

1900SQS Performance Data: Horizontal Throw

IP/METRIC DATA: 1900SQS, 3/4" SLOT WIDTH, 1-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m							
8" Dia.	100	35	0.002	.003	1 - 2 - 3	-	0.51	16	0.5	0.6	0.2 - 0.5 - 1.0	-	-	-	-	-	-	
	200	70	0.008	.010	2 - 3 - 6	-	1.02	33	2.0	2.6	0.7 - 1.0 - 1.8	24	21	12	-	-	-	
	300	105	0.018	.023	3 - 5 - 7	-	1.52	49	4.4	5.8	1.0 - 1.5 - 2.2	32	30	23	-	-	-	
	400	140	0.032	.042	4 - 6 - 8	14	2.03	66	7.9	10.4	1.3 - 1.8 - 2.6	38	37	30	16	-	-	
	500	175	0.049	.065	5 - 7 - 9	20	2.54	82	12.3	16.2	1.6 - 2.0 - 2.9	43	42	36	23	14	-	
	600	209	0.071	.094	6 - 7 - 10	26	3.05	99	17.7	23.3	1.8 - 2.2 - 3.1	46	46	41	29	21	13	
	700	244	0.097	.127	6 - 8 - 11	30	3.56	115	24.1	31.7	2.0 - 2.4 - 3.4	49	50	46	35	26	18	
	800	279	0.126	.166	7 - 8 - 12	34	4.06	132	31.5	41.4	2.1 - 2.6 - 3.6	52	53	49	39	32	22	
	900	314	0.160	.211	7 - 9 - 13	38	4.57	148	39.9	52.4	2.2 - 2.7 - 3.8	54	55	52	43	36	25	

IP/METRIC DATA: 1900SQS, 3/4" SLOT WIDTH, 2-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data											
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
8" Dia.	200	70	0.004	.006	1 - 2 - 5	-	1.02	33	1.0	1.6	0.3 - 0.6 - 1.4	19	12	-	-	-	-	
	300	105	0.009	.015	2 - 3 - 7	-	1.52	49	2.2	3.6	0.6 - 1.1 - 2.1	26	21	14	-	-	-	
	500	175	0.025	.041	4 - 6 - 9	-	2.54	82	6.2	10.1	1.2 - 1.8 - 2.9	35	33	27	13	-	-	
	600	209	0.036	.058	5 - 7 - 10	16	3.05	99	8.9	14.5	1.4 - 2.1 - 3.1	39	37	32	19	-	-	
	700	244	0.049	.079	5 - 8 - 11	20	3.56	115	12.2	19.8	1.6 - 2.4 - 3.4	41	41	36	24	15	-	
	800	279	0.064	.104	6 - 8 - 12	24	4.06	132	15.9	25.8	1.9 - 2.6 - 3.6	44	44	40	29	20	12	
	900	314	0.081	.131	7 - 9 - 13	28	4.57	148	20.1	32.7	2.1 - 2.7 - 3.8	46	46	43	33	25	16	
	1000	349	0.100	.162	8 - 9 - 13	31	5.08	165	24.8	40.3	2.3 - 2.9 - 4.0	48	49	46	36	29	20	
	1100	384	0.121	.196	8 - 10 - 14	33	5.59	181	30.0	48.8	2.4 - 3.0 - 4.2	49	51	48	39	33	23	
10" Dia.	200	109	0.010	.013	2 - 4 - 7	-	1.02	51	2.5	3.1	0.7 - 1.1 - 2.2	28	20	15	-	-	-	
	275	150	0.019	.024	3 - 5 - 9	-	1.40	71	4.8	5.9	1.0 - 1.5 - 2.6	34	27	23	-	-	-	
	350	191	0.031	.039	4 - 6 - 10	13	1.78	90	7.7	9.6	1.3 - 1.9 - 3.0	38	33	29	17	-	-	
	400	218	0.040	.050	5 - 7 - 11	17	2.03	103	10.1	12.6	1.5 - 2.2 - 3.2	40	36	33	21	-	-	
	500	273	0.063	.079	6 - 8 - 12	23	2.54	129	15.8	19.6	1.8 - 2.5 - 3.6	44	41	39	28	19	11	
	600	327	0.091	.114	7 - 9 - 13	28	3.05	154	22.7	28.3	2.2 - 2.8 - 3.9	48	45	44	34	26	17	
	700	382	0.124	.155	8 - 10 - 14	33	3.56	180	30.9	38.5	2.4 - 3.0 - 4.2	50	48	48	39	32	22	
	800	436	0.162	.202	9 - 11 - 15	37	4.06	206	40.3	50.3	2.6 - 3.2 - 4.5	53	51	52	44	38	26	
	900	491	0.205	.255	9 - 11 - 16	40	4.57	232	51.0	63.6	2.8 - 3.4 - 4.8	55	54	55	48	43	30	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Blades are in horizontal full flow position; see page E1-79 for blade orientation. See selection software for performance data not shown, including octave band data.

