

The Reggio Register Company
31 Jytek Road
Leominster, MA 01453
(978) 870-1020

PERFORMANCE TEST RESULTS

Model 814 - (fits into 6x12 duct)

Sidewall Mount at Ceiling

THROW-TERMINAL VELOCITY

DISTANCE FROM OUTLET, FT (T)

[illegible]

DISTANCE FROM OUTLET, FT (T)

[illegible]

DISTANCE FROM OUTLET, FT (T)

[illegible]

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PERFORMANCE TEST RESULTS

Model 612 - (fits into 4x10 duct)

Sidewall Mount at Ceiling

DISTANCE FROM OUTLET, FT (T)

[illegible]

DISTANCE FROM OUTLET, FT (T)

RUN No. 2 Clm, Q ₂ 100 P ₈ 0.03 Pt _____	Inches from ceiling 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	145 170 280 345 220 60 0	150 160 210 250 150 55 0	150 135 150 130 85 0 0	135 130 140 110 70 0 0	135 125 125 75 50 0 0	120 120 100 65 50 0 0	115 105 80 50 0 0 0	105 100 80 60 0 0 0	100 90 80 60 0 0 0	90 85 80 55 0 0 0	85 80 75 55 0 0 0	85 75 70 50 0 0 0	80 75 65 50 0 0 0	75 70 55 50 0 0 0	75 70 55 50 0 0 0	65 50 55 0 0 0 0	55 50 55 0 0 0 0	55 50 55 0 0 0 0
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DISTANCE FROM OUTLET, FT (T)

[illegible]

BRASS, CAST IRON and ALUMINUM GRILLES ARE APPROXIMATELY 75% OPEN

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PERFORMANCE TEST RESULTS
Model 814 = (fits into 6x12 duct)

Octave Band Center Frequency	Discharge Sound Power Level Lw dB re 10 Watt			
	Test Number			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Hertz				
125	(37)	(41)	(42)	(44)
250	(28)	35	39	43
500	26	35	40	44
1000	(20)	31	38	43
2000	(18)	(21)	32	37
4000	(22)	(22)	(25)	32
8000	(29)	(29)	(29)	(29)
Total Air Volume CFM	150	200	250	300
Inlet Static Pressure				
Inches H ₂ O	0.017	0.03	0.047	0.065
*Noise Criteria	<10	19	26	32

Model 1214G = (fits into 10x12 duct)

Octave Band Center Frequency	Discharge Sound Power Level Lw dB re 10 Watt			
	Test Number			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Hertz				
125	(45)	(43)	(45)	(46)
250	36	36	(41)	44
500	29	32	38	42
1000	23	30	36	40
2000	(18)	(22)	29	35
4000	(21)	(21)	(22)	(27)
8000	(28)	(28)	(28)	(28)
Total Air Volume CFM	400	500	600	700
Inlet Static Pressure				
Inches H ₂ O	0.025	0.035	0.05	0.07
*Noise Criteria	11	18	24	29

Note: Sound power level data in parentheses has reached ambient levels in the test room or is determined by instrument limitations. Actual levels are less than or equal to levels indicated.

*Noise Criteria ratings were determined by subtracting 10 dB (room effect) from the Sound Power Levels.

ALL METAL GRILLES HAVE APPROXIMATELY 75% FREE AREA

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PERFORMANCE TEST RESULTS
Model 414 = (fits into 2¼x12 duct)

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Octave Band Center Frequency	Discharge Sound Power Level Lw dB re 10 Watt			
Hertz	Test Number			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
125	(39)	(39)	(41)	(43)
250	(29)	34	38	41
500	25	32	37	41
1000	23	29	34	38
2000	(18)	24	31	35
4000	(22)	(22)	(28)	35
8000	(29)	(29)	(29)	(29)
Total Air Volume CFM	100	125	150	175
Inlet Static Pressure				
Inches H ₂ O	0.10	0.155	0.225	0.310
*Noise Criteria	<10	17	22	28

Model 612 = (fits into 4x10 duct)

