Understand Duct Sizing Chart: A Quick Guide

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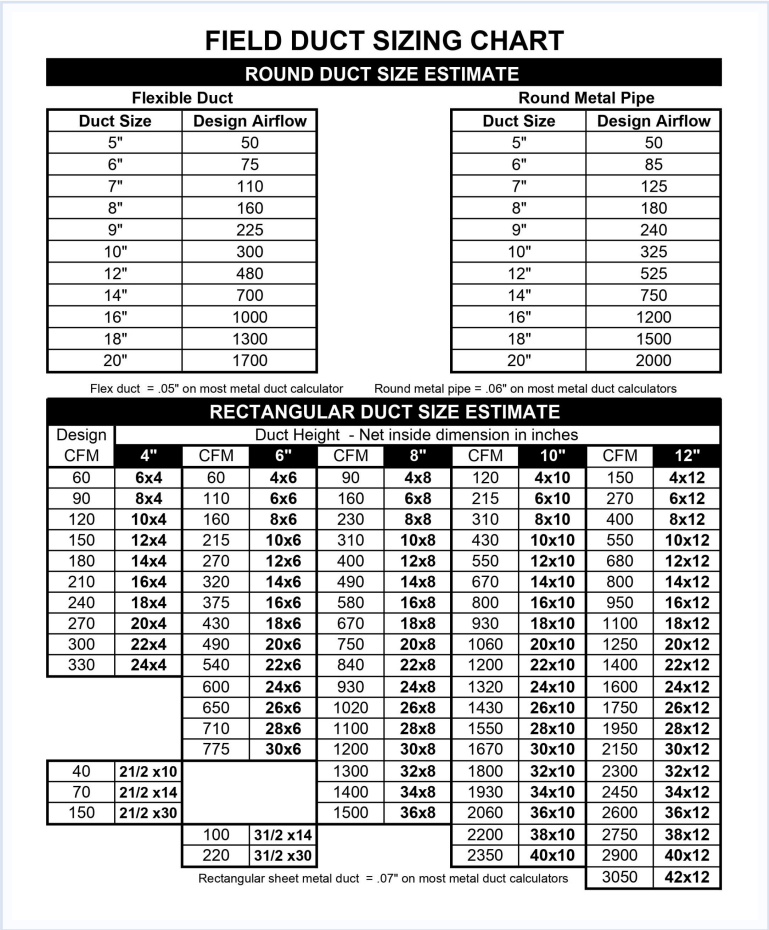

FIELD DUCT SIZING CHART

ROUND DUCT SIZE ESTIMATE

Flexible Duct

Duct Size	Design Airflow
5"	50
6"	75
7"	110
8"	160
9"	225
10"	300
12"	480
14"	700
16"	1000
18"	1300
20"	1700

Flex duct = .05" on most metal duct calculator

Round Metal Pipe

Duct Size	Design Airflow
5"	50
6"	85
7"	125
8"	180
9"	240
10"	325
12"	525
14"	750
16"	1200
18"	1500
20"	2000

Round metal pipe = .06" on most metal duct calculators

RECTANGULAR DUCT SIZE ESTIMATE

Design CFM	4"	CFM	6"	CFM	8"	CFM	10"	CFM	12"
60	6x4	60	4x6	90	4x8	120	4x10	150	4x12
90	8x4	110	6x6	160	6x8	215	6x10	270	6x12
120	10x4	160	8x6	230	8x8	310	8x10	400	8x12
150	12x4	215	10x6	310	10x8	430	10x10	550	10x12
180	14x4	270	12x6	400	12x8	550	12x10	680	12x12
210	16x4	320	14x6	490	14x8	670	14x10	800	14x12
240	18x4	375	16x6	580	16x8	800	16x10	950	16x12
270	20x4	430	18x6	670	18x8	930	18x10	1100	18x12
300	22x4	490	20x6	750	20x8	1060	20x10	1250	20x12
330	24x4	540	22x6	840	22x8	1200	22x10	1400	22x12
		600	24x6	930	24x8	1320	24x10	1600	24x12
		650	26x6	1020	26x8	1430	26x10	1750	26x12
		710	28x6	1100	28x8	1550	28x10	1950	28x12
		775	30x6	1200	30x8	1670	30x10	2150	30x12
40	21/2 x10			1300	32x8	1800	32x10	2300	32x12
70	21/2 x14			1400	34x8	1930	34x10	2450	34x12
150	21/2 x30			1500	36x8	2060	36x10	2600	36x12
		100	31/2 x14			2200	38x10	2750	38x12
		220	31/2 x30			2350	40x10	2900	40x12
								3050	42x12

Rectangular sheet metal duct = .07" on most metal duct calculators

Printing & Usage Overview

Many folks get tripped up by thinking a duct sizing chart is some kind of complex, mysterious tool, but it's actually a straightforward, handy reference. It's like a map to help you navigate the world of ductwork dimensions. The chart provides a visual guide, often with easy-to-read tables, to ensure you select the right size duct for your HVAC system. While the values might vary slightly depending on your region or the specific standards you follow, the duct sizing chart is a reliable starting point, offering a simple, quick solution to a potentially confusing task. Duct Sizing: Understanding the Chart The duct sizing chart is your practical guide to selecting the right size ducts for your HVAC system. It's a simple yet effective tool that helps you match the duct dimensions to your specific needs, ensuring efficient airflow and a comfortable indoor environment. Key Details and Categories Before diving into the

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