1900SQS Performance Data: Horizontal Throw

IP/METRIC DATA: 1900SQS, 3/4" SLOT WIDTH, 3-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
8" Dia.	200	70	0.001	.004	1 - 1 - 4	-	1.02	33	0.3	0.9	0.2 - 0.4 - 1.1	13	-	-	-	-	-	
	300	105	0.003	.008	1 - 3 - 6	-	1.52	49	0.7	2.1	0.4 - 0.8 - 1.7	22	16	-	-	-	-	
	500	175	0.007	.023	3 - 5 - 9	-	2.54	82	1.8	5.7	1.0 - 1.4 - 2.9	32	29	22	-	-	-	
	600	209	0.010	.033	4 - 6 - 10	11	3.05	99	2.6	8.2	1.1 - 1.7 - 3.1	36	33	27	11	-	-	
	700	244	0.014	.045	4 - 7 - 11	16	3.56	115	3.6	11.2	1.3 - 2.0 - 3.4	39	37	32	17	-	-	
	800	279	0.019	.059	5 - 8 - 12	20	4.06	132	4.6	14.6	1.5 - 2.3 - 3.6	42	40	35	22	14	-	
	900	314	0.024	.074	6 - 8 - 13	23	4.57	148	5.9	18.4	1.7 - 2.6 - 3.8	45	43	39	26	19	11	
	1000	349	0.029	.091	6 - 9 - 13	26	5.08	165	7.3	22.8	1.9 - 2.9 - 4.0	47	46	42	29	23	14	
	1100	384	0.035	.111	7 - 10 - 14	29	5.59	181	8.8	27.6	2.1 - 3.0 - 4.2	49	48	44	33	27	17	
10" Dia.	200	109	0.002	.004	1 - 3 - 6	-	1.02	51	0.4	1.0	0.4 - 0.9 - 1.8	21	13	-	-	-	-	
	300	164	0.004	.009	3 - 4 - 9	-	1.52	77	0.9	2.3	0.9 - 1.3 - 2.7	29	23	17	-	-	-	
	500	273	0.010	.026	5 - 7 - 12	16	2.54	129	2.6	6.4	1.5 - 2.2 - 3.6	40	36	32	17	-	-	
	600	327	0.015	.037	6 - 9 - 13	21	3.05	154	3.7	9.3	1.8 - 2.7 - 3.9	44	40	37	24	16	-	
	700	382	0.020	.051	7 - 10 - 14	26	3.56	180	5.0	12.6	2.1 - 3.0 - 4.2	47	44	42	29	22	14	
	800	436	0.026	.066	8 - 11 - 15	30	4.06	206	6.6	16.5	2.4 - 3.2 - 4.5	50	48	45	34	28	18	
	900	491	0.033	.084	9 - 11 - 16	34	4.57	232	8.3	20.9	2.7 - 3.4 - 4.8	52	50	49	38	33	21	
	1000	545	0.041	.104	10 - 12 - 17	37	5.08	257	10.3	25.8	2.9 - 3.6 - 5.0	55	53	52	42	37	24	
	1100	600	0.050	.125	10 - 12 - 17	40	5.59	283	12.4	31.2	3.1 - 3.7 - 5.3	57	55	55	45	41	27	
12" Dia.	200	157	0.002	.005	3 - 4 - 8	-	1.02	74	0.6	1.2	0.8 - 1.3 - 2.6	27	19	14	-	-	-	
	250	196	0.004	.007	4 - 5 - 10	-	1.27	93	0.9	1.8	1.1 - 1.6 - 3.0	32	25	21	-	-	-	
	300	236	0.005	.011	4 - 6 - 11	-	1.52	111	1.3	2.7	1.3 - 1.9 - 3.3	36	29	26	-	-	-	
	400	314	0.009	.019	6 - 8 - 13	17	2.03	148	2.2	4.7	1.7 - 2.6 - 3.8	42	37	34	20	11	-	
	500	393	0.014	.030	7 - 10 - 14	24	2.54	185	3.5	7.4	2.1 - 3.0 - 4.3	46	42	40	27	20	13	
	600	471	0.020	.043	8 - 11 - 15	30	3.05	222	5.0	10.6	2.6 - 3.3 - 4.7	50	47	45	34	28	18	
	700	550	0.027	.058	10 - 12 - 17	35	3.56	259	6.8	14.4	2.9 - 3.6 - 5.1	53	50	50	39	34	22	
	800	628	0.036	.076	10 - 13 - 18	39	4.06	297	8.9	18.8	3.1 - 3.8 - 5.4	56	54	54	44	40	26	
	900	707	0.045	.096	11 - 13 - 19	42	4.57	334	11.3	23.9	3.3 - 4.1 - 5.7	59	57	57	48	45	30	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Blades are in horizontal full flow position; see page E1-79 for blade orientation. See selection software for performance data not shown, including octave band data.