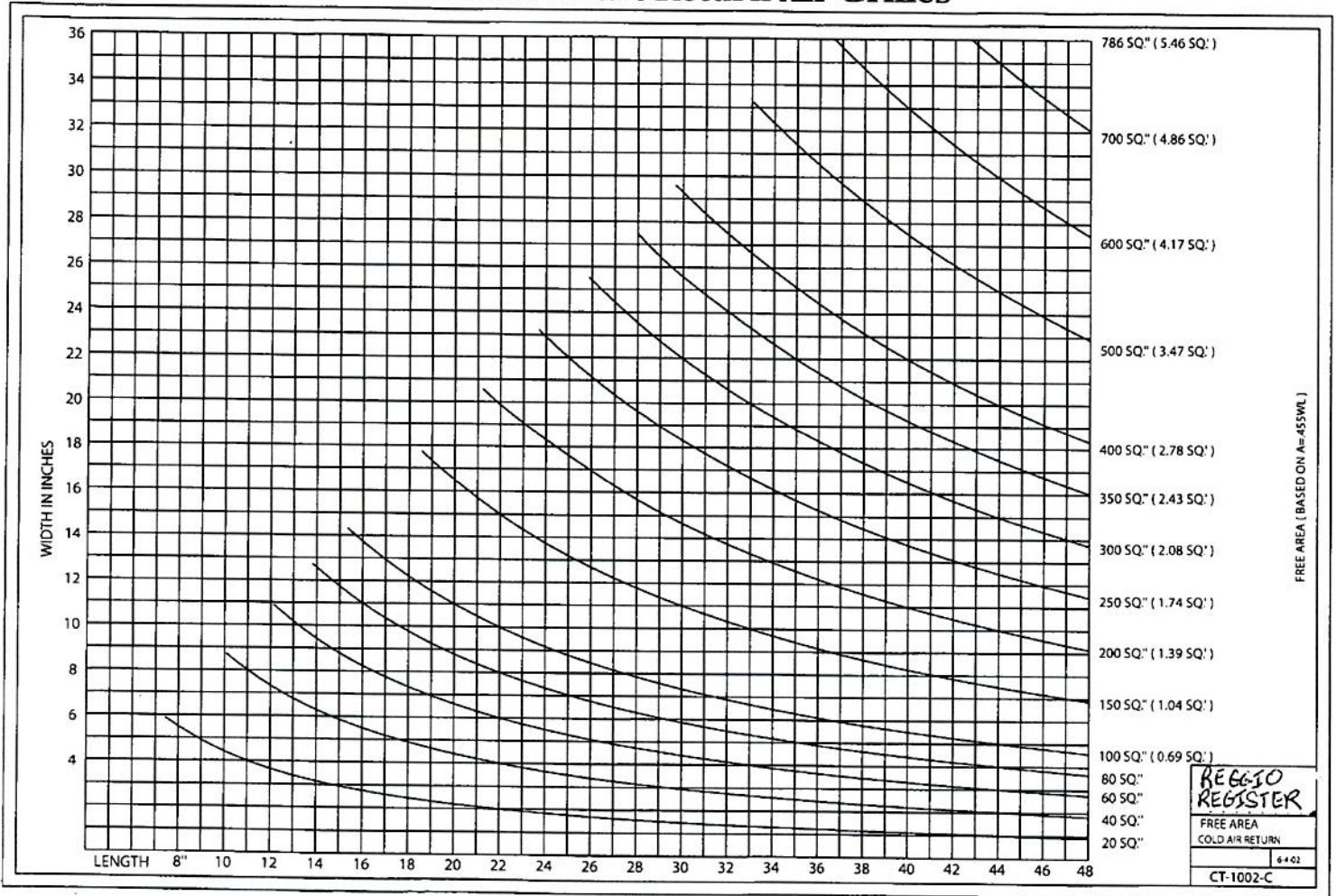
-12

Octave Band Center Frequency	Discharge Sound Power Level Lw dB re 10 Watt			
Hertz	Test Number			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
125	(39)	(38)	(42)	46
250	29	32	38	44
500	25	30	38	43
1000	(21)	26	35	41
2000	(18)	(20)	31	38
4000	(22)	(22)	(25)	35
8000	(29)	(29)	(29)	(30)
Total Air Volume CFM	125	150	200	250
Inlet Static Pressure				
Inches H ₂ O	0.05	0.07	0.125	0.200
*Noise Criteria	<10	14	23	30

