



# PERFORMANCE DATA

MODEL: APR3  
 PERFORATED RETURN  
 T-BAR, ROUND NECK

PANEL SIZE	NOMINAL NECK SIZE	NECK VELOCITY, FPM	300	400	500	600	700	800	1000	1200	1400	
		NEGATIVE SP	.024	.042	.067	.096	.130	.170	.266	.383	.522	
24" X 24"	6" DIA.	VP	.006	.010	.016	.023	.031	.040	.063	.090	.123	
		AIR FLOW, CFM	59	78	98	118	137	157	196	235	275	
	8" DIA.	NC	-	-	-	10	15	19	26	33	38	
		AIR FLOW, CFM	105	140	175	209	244	279	349	419	489	
	10" DIA.	NC	-	-	-	14	19	23	30	37	42	
		AIR FLOW, CFM	164	218	273	327	382	436	545	654	764	
	12" DIA.	NC	-	-	10	16	21	25	32	39	44	
		AIR FLOW, CFM	236	314	393	471	550	628	785	942	1100	
	14" DIA.	NC	-	-	13	19	24	28	35	42	47	
		AIR FLOW, CFM	321	428	535	641	748	855	1069	1283	1497	
	16" DIA.	NC	-	-	15	21	26	30	37	44	49	
		AIR FLOW, CFM	419	559	698	838	977	1117	1396	1676	1955	
			NC	-	10	17	23	28	32	39	46	51

FORMERLY MODEL 5190

MODEL: APR3  
 PERFORATED RETURN  
 T-BAR, SQUARE NECK

PANEL SIZE	NOMINAL NECK SIZE	NECK VELOCITY, FPM	300	400	500	600	700	800	1000	1200	1400
		NEGATIVE SP	.024	.042	.067	.096	.130	.170	.266	.383	.522
12" X 12"	10" X 10"	VP	.006	.010	.016	.023	.031	.040	.063	.090	.123
		AIR FLOW, CFM	208	277	347	416	485	555	694	832	971
		NC	-	15	22	28	33	37	44	51	57
20" X 20"	18" X 18"	AIR FLOW, CFM	675	900	1125	1350	1575	1800	2250	2700	3150
		NC	-	17	24	30	35	39	46	53	58
24" X 12"	22" X 10"	AIR FLOW, CFM	459	612	765	918	1071	1224	1530	1836	2142
		NC	-	17	23	29	34	39	46	53	58
6" X 6"	6" X 6"	AIR FLOW, CFM	75	100	125	150	175	200	250	300	350
		NC	-	-	-	12	17	21	28	35	40
		AIR FLOW, CFM	133	178	222	267	311	356	444	533	622
8" X 8"	8" X 8"	NC	-	-	-	15	20	24	31	38	43
		AIR FLOW, CFM	164	218	273	327	382	436	545	654	764
		NC	-	-	10	16	21	25	32	39	44
24" X 24"	12" X 12"	AIR FLOW, CFM	300	400	500	600	700	800	900	1200	1400
		NC	-	-	14	20	25	29	36	43	48
		AIR FLOW, CFM	408	544	681	817	953	1089	1361	1633	1906
14" X 14"	14" X 14"	NC	-	10	17	23	28	32	39	46	51
		AIR FLOW, CFM	469	625	781	938	1094	1250	1563	1875	2188
		NC	-	12	19	25	30	34	41	48	53
18" X 18"	18" X 18"	AIR FLOW, CFM	675	900	1125	1350	1575	1800	2250	2700	3150
		NC	-	16	23	29	34	38	45	52	57
		AIR FLOW, CFM	1007	1344	1679	2015	2352	2688	3359	4031	4704
22" X 22"	22" X 22"	NC	-	18	25	31	36	40	47	54	59
		AIR FLOW, CFM	2108	2811	3514	4217	4919	5622	7028	8433	9839
48" X 24"	46" X 22"	NC	11	20	27	34	38	43	50	57	62

FORMERLY MODEL 4390

- CFM** Cubic feet per minute
- FPM** Feet per minute velocity
- TP** Total pressure - inches w.g.
- VP** Velocity pressure - inches w.g.
- T** Throw in feet
- NC** Noise criteria (values) based on 10 dB room absorption, re 10 (to 12th power) watts.

**Performance notes:**

1. Data derived from tests conducted in accordance with ISO Standard 5219, ISO Standard 3741 and ADC Test Code 1062 GRD84.