1900SQS Performance Data: Horizontal Throw

IP/METRIC DATA: 1900SQS, 3/4" SLOT WIDTH, 4-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data											
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
8" Dia.	200	70	0.001	.004	0 - 1 - 3	-	1.02	33	0.3	1.0	0.1 - 0.2 - 0.9	12	-	-	-	-	-	
	300	105	0.003	.009	1 - 2 - 5	-	1.52	49	0.8	2.2	0.2 - 0.5 - 1.5	21	14	-	-	-	-	
	500	175	0.009	.024	2 - 4 - 8	-	2.54	82	2.2	6.0	0.6 - 1.2 - 2.5	32	27	21	-	-	-	
	600	209	0.012	.035	3 - 5 - 10	-	3.05	99	3.1	8.7	0.9 - 1.5 - 3.0	36	32	27	12	-	-	
	700	244	0.017	.048	4 - 6 - 11	15	3.56	115	4.2	11.8	1.2 - 1.7 - 3.4	39	36	31	17	-	-	
	800	279	0.022	.062	4 - 7 - 12	19	4.06	132	5.5	15.5	1.3 - 2.0 - 3.6	42	39	35	22	15	-	
	900	314	0.028	.079	5 - 7 - 13	23	4.57	148	7.0	19.6	1.5 - 2.2 - 3.8	45	42	39	27	20	12	
	1000	349	0.035	.097	5 - 8 - 13	26	5.08	165	8.6	24.2	1.7 - 2.5 - 4.0	47	45	42	31	25	16	
	1100	384	0.042	.117	6 - 9 - 14	29	5.59	181	10.4	29.2	1.8 - 2.7 - 4.2	49	48	45	34	29	19	
10" Dia.	200	109	0.002	.004	1 - 2 - 5	-	1.02	51	0.5	1.1	0.2 - 0.6 - 1.5	19	-	-	-	-	-	
	300	164	0.004	.010	2 - 4 - 8	-	1.52	77	1.1	2.5	0.6 - 1.2 - 2.3	28	21	16	-	-	-	
	500	273	0.012	.028	4 - 6 - 12	14	2.54	129	3.0	6.9	1.3 - 1.9 - 3.6	40	34	31	16	-	-	
	600	327	0.017	.040	5 - 8 - 13	20	3.05	154	4.3	9.9	1.5 - 2.3 - 3.9	44	39	37	23	16	-	
	700	382	0.023	.054	6 - 9 - 14	25	3.56	180	5.8	13.4	1.8 - 2.7 - 4.2	47	43	41	29	23	14	
	800	436	0.031	.071	7 - 10 - 15	30	4.06	206	7.6	17.6	2.1 - 3.1 - 4.5	50	46	45	33	28	18	
	900	491	0.039	.089	8 - 11 - 16	34	4.57	232	9.7	22.2	2.3 - 3.4 - 4.8	53	49	49	38	33	22	
	1000	545	0.048	.110	8 - 12 - 17	37	5.08	257	11.9	27.4	2.6 - 3.6 - 5.0	55	52	52	42	38	25	
	1100	600	0.058	.133	9 - 12 - 17	40	5.59	283	14.4	33.2	2.8 - 3.7 - 5.3	57	54	55	45	41	28	