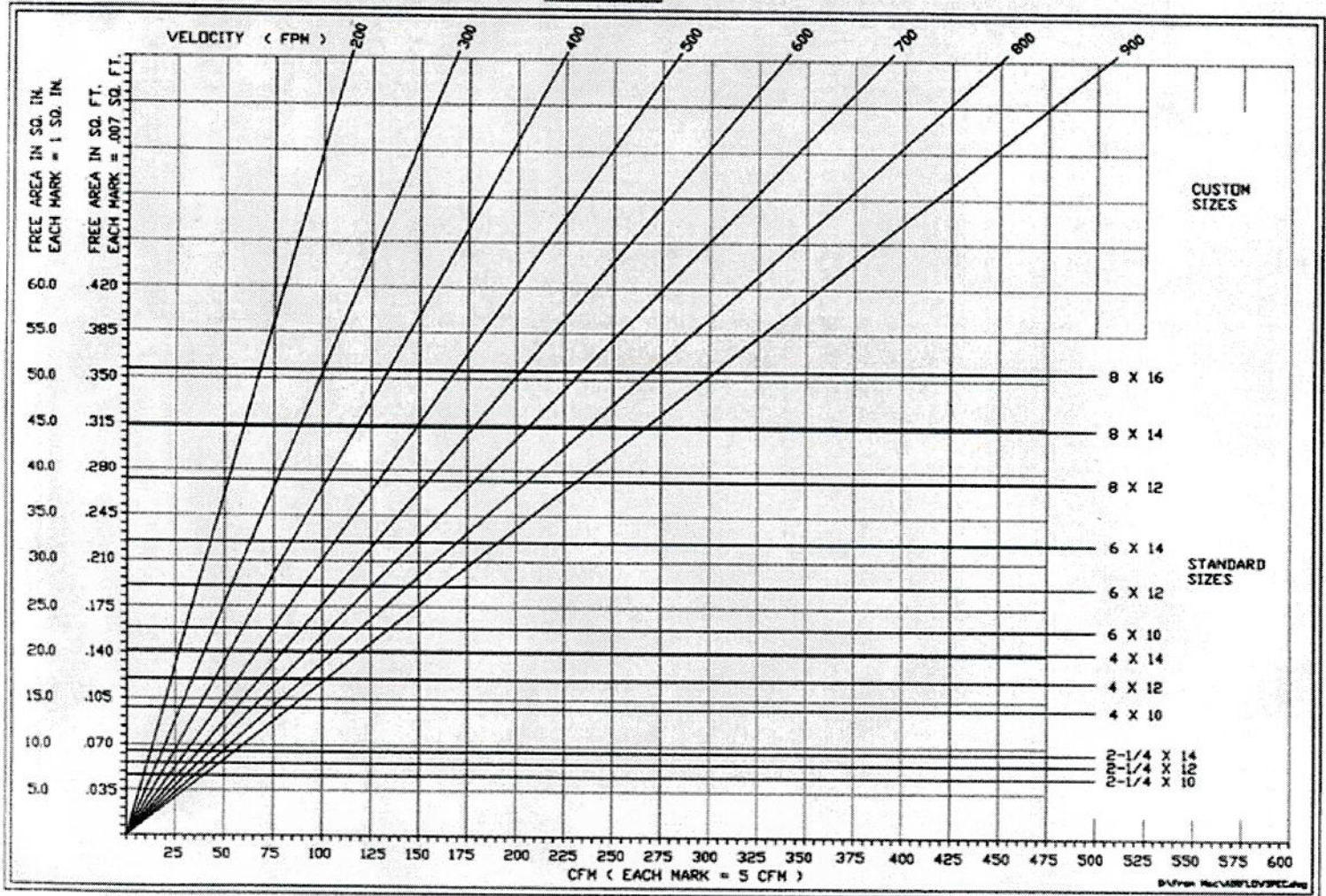
Note: Sound power level data in parentheses has reached ambient levels in the test room or is determined by instrument limitations. Actual levels are less than or equal to levels indicated.

*Noise Criteria ratings were determined by subtracting 10 dB (room effect) from the Sound Power Levels.

Air Flow Chart Return Air Grilles



TWO WAY FLOOR DIFFUSER - STD.



Approx free area in relation to corresponding duct opening

Model #	Duct opening		Model #	Duct iopening	
G412	10" x 2 1/4"	50%	G824	22" x 6"	54%
G414	12" x 2 1/4"	50%	G826	24" x 6"	54%
G416	14" x 2 1/4"	50%	G832	30" x 6"	54%
G610	8" x 4"	56%	G1010	8" x 8"	56%
G612	10" x 4"	56%	G1012	10" x 8"	56%
G614	12" x 4"	56%	G1014	12" x 8"	56%
G616	14" x 4"	56%	G1016	14" x 8"	56%
G808	6" x 6"	56%	G1212	10" x 10"	56%
G812	10" x 6"	56%	G1414	12" x 12"	56%
G814	12" x 6"	56%	G1426S	24" x 12"	56%
G816	14" x 6"	56%	G1616	14" x 14"	56%
			G1727S	24" x 14"	56%
			G1733S	30" x 14"	56%
			G2020	18" x 18"	56%