

## FLAT OVAL DUCT DATA

Table A3.3-1; Non-Insulated Flat Oval Duct: 16 Gage Steel  
(*Does Not* Include Reinforcement Steel)

Duct Height (in)	Duct Width (in)	Duct Flat Width (in)	Duct Area (ft <sup>2</sup> )	Duct Weight (lb/ft)
14	60	46	5.5	29
14	66	52	6.1	32
14	72	58	6.7	34
14	78	64	7.3	37
14	84	70	7.9	40
16	48	32	5.0	25
16	54	38	5.6	27
16	60	44	6.3	30
20	36	16	4.4	20
20	48	28	6.1	26
20	60	40	7.7	31
20	72	52	9.4	36
20	84	64	11.1	41
22	36	14	4.8	21
22	48	26	6.6	26
22	60	38	8.4	31
22	72	50	10.3	36
30	72	42	13.7	38
30	78	48	14.9	41
30	84	54	16.2	44

### FLAT OVAL DUCT DATA

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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](http://www.kineticsnoise.com)  
 E-mail: [sales@kineticsnoise.com](mailto:sales@kineticsnoise.com)

### SECTION – A3.3

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Table A3.3-2; Insulated Flat Oval Duct: 16 Gage Steel & 1.5 pcf Insulation  
(Does Not Include Reinforcement Steel)

Duct Height (in)	Duct Width (in)	Duct Area (ft <sup>2</sup> )	Bare Duct + 1-1/4" Insulation Weight (lb/ft)	Bare Duct + 2" Insulation Weight (lb/ft)	Bare Duct + 3" Insulation Weight (lb/ft)	Bare Duct + 4" Insulation Weight (lb/ft)
14	60	5.5	31.1	32.2	33.6	35.0
14	66	6.1	33.8	35.0	36.5	38.1
14	72	6.7	36.6	37.8	39.5	41.2
14	78	7.3	39.3	40.7	42.5	44.3
14	84	7.9	42.1	43.5	45.4	47.3
16	48	5.0	26.1	27.0	28.2	29.4
16	54	5.6	28.9	29.9	31.2	32.5
16	60	6.3	31.6	32.7	34.1	35.6
20	36	4.4	21.7	22.4	23.4	24.4
20	48	6.1	27.2	28.1	29.3	30.6
20	60	7.7	32.7	33.8	35.3	36.8
20	72	9.4	38.1	39.5	41.2	42.9
20	84	11.1	43.6	45.1	47.1	49.1
22	36	4.8	22.2	23.0	24.0	25.0
22	48	6.6	27.7	28.6	29.9	31.2
22	60	8.4	33.2	34.3	35.8	37.3
22	72	10.3	38.7	40.0	41.8	43.5
30	72	13.7	40.8	42.2	44.0	45.9
30	78	14.9	43.5	45.0	47.0	49.0
30	84	16.2	46.2	47.8	49.9	52.0

**FLAT OVAL DUCT DATA**  
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 E-mail: [sales@kineticsnoise.com](mailto:sales@kineticsnoise.com)



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**Table A3.3-3; Insulated Flat Oval Duct: 16 Gage Steel & 3 pcf Insulation  
(Does Not Include Reinforcement Steel)**

Duct Height (in)	Duct Width (in)	Duct Area (ft <sup>2</sup> )	Bare Duct + 1" Insulation Weight (lb/ft)	Bare Duct + 2" Insulation Weight (lb/ft)	Bare Duct + 3" Insulation Weight (lb/ft)	Bare Duct + 4" Insulation Weight (lb/ft)
14	60	5.5	32.2	35.0	37.8	40.7
14	66	6.1	35.0	38.1	41.2	44.2
14	72	6.7	37.8	41.2	44.5	47.8
14	78	7.3	40.7	44.3	47.8	51.4
14	84	7.9	43.5	47.3	51.2	55.0
16	48	5.0	27.0	29.4	31.8	34.2
16	54	5.6	29.9	32.5	35.1	37.8
16	60	6.3	32.7	35.6	38.5	41.3
20	36	4.4	22.4	24.4	26.4	28.4
20	48	6.1	28.1	30.6	33.1	35.5
20	60	7.7	33.8	36.8	39.7	42.7
20	72	9.4	39.5	42.9	46.4	49.9
20	84	11.1	45.1	49.1	53.1	57.1
22	36	4.8	23.0	25.0	27.0	29.0
22	48	6.6	28.6	31.2	33.7	36.2
22	60	8.4	34.3	37.3	40.4	43.4
22	72	10.3	40.0	43.5	47.0	50.6
30	72	13.7	42.2	45.9	49.6	53.3
30	78	14.9	45.0	49.0	52.9	56.9
30	84	16.2	47.8	52.0	56.3	60.5

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 World Wide Web: [www.kineticsnoise.com](http://www.kineticsnoise.com)  
 E-mail: [sales@kineticsnoise.com](mailto:sales@kineticsnoise.com)



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**Table A3.3-4; Insulated Flat Oval Duct: 16 Gage Steel & 6 pcf Insulation  
(Does Not Include Reinforcement Steel)**

Duct Height (in)	Duct Width (in)	Duct Area (ft <sup>2</sup> )	Bare Duct + 1" Insulation Weight (lb/ft)	Bare Duct + 2" Insulation Weight (lb/ft)
14	60	5.5	35.0	40.7
14	66	6.1	38.1	44.2
14	72	6.7	41.2	47.8
14	78	7.3	44.3	51.4
14	84	7.9	47.3	55.0
16	48	5.0	29.4	34.2
16	54	5.6	32.5	37.8
16	60	6.3	35.6	41.3
20	36	4.4	24.4	28.4
20	48	6.1	30.6	35.5
20	60	7.7	36.8	42.7
20	72	9.4	42.9	49.9
20	84	11.1	49.1	57.1
22	36	4.8	25.0	29.0
22	48	6.6	31.2	36.2
22	60	8.4	37.3	43.4
22	72	10.3	43.5	50.6
30	72	13.7	45.9	53.3
30	78	14.9	49.0	56.9
30	84	16.2	52.0	60.5