12" Dia.	200	157	0.003	.005	2 - 4 - 7	-	1.02	74	0.6	1.3	0.5 - 1.1 - 2.2	26	16	12	-	-	-	
	250	196	0.004	.008	3 - 5 - 9	-	1.27	93	1.0	2.0	0.8 - 1.4 - 2.8	31	21	19	-	-	-	
	300	236	0.006	.011	4 - 5 - 11	-	1.52	111	1.4	2.8	1.1 - 1.7 - 3.3	35	26	24	-	-	-	
	400	314	0.010	.020	5 - 7 - 13	16	2.03	148	2.6	5.0	1.5 - 2.2 - 3.8	41	34	33	17	-	-	
	500	393	0.016	.032	6 - 9 - 14	23	2.54	185	4.0	7.9	1.9 - 2.8 - 4.3	46	39	39	25	19	11	
	600	471	0.023	.045	7 - 11 - 15	29	3.05	222	5.7	11.3	2.2 - 3.3 - 4.7	50	44	45	32	27	17	
	700	550	0.031	.062	9 - 12 - 17	34	3.56	259	7.8	15.4	2.6 - 3.6 - 5.1	53	48	49	38	33	21	
	800	628	0.041	.081	10 - 13 - 18	38	4.06	297	10.2	20.1	3.0 - 3.8 - 5.4	56	52	53	42	39	26	
	900	707	0.052	.102	11 - 13 - 19	42	4.57	334	12.9	25.5	3.3 - 4.1 - 5.7	59	55	57	47	44	29	
14" Dia.	100	107	0.001	.001	1 - 2 - 5	-	0.51	50	0.2	0.4	0.2 - 0.5 - 1.5	16	-	-	-	-	-	
	175	187	0.003	.004	2 - 4 - 9	-	0.89	88	0.6	1.1	0.7 - 1.3 - 2.7	28	17	15	-	-	-	
	250	267	0.005	.009	4 - 6 - 12	-	1.27	126	1.3	2.3	1.3 - 1.9 - 3.5	36	26	25	-	-	-	
	325	347	0.009	.015	5 - 8 - 13	16	1.65	164	2.2	3.8	1.6 - 2.5 - 4.0	42	33	33	17	-	-	
	400	428	0.013	.023	7 - 10 - 15	23	2.03	202	3.3	5.8	2.0 - 3.0 - 4.5	46	38	39	25	19	-	
	475	508	0.019	.033	8 - 11 - 16	29	2.41	240	4.7	8.2	2.4 - 3.4 - 4.9	50	43	44	31	26	16	
	550	588	0.025	.044	9 - 12 - 17	34	2.79	277	6.3	11.0	2.8 - 3.7 - 5.2	53	46	49	36	32	20	
	625	668	0.032	.057	10 - 13 - 18	38	3.18	315	8.1	14.1	3.2 - 4.0 - 5.6	56	50	53	41	37	24	
	700																	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Blades are in horizontal full flow position; see page E1-79 for blade orientation. See selection software for performance data not shown, including octave band data.

