	0.08	0.11	26
		300	0.12	0.16	33
		360	0.16	0.23	39
	10	120	0.02	0.02	-
		150	0.03	0.04	-
		180	0.04	0.05	-
		210	0.06	0.07	-
		240	0.07	0.09	19
		300	0.11	0.13	26
		360	0.16	0.18	32
24 x 48	8	160	0.03	0.04	-
		200	0.04	0.06	18
		240	0.06	0.09	24
		280	0.08	0.12	29
		320	0.11	0.16	33
		400	0.16	0.24	40
		480	0.23	0.35	46
	10	160	0.03	0.03	-
		200	0.04	0.05	-
		240	0.05	0.07	17
		280	0.07	0.09	22
		320	0.09	0.12	26
		400	0.14	0.18	34
		480	0.20	0.25	40
	12	160	0.02	0.03	-
		200	0.03	0.04	-
		240	0.05	0.06	-
		280	0.07	0.07	17
		320	0.08	0.09	21
		400	0.13	0.14	28
		480	0.18	0.20	34

PERFORMANCE DATA

LFD3

Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)
24 x 60	8	200	0.04	0.06	16
		250	0.05	0.09	24
		300	0.08	0.12	29
		350	0.10	0.16	34
		400	0.13	0.21	39
		500	0.20	0.32	46
		600	0.28	0.46	52
	10	200	0.03	0.04	-
		250	0.05	0.06	17
		300	0.07	0.09	23
		350	0.09	0.11	28
		400	0.11	0.15	32
		500	0.17	0.23	39
		600	0.24	0.32	45
	12	200	0.03	0.03	-
		250	0.04	0.05	-
		300	0.06	0.07	17
		350	0.08	0.09	22
		400	0.10	0.12	27
		500	0.16	0.18	34
		600	0.22	0.26	40
24 x 72	8	240	0.04	0.05	-
		300	0.06	0.07	22
		360	0.08	0.10	27
		420	0.10	0.14	32
		480	0.13	0.18	37
		600	0.20	0.28	44
		720	0.28	0.39	50
	10	240	0.03	0.04	-
		300	0.05	0.06	16
		360	0.07	0.08	22
		420	0.09	0.11	27
		480	0.12	0.14	31
		600	0.18	0.22	39
		720	0.26	0.31	44
	12	240	0.03	0.03	-
		300	0.05	0.05	-
		360	0.06	0.07	17
		420	0.09	0.09	22
		480	0.11	0.12	27
		600	0.17	0.19	34
		720	0.23	0.26	40

Performance Notes:

1. All pressure drops are in inches water gauge (in. w.g.)
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB re 10-12 watts.
4. Blanks "-" indicate NC level below 15 and a sp less than 0.01.
5. Total pressure, static pressure and NC performance assumes no damper.
6. Tested in accordance with ASHRAE Standard 70.

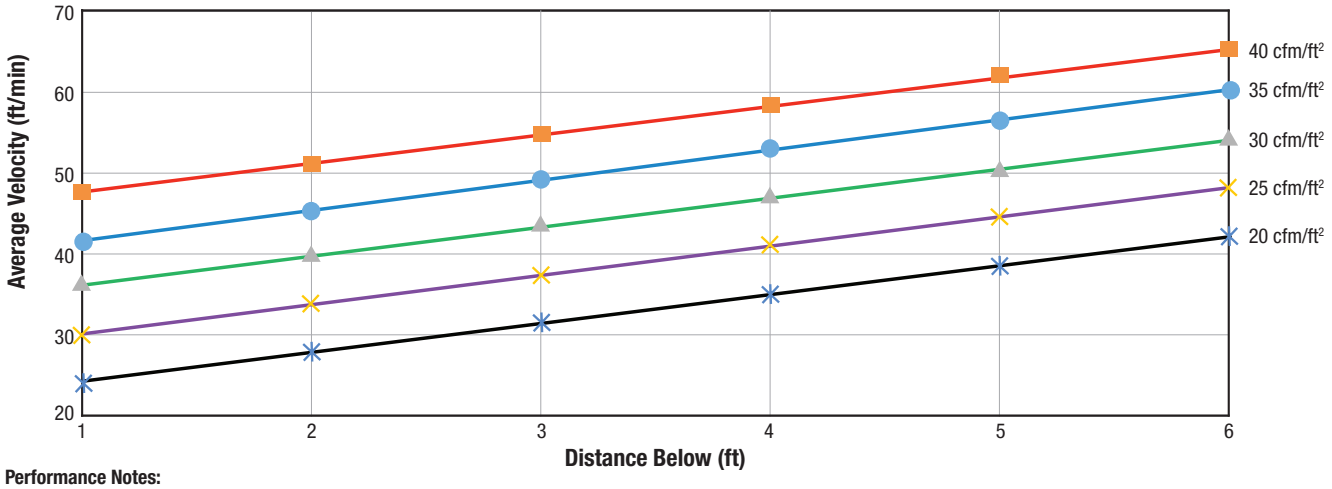
PERFORMANCE DATA

LFD/LFD3

Average Velocities Below Modules @ Δ10°F						
Face Velocity (cfm/ft²)	Distance Below Face (ft)					
	1	2	3	4	5	6
20	24	28	31	35	38	42
25	30	34	37	41	44	48
30	36	40	43	47	50	54
35	42	45	49	53	56	60
40	48	51	55	58	62	65

Static Pressure and Sound Level		
cfm/ft²	Duct Application	
	Static Pressure[3,4]	N.C. Level[4,5]
20	0.03	<15
25	0.04	<15
30	0.05	17
35	0.07	22
40	0.09	26

LFD/LFD3 - Velocity vs. Distance Below



Performance Notes:

1. All pressure drops are in inches water gauge (in. w.g.).
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB re 10-12 watts.
4. Blanks "-" indicate NC level below 15 and a sp less than 0.01.
5. Total pressure, static pressure and NC performance assumes no damper.
6. Tested in accordance with ASHRAE Standard 70.