

Rectangular Unlined Duct Data – English Units

Table A5.1.1-1; Rectangular Unlined Duct – 16 Gage Steel.

Duct Width (in)	Duct Height (in)	Duct Area (ft ²)	Duct Weight (lb/ft)
28	28	5.4	23
30	30	6.3	24
42	42	12.3	34
54	54	20.3	44
60	60	25.0	49
84	84	49.0	68
96	96	64.0	78
40	20	5.6	24
54	28	10.5	33
60	30	12.5	37
84	42	24.5	51
96	48	32.0	58
108	54	40.5	66
120	60	50.0	73

RECTANGULAR UNLINED DUCT DATA – ENGLISH UNITS

PAGE 1 OF 1

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:

A5.1.1



Rectangular Unlined Duct Data – SI Units

Table A5.1.2-1; Rectangular Unlined Duct – 16 Gage Steel.

Duct Width (mm)	Duct Height (mm)	Duct Area (m ²)	Duct Weight (N/m)
700	700	0.49	327
750	750	0.56	350
1000	1000	1.00	467
1400	1400	1.96	653
1500	1500	2.25	700
2100	2100	4.41	980
2400	2400	5.76	1,120
1000	500	0.50	350
1300	650	0.85	455
1500	750	1.13	525
2000	1000	2.00	700
2400	1200	2.88	840
2600	1300	3.38	910
3000	1500	4.50	1,050

RECTANGULAR UNLINED DUCT DATA – SI UNITS

PAGE 1 OF 1

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:

A5.1.2



Rectangular Lined Duct Data (1.5 pcf Liner) – English Units

**Table A5.1.3-1; Rectangular Lined Duct – 16 Gage Steel.
1.0 in. Thick; 1.5 pcf Liner**

Duct Width (in)	Duct Height (in)	Liner Weight (lb/ft)	Duct Area w/o Liner (ft ²)	Duct Area with Liner (ft ²)	Duct Weight (lb/ft)
28	28	1.16	5.4	4.7	24
30	30	1.24	6.3	5.4	26
42	42	1.74	12.3	11.1	36
54	54	2.24	20.3	18.8	46
60	60	2.49	25.0	23.4	51
84	84	3.49	49.0	46.7	72
96	96	3.99	64.0	61.4	82
40	20	1.24	5.6	4.8	26
54	28	1.70	10.5	9.4	35
60	30	1.86	12.5	11.3	38
84	42	2.61	24.5	22.8	54
96	48	2.99	32.0	30.0	61
108	54	3.36	40.5	38.3	69
120	60	3.74	50.0	47.5	77

RECTANGULAR LINED DUCT DATA (1.5 PCF LINER) – ENGLISH UNITS

PAGE 1 OF 3

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:
A5.1.3



**Table A5.1.3-2; Rectangular Lined Duct – 16 Gage Steel.
1.5 in. Thick; 1.5 pcf Liner**

Duct Width (in)	Duct Height (in)	Liner Weight (lb/ft)	Duct Area w/o Liner (ft ²)	Duct Area with Liner (ft ²)	Duct Weight (lb/ft)
28	28	1.73	5.4	4.3	24
30	30	1.85	6.3	5.1	26
42	42	2.60	12.3	10.6	37
54	54	3.35	20.3	18.1	47
60	60	3.73	25.0	22.6	52
84	84	5.23	49.0	45.6	73
96	96	5.98	64.0	60.1	84
40	20	1.85	5.6	4.4	26
54	28	2.54	10.5	8.9	36
60	30	2.79	12.5	10.7	39
84	42	3.91	24.5	21.9	55
96	48	4.48	32.0	29.1	63
108	54	5.04	40.5	37.2	71
120	60	5.60	50.0	46.3	79

