

Duct Systems

Heating & Cooling Quick-sizing Table

AIRFLOW CFM	SUPPLY OR RETURN ⁽¹⁾ MAIN DUCT SIZE	TABLE A
200	8" RD OR 6" X 8"	
300	9" RD OR 8" X 8"	
400	10" RD OR 10" X 8"	
500	11" RD OR 14" X 8", 10" X 10"	
600	12" RD OR 16" X 8", 12" X 10"	
700	13" RD OR 18" X 8", 14" X 10", 12" X 12"	
800	14" RD OR 22" X 8", 16" X 10", 14" X 12"	
1000	16" RD OR 28" X 8", 20" X 10", 16" X 12"	
1200	17" RD OR 32" X 8", 24" X 10", 20" X 12"	
1400	18" RD OR 28" X 10", 24" X 12"	
1600	20" RD OR 32" X 10", 28" X 12"	
1800	21" RD OR 30" X 12"	
2000	22" RD OR 34" X 12"	
AIRFLOW CFM	SUPPLY BRANCH ⁽¹⁾ DUCT SIZE	TABLE B
80	5" RD	
120	6" RD OR 3-1/2" X 10"	
160	7" RD	
AIRFLOW CFM	RETURN BRANCH ⁽¹⁾ DUCT SIZE	TABLE C
175	STUD WALL 14" X 3-1/2"	
400	PANNED JOIST 14" X 8"	
AIRFLOW CFM	RETURN AIR GRILLE SIZE	TABLE D
200	80 SQ. IN.	
400	160 SQ. IN.	
600	240 SQ. IN.	
800	340 SQ. IN.	
1000	440 SQ. IN.	
1200	540 SQ. IN.	

⁽¹⁾ Air moving device must have available 0.1 inch of external pressure for each 100 equivalent feet of duct system.