1900SQS Performance Data: Horizontal Throw

IP/METRIC DATA: 1900SQS, 1" SLOT WIDTH, 1-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB					
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw						
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
8" Dia.	100	35	0.002	.003	0 - 1 - 4	-	0.51	16	0.5	0.7	0.2 - 0.3 - 1.3	12	-	-	-	-	-
	200	70	0.009	.011	2 - 4 - 8	-	1.02	33	2.2	2.8	0.6 - 1.3 - 2.5	26	22	11	-	-	-
	300	105	0.019	.025	4 - 6 - 10	-	1.52	49	4.8	6.2	1.3 - 1.9 - 3.0	34	31	23	-	-	-
	400	140	0.035	.045	6 - 8 - 11	15	2.03	66	8.6	11.1	1.7 - 2.5 - 3.5	39	38	31	16	-	-
	500	175	0.054	.070	7 - 9 - 13	21	2.54	82	13.5	17.3	2.1 - 2.7 - 3.9	44	43	37	24	13	-
	600	209	0.078	.100	8 - 10 - 14	27	3.05	99	19.4	25.0	2.5 - 3.0 - 4.3	47	47	42	30	20	13
	700	244	0.106	.137	9 - 11 - 15	31	3.56	115	26.4	34.0	2.7 - 3.2 - 4.6	50	51	47	35	27	18
	800	279	0.138	.178	9 - 11 - 16	36	4.06	132	34.5	44.4	2.8 - 3.5 - 4.9	53	54	50	40	32	21
	900	314	0.175	.226	10 - 12 - 17	39	4.57	148	43.6	56.2	3.0 - 3.7 - 5.2	55	57	54	44	37	24

IP/METRIC DATA: 1900SQS, 1" SLOT WIDTH, 2-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB					
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw						
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
8" Dia.	200	70	0.003	.005	1 - 2 - 6	-	1.02	33	0.7	1.3	0.2 - 0.5 - 1.8	15	-	-	-	-	-
	300	105	0.006	.012	2 - 4 - 9	-	1.52	49	1.5	2.9	0.5 - 1.1 - 2.7	23	20	11	-	-	-
	500	175	0.017	.032	4 - 7 - 13	-	2.54	82	4.1	8.0	1.3 - 2.2 - 3.9	33	32	26	12	-	-
	600	209	0.024	.046	6 - 9 - 14	14	3.05	99	6.0	11.5	1.8 - 2.7 - 4.3	37	36	31	19	-	-
	700	244	0.033	.063	7 - 10 - 15	19	3.56	115	8.1	15.7	2.1 - 3.1 - 4.6	40	40	35	24	15	-
	800	279	0.043	.082	8 - 11 - 16	23	4.06	132	10.6	20.5	2.4 - 3.5 - 4.9	43	43	39	29	21	11
	900	314	0.054	.104	9 - 12 - 17	27	4.57	148	13.4	26.0	2.7 - 3.7 - 5.2	45	46	42	33	26	15
	1000	349	0.066	.129	10 - 13 - 18	30	5.08	165	16.6	32.1	3.0 - 3.9 - 5.5	47	48	45	36	30	19
	1100	384	0.080	.156	11 - 13 - 19	33	5.59	181	20.0	38.8	3.3 - 4.1 - 5.8	49	51	48	40	34	22
10" Dia.	200	109	0.008	.011	2 - 4 - 9	-	1.02	51	2.0	2.6	0.5 - 1.2 - 2.8	26	17	11	-	-	-
	300	164	0.018	.024	4 - 7 - 12	-	1.52	77	4.5	5.9	1.2 - 2.1 - 3.8	34	27	22	-	-	-
	400	218	0.032	.042	6 - 9 - 14	14	2.03	103	8.0	10.5	1.9 - 2.8 - 4.3	40	34	30	18	-	-
	500	273	0.050	.066	8 - 11 - 16	21	2.54	129	12.5	16.4	2.3 - 3.4 - 4.9	44	39	37	25	16	-
	600	327	0.072	.095	9 - 12 - 17	26	3.05	154	18.0	23.6	2.8 - 3.8 - 5.3	48	44	42	32	23	14
	700	382	0.098	.129	11 - 13 - 19	31	3.56	180	24.5	32.1	3.3 - 4.1 - 5.7	51	47	46	37	30	19
	800	436	0.128	.168	12 - 14 - 20	35	4.06	206	32.0	41.9	3.5 - 4.3 - 6.1	53	50	50	42	35	23
	900	491	0.163	.213	12 - 15 - 21	39	4.57	232	40.5	53.0	3.8 - 4.6 - 6.5	56	53	53	46	40	27
	1000	545	0.201	.263	13 - 16 - 23	42	5.08	257	50.0	65.5	4.0 - 4.9 - 6.9	58	56	56	49	45	31

