

AIR VOLUME IN CFM HANDLED THROUGH BRANCH PIPES

Diameter of pipe	Velocity in pipe in fpm								
	2,000	2,500	3,000	3,500	3,750	4,000	4,500	5,000	5,500
3"	98	123	147	172	184	197	221	246	270
3½"	134	167	200	234	250	267	300	334	367
4"	175	218	262	306	327	350	393	437	480
4½"	221	276	331	387	415	442	497	552	608
5"	273	341	409	473	512	546	614	682	750
5½"	330	413	495	578	618	660	742	824	908
6"	393	491	589	688	736	786	884	982	1,080
7"	534	668	802	936	1,002	1,070	1,204	1,338	1,472
8"	699	874	1,048	1,220	1,309	1,396	1,571	1,745	1,920
9"	882	1,105	1,325	1,546	1,652	1,766	1,988	2,210	2,430
10"	1,092	1,364	1,637	1,910	2,046	2,182	2,456	2,730	3,000
11"	1,320	1,650	1,980	2,310	2,475	2,640	2,970	3,300	3,630
12"	1,570	1,965	2,355	2,750	2,946	3,140	3,535	3,915	4,320

13"	1,840	2,305	2,765	3,225	3,457	3,685	4,150	4,610	5,057
14"	2,140	2,670	3,207	3,740	4,009	4,276	4,810	5,345	5,880
15"	2,454	3,068	3,618	4,290	4,602	4,910	5,520	6,135	6,740
16"	2,795	3,491	4,190	4,885	5,236	5,587	6,280	6,983	7,685
17"	3,153	3,940	4,730	5,520	5,911	6,305	7,100	7,881	8,665
18"	3,534	4,418	5,300	6,185	6,627	7,068	7,950	8,835	9,720
19"	3,939	4,923	5,907	6,890	7,384	7,876	8,865	9,845	10,825
20"	4,364	5,455	6,546	7,400	8,182	8,728	9,515	10,910	11,625
22"	5,280	6,600	7,920	9,235	9,899	10,560	11,875	13,200	14,520
24"	6,283	7,854	9,425	11,000	11,781	12,566	14,125	15,708	17,275
26"	7,374	9,218	11,061	12,900	13,827	14,748	16,580	18,435	20,250
27"	7,952	9,940	11,918	13,906	14,910	15,904	17,892	19,880	21,868
28"	8,552	10,690	12,828	14,950	16,035	17,104	19,215	21,380	23,485
30"	9,818	12,272	14,727	17,190	18,408	19,636	22,090	24,544	27,000
32"	11,170	13,962	16,755	19,550	20,944	22,340	25,175	27,924	30,700
33"	11,880	14,850	17,820	20,970	22,274	23,760	26,730	29,700	32,670
34"	12,610	15,762	18,915	22,050	23,644	25,220	28,350	31,524	34,650
36"	14,136	17,670	21,204	24,725	26,507	28,272	31,800	35,340	38,850
45"	22,090	27,612	33,657	38,657	41,400	44,180	49,702	55,225	60,748