RECTANGULAR LINED DUCT DATA (1.5 PCF LINER) – ENGLISH UNITS



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:
A5.1.3



**Table A5.1.3-3; Rectangular Lined Duct – 16 Gage Steel.
2.0 in. Thick; 1.5 pcf Liner**

Duct Width (in)	Duct Height (in)	Liner Weight (lb/ft)	Duct Area w/o Liner (ft ²)	Duct Area with Liner (ft ²)	Duct Weight (lb/ft)
28	28	2.29	5.4	4.0	25
30	30	2.46	6.3	4.7	27
42	42	3.46	12.3	10.0	38
54	54	4.46	20.3	17.4	48
60	60	4.96	25.0	21.8	54
84	84	6.96	49.0	44.4	75
96	96	7.96	64.0	58.8	86
40	20	2.46	5.6	4.0	27
54	28	3.38	10.5	8.3	37
60	30	3.71	12.5	10.1	40
84	42	5.21	24.5	21.1	56
96	48	5.96	32.0	28.1	64
108	54	6.71	40.5	36.1	73
120	60	7.46	50.0	45.1	81

RECTANGULAR LINED DUCT DATA (1.5 PCF LINER) – ENGLISH UNITS



Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:
A5.1.3
 VISCMA
 MEMBER

Rectangular Lagged Duct Data (Gypsum Lagging) – English Units

**Table A5.1.5-1; Rectangular Lagged Duct – 20 Gage Steel.
One Layer of 5/8 in. Gypsum Board.**

Duct Width (in)	Duct Height (in)	Lagging Weight (lb/ft)	Duct Area (ft ²)	Duct Weight (lb/ft)
28	28	73.73	5.4	87
30	30	78.94	6.3	94
42	42	110.19	12.3	131
54	54	141.44	20.3	168
60	60	157.06	25.0	186
84	84	219.56	49.0	261
96	96	250.81	64.0	298
40	20	78.94	5.6	94
54	28	107.58	10.5	128
60	30	118.00	12.5	140
84	42	164.88	24.5	196
96	48	188.31	32.0	223
108	54	211.75	40.5	251
120	60	235.19	50.0	279

RECTANGULAR LAGGED DUCT DATA – ENGLISH UNITS

PAGE 1 OF 3

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:
A5.1.5



**Table A5.1.5-2; Rectangular Lagged Duct – 20 Gage Steel.
Two Layers of 5/8 in. Gypsum Board.**

Duct Width (in)	Duct Height (in)	Lagging Weight (lb/ft)	Duct Area (ft ²)	Duct Weight (lb/ft)
28	28	149.09	5.4	163
30	30	159.51	6.3	174
42	42	222.01	12.3	242
54	54	284.51	20.3	311
60	60	315.76	25.0	345
84	84	440.76	49.0	482
96	96	503.26	64.0	550
40	20	159.51	5.6	174
54	28	216.80	10.5	237
60	30	237.63	12.5	260
84	42	331.38	24.5	362
96	48	378.26	32.0	413
108	54	425.13	40.5	465
120	60	472.01	50.0	516

RECTANGULAR LAGGED DUCT DATA – ENGLISH UNITS



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:
A5.1.5



**Table A5.1.5-3; Rectangular Lagged Duct – 20 Gage Steel.
Three Layers of 5/8 in. Gypsum Board.**

Duct Width (in)	Duct Height (in)	Lagging Weight (lb/ft)	Duct Area (ft ²)	Duct Weight (lb/ft)
28	28	226.07	5.4	240
30	30	241.70	6.3	256
42	42	335.45	12.3	356
54	54	429.20	20.3	456
60	60	476.07	25.0	505
84	84	663.57	49.0	705
96	96	757.32	64.0	804
40	20	241.70	5.6	256
54	28	327.64	10.5	348
60	30	358.89	12.5	381
84	42	499.51	24.5	530
96	48	569.82	32.0	605
108	54	640.14	40.5	680
120	60	710.45	50.0	754

RECTANGULAR LAGGED DUCT DATA – ENGLISH UNITS



Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:
A5.1.5
 VISCMA
 MEMBER

Round Unlined Duct Data – English Units

Table A5.2.1-1; Round Unlined Duct – 16 Gage Steel.