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Blades are in horizontal full flow position; see page E1-79 for blade orientation. See selection software for performance data not shown, including octave band data.

1900SQS Performance Data: Horizontal Throw

IP/METRIC DATA: 1900SQS, 1" SLOT WIDTH, 3-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB					
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw						
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7
8" Dia	200	70	0.000	.003	0 - 1 - 3	-	1.02	33	0.1	0.7	0.1 - 0.3 - 1.0	19	-	-	-	-	-
	300	105	0.001	.006	1 - 2 - 7	-	1.52	49	0.2	1.6	0.3 - 0.6 - 2.2	26	16	-	-	-	-
	500	175	0.002	.017	2 - 5 - 12	-	2.54	82	0.5	4.3	0.7 - 1.6 - 3.7	36	29	24	-	-	-
	600	209	0.003	.025	3 - 7 - 14	12	3.05	99	0.7	6.2	1.0 - 2.2 - 4.3	40	34	29	14	-	-
	700	244	0.004	.034	5 - 8 - 15	17	3.56	115	0.9	8.5	1.4 - 2.6 - 4.6	43	38	33	19	11	-
	800	279	0.005	.045	6 - 10 - 16	21	4.06	132	1.2	11.1	1.9 - 2.9 - 4.9	46	41	37	24	16	-
	900	314	0.006	.056	7 - 11 - 17	24	4.57	148	1.5	14.1	2.2 - 3.3 - 5.2	48	44	40	28	21	13
	1000	349	0.007	.070	8 - 12 - 18	28	5.08	165	1.8	17.4	2.4 - 3.7 - 5.5	50	47	43	32	26	16
10" Dia	1100	384	0.009	.084	9 - 13 - 19	31	5.59	181	2.2	21.0	2.7 - 4.0 - 5.8	52	49	46	36	30	18
	200	109	0.013	.016	1 - 2 - 8	-	1.02	51	3.2	3.9	0.3 - 0.6 - 2.3	25	16	-	-	-	-
	300	164	0.029	.035	2 - 5 - 11	-	1.52	77	7.3	8.7	0.6 - 1.4 - 3.4	33	26	22	-	-	-
	400	218	0.052	.062	4 - 8 - 14	13	2.03	103	13.0	15.5	1.1 - 2.3 - 4.3	39	33	30	14	-	-
	500	273	0.081	.097	6 - 9 - 16	20	2.54	129	20.3	24.1	1.8 - 2.9 - 4.9	43	39	36	23	15	-
	600	327	0.117	.140	8 - 11 - 17	25	3.05	154	29.2	34.8	2.3 - 3.4 - 5.3	47	44	41	29	23	15
	700	382	0.159	.190	9 - 13 - 19	30	3.56	180	39.7	47.3	2.7 - 4.0 - 5.7	50	48	45	35	29	20
	800	436	0.208	.248	10 - 14 - 20	34	4.06	206	51.9	61.8	3.1 - 4.3 - 6.1	52	51	49	39	35	24
12" Dia	900	491	0.264	.314	11 - 15 - 21	38	4.57	232	65.6	78.2	3.4 - 4.6 - 6.5	55	54	53	44	40	27
	1000	545	0.325	.388	13 - 16 - 23	41	5.08	257	81.0	96.6	3.8 - 4.9 - 6.9	57	57	56	47	44	30
	100	79	0.007	.008	0 - 1 - 4	-	0.51	37	1.8	1.9	0.1 - 0.3 - 1.3	17	-	-	-	-	-
	175	137	0.022	.024	1 - 3 - 9	-	0.89	65	5.4	5.9	0.4 - 1.0 - 2.9	28	20	16	-	-	-
	250	196	0.045	.049	3 - 7 - 14	-	1.27	93	11.1	12.1	0.9 - 2.1 - 4.1	35	29	26	-	-	-
	325	255	0.075	.082	5 - 9 - 15	18	1.65	120	18.8	20.4	1.5 - 2.7 - 4.7	40	36	34	20	12	-
	400	314	0.114	.124	7 - 11 - 17	24	2.03	148	28.5	30.9	2.2 - 3.3 - 5.2	44	41	40	27	20	15
	475	373	0.161	.175	9 - 13 - 19	29	2.41	176	40.1	43.6	2.6 - 3.9 - 5.7	48	45	45	33	28	20
	550	432	0.216	.235	10 - 14 - 20	34	2.79	204	53.8	58.5	3.0 - 4.3 - 6.1	51	49	49	39	34	24
	625	491	0.279	.303	11 - 15 - 21	38	3.18	232	69.5	75.5	3.4 - 4.6 - 6.5	53	52	52	43	39	28
	700	550	0.350	.381	13 - 16 - 23	41	3.56	259	87.2	94.8	3.8 - 4.9 - 6.9	55	55	56	47	44	32

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Blades are in horizontal full flow position; see page E1-79 for blade orientation. See selection software for performance data not shown, including octave band data.

1900SQS Performance Data: Horizontal Throw

IP/METRIC DATA: 1900SQS, 1" SLOT WIDTH, 4-SLOT, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data											
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
8" Dia	200	70	0.002	.004	0 - 1 - 2	-	1.02	33	0.4	1.1	0.1 - 0.2 - 0.7	14	-	-	-	-	-	
	300	105	0.004	.010	1 - 1 - 5	-	1.52	49	1.0	2.4	0.2 - 0.4 - 1.5	22	14	-	-	-	-	
	500	175	0.011	.027	2 - 3 - 10	-	2.54	82	2.7	6.6	0.5 - 1.1 - 3.2	33	27	23	-	-	-	
	600	209	0.016	.038	2 - 5 - 13	11	3.05	99	3.9	9.5	0.7 - 1.5 - 3.8	37	32	28	13	-	-	
	700	244	0.022	.052	3 - 7 - 15	15	3.56	115	5.4	13.0	0.9 - 2.1 - 4.4	40	36	32	18	12	-	
	800	279	0.028	.068	4 - 8 - 16	19	4.06	132	7.0	16.9	1.2 - 2.5 - 4.9	43	39	36	23	17	-	
	900	314	0.036	.086	5 - 9 - 17	23	4.57	148	8.9	21.4	1.5 - 2.9 - 5.2	45	42	39	27	22	13	
	1000	349	0.044	.106	6 - 10 - 18	26	5.08	165	10.9	26.5	1.9 - 3.2 - 5.5	47	45	42	31	26	17	
	1100	384	0.053	.129	7 - 11 - 19	29	5.59	181	13.2	32.0	2.3 - 3.5 - 5.8	49	47	45	34	30	20	
10" Dia	200	109	0.005	.008	1 - 1 - 5	-	1.02	51	1.2	1.9	0.2 - 0.4 - 1.7	20	-	-	-	-	-	
	300	164	0.011	.017	1 - 3 - 10	-	1.52	77	2.8	4.2	0.4 - 0.9 - 3.0	29	20	17	-	-	-	
	500	273	0.031	.047	4 - 8 - 16	14	2.54	129	7.8	11.7	1.1 - 2.5 - 4.9	40	33	31	16	-	-	
	600	327	0.045	.067	5 - 10 - 17	20	3.05	154	11.2	16.8	1.7 - 3.0 - 5.3	43	38	36	22	16	-	
	700	382	0.061	.092	7 - 11 - 19	25	3.56	180	15.3	22.9	2.3 - 3.5 - 5.7	47	42	40	28	22	12	
	800	436	0.080	.120	9 - 13 - 20	29	4.06	206	19.9	29.9	2.6 - 4.0 - 6.1	49	45	44	33	28	17	
	900	491	0.101	.152	10 - 15 - 21	33	4.57	232	25.2	37.8	3.0 - 4.5 - 6.5	52	48	47	37	32	20	
	1000	545	0.125	.187	11 - 16 - 23	36	5.08	257	31.2	46.7	3.3 - 4.9 - 6.9	54	51	50	40	36	24	