Duct Diameter (in)	Duct Area (ft ²)	Duct Weight (lb/ft)
30	4.9	19
36	7.1	23
42	9.6	27
48	12.6	31
54	15.9	34
60	19.6	38
66	23.8	42
72	28.3	46
78	33.2	50
84	38.5	54
90	44.2	57
96	50.3	61
102	56.7	65
108	63.6	69

ROUND UNLINED DUCT DATA – ENGLISH UNITS

PAGE 1 OF 1

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
International: 614-889-0480
Fax: 614-889-0540
World Wide Web: www.kineticsnoise.com
Email: sales@kineticsnoise.com

DOCUMENT:

A5.2.1



Round Unlined Duct Data – SI Units

Table A5.2.2-1; Round Unlined Duct – 16 Gage Steel.

Duct Diameter (mm)	Duct Area (m ²)	Duct Weight (N/m)
750	0.44	275
900	0.64	330
1000	0.79	367
1200	1.13	440
1400	1.54	513
1500	1.77	550
1700	2.27	623
1800	2.54	660
2000	3.14	733
2100	3.46	770
2300	4.15	843
2400	4.52	880
2600	5.31	953
2700	5.73	990

ROUND UNLINED DUCT DATA – SI UNITS

PAGE 1 OF 1

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
International: 614-889-0480
Fax: 614-889-0540
World Wide Web: www.kineticsnoise.com
Email: sales@kineticsnoise.com

DOCUMENT:

A5.2.2



Flat Oval Unlined Duct Data – English Units

Table A5.3.1-1; Flat Oval Unlined Duct – 16 Gage Steel.

Duct Height (in)	Duct Width (in)	Duct Flat Width (in)	Duct Area (ft ²)	Duct Weight (lb/ft)
14	60	46	5.5	33
14	66	52	6.1	36
14	72	58	6.7	38
14	78	64	7.3	41
14	84	70	7.9	43
16	48	32	5.0	30
16	54	38	5.6	32
16	60	44	6.3	35
20	36	16	4.4	27
20	48	28	6.1	32
20	60	40	7.7	37
20	72	52	9.4	42
20	84	64	11.1	47
22	36	14	4.8	29
22	48	26	6.6	34
22	60	38	8.4	38
22	72	50	10.3	43
30	72	42	13.7	48
30	78	48	14.9	51
30	84	54	16.2	53

FLAT OVAL UNLINED DUCT DATA – ENGLISH UNITS

PAGE 1 OF 1

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:

A5.3.1



Flat Oval Unlined Duct Data – SI Units

Table A5.3.2-1; Flat Oval Unlined Duct – 16 Gage Steel.

Duct Height (mm)	Duct Width (mm)	Duct Flat Width (mm)	Duct Area (m ²)	Duct Weight (N/m)
350	1500	1150	0.50	478
350	1700	1350	0.57	525
350	1800	1450	0.60	548
350	2000	1650	0.67	595
350	2100	1750	0.71	618
400	1200	800	0.45	427
400	1400	1000	0.53	473
400	1500	1100	0.57	497
500	900	400	0.40	393
500	1200	700	0.55	463
500	1500	1000	0.70	533
500	1800	1300	0.85	603
500	2100	1600	1.00	673
550	900	350	0.43	412
550	1200	650	0.60	482
550	1500	950	0.76	552
550	1800	1250	0.93	622
750	1800	1050	1.23	695
750	2000	1250	1.38	742
750	2100	1350	1.45	765

FLAT OVAL UNLINED DUCT DATA – SI UNITS

PAGE 1 OF 1

RELEASE DATE: 10/25/04



DUBLIN, OHIO, USA • MISSISSAUGA, ONTARIO, CANADA

Toll Free (USA only): 800-959-1229
 International: 614-889-0480
 Fax: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 Email: sales@kineticsnoise.com

DOCUMENT:

A5.3.2