	1100	600	0.151	.227	12 - 17 - 24	39	5.59	283	37.7	56.5	3.6 - 5.1 - 7.2	56	53	53	44	40	27	
12" Dia	200	157	0.009	.011	1 - 3 - 9	-	1.02	74	2.2	2.9	0.4 - 0.9 - 2.9	26	15	13	-	-	-	
	250	196	0.014	.018	2 - 4 - 12	-	1.27	93	3.5	4.5	0.6 - 1.3 - 3.6	30	21	19	-	-	-	
	300	236	0.020	.026	3 - 6 - 14	-	1.52	111	5.0	6.4	0.9 - 1.9 - 4.3	34	25	24	-	-	-	
	400	314	0.036	.046	5 - 9 - 17	15	2.03	148	8.9	11.4	1.5 - 2.9 - 5.2	40	33	32	16	-	-	
	500	393	0.056	.072	8 - 12 - 19	22	2.54	185	14.0	17.8	2.4 - 3.6 - 5.8	45	38	38	23	17	-	
	600	471	0.081	.103	9 - 14 - 21	28	3.05	222	20.1	25.7	2.9 - 4.3 - 6.4	49	43	43	30	25	13	
	700	550	0.110	.140	11 - 16 - 23	33	3.56	259	27.4	35.0	3.3 - 4.9 - 6.9	52	47	47	35	31	18	
	800	628	0.144	.183	13 - 17 - 24	37	4.06	297	35.7	45.7	3.8 - 5.2 - 7.4	55	50	51	40	36	23	
	900	707	0.182	.232	14 - 18 - 26	41	4.57	334	45.2	57.8	4.3 - 5.5 - 7.8	57	53	54	44	41	26	
14" Dia	100	107	0.003	.004	1 - 1 - 5	-	0.51	50	0.9	1.0	0.2 - 0.4 - 1.6	16	-	-	-	-	-	
	175	187	0.010	.012	2 - 4 - 11	-	0.89	88	2.6	3.1	0.5 - 1.2 - 3.4	27	16	15	-	-	-	
	250	267	0.021	.025	4 - 8 - 16	-	1.27	126	5.3	6.3	1.1 - 2.4 - 4.8	35	25	25	-	-	-	
	325	347	0.036	.043	6 - 10 - 18	16	1.65	164	9.0	10.6	1.9 - 3.2 - 5.5	40	32	32	15	-	-	
	400	428	0.055	.065	9 - 13 - 20	22	2.03	202	13.6	16.1	2.6 - 3.9 - 6.1	45	37	38	22	16	-	
	475	508	0.077	.091	10 - 15 - 22	27	2.41	240	19.2	22.7	3.1 - 4.6 - 6.6	48	41	43	28	23	11	
	550	588	0.103	.122	12 - 17 - 23	32	2.79	277	25.7	30.4	3.6 - 5.0 - 7.1	52	45	47	33	28	16	
	625	668	0.133	.158	13 - 18 - 25	36	3.18	315	33.2	39.3	4.0 - 5.4 - 7.6	54	48	50	38	34	20	
	700	748	0.167	.198	15 - 19 - 26	39	3.56	353										

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Blades are in horizontal full flow position; see page E1-79 for blade orientation. See selection software for performance data not shown, including octave band data.