

SHRPLQ Performance Data: 3 Slots, Horizontal Throw

IP/METRIC DATA: SHRPLQ, 24"x24" PANEL, 3 SLOTS (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	Throw		Neck Vel	Air Flow	Ps	Pt	Throw	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m							
8" Dia.	500	175	0.014	.029	2 - 3 - 7	-	2.54	82	3.4	7.3	0.5 - 1.0 - 2.1	40	40	36	26	20	-	
	683	238	0.026	.055	3 - 5 - 9	15	3.47	113	6.4	13.7	0.9 - 1.4 - 2.8	46	47	44	35	32	18	
	867	302	0.042	.088	4 - 6 - 12	21	4.40	143	10.3	22.0	1.2 - 1.8 - 3.6	51	52	50	42	40	28	
	1050	366	0.061	.130	5 - 7 - 14	26	5.33	173	15.2	32.3	1.5 - 2.2 - 4.4	55	56	54	48	47	37	
	1233	430	0.084	.179	6 - 8 - 17	31	6.27	203	20.9	44.5	1.7 - 2.6 - 5.1	59	60	58	52	52	44	
	1417	494	0.111	.236	6 - 10 - 19	34	7.20	233	27.6	58.8	2.0 - 3.0 - 5.9	62	63	62	56	57	50	
	1600	558	0.141	.301	7 - 11 - 22	37	8.13	264	35.2	75.0	2.2 - 3.3 - 6.6	64	66	65	60	61	55	
10" Dia.	400	218	0.012	.022	2 - 4 - 9	-	2.03	103	3.0	5.4	0.7 - 1.3 - 2.6	40	39	36	24	19	-	
	583	318	0.025	.047	4 - 6 - 12	16	2.96	150	6.3	11.6	1.3 - 1.9 - 3.8	48	47	45	36	33	19	
	767	418	0.044	.080	5 - 8 - 16	24	3.89	197	10.9	20.0	1.7 - 2.5 - 5.0	54	53	52	44	42	31	
	950	518	0.067	.123	7 - 10 - 20	29	4.83	245	16.7	30.7	2.1 - 3.1 - 6.2	58	58	57	50	50	41	
	1133	618	0.095	.176	8 - 12 - 23	34	5.76	292	23.8	43.7	2.5 - 3.7 - 6.9	62	62	61	55	56	48	
	1317	718	0.129	.237	9 - 14 - 25	38	6.69	339	32.1	59.0	2.9 - 4.3 - 7.5	65	65	65	60	61	55	
	1500	818	0.167	.307	11 - 16 - 26	41	7.62	386	41.6	76.6	3.3 - 4.9 - 8.0	68	68	68	64	66	61	
12" Dia.	300	236	0.008	.014	3 - 5 - 9	-	1.52	111	2.1	3.5	0.9 - 1.4 - 2.8	38	36	33	20	15	-	
	450	353	0.019	.031	5 - 7 - 14	14	2.29	167	4.6	7.8	1.4 - 2.1 - 4.2	47	45	43	32	29	14	
	600	471	0.033	.056	6 - 9 - 19	22	3.05	222	8.3	13.8	1.9 - 2.8 - 5.6	53	51	50	41	39	27	
	750	589	0.052	.087	8 - 12 - 22	28	3.81	278	12.9	21.6	2.3 - 3.5 - 6.8	57	56	55	47	47	37	
	900	707	0.075	.125	9 - 14 - 24	32	4.57	334	18.6	31.2	2.8 - 4.2 - 7.4	61	60	60	53	54	45	
	1050	825	0.102	.170	11 - 16 - 26	36	5.33	389	25.3	42.4	3.3 - 4.9 - 8.0	64	63	63	57	59	52	
	1200	942	0.133	.222	12 - 19 - 28	40	6.10	445	33.0	55.4	3.7 - 5.6 - 8.6	67	66	67	61	64	57	
14" Dia.	200	214	0.004	.007	2 - 4 - 8	-	1.02	101	1.1	1.7	0.7 - 1.3 - 2.6	33	30	27	12	-	-	
	350	374	0.013	.021	5 - 7 - 15	11	1.78	177	3.3	5.2	1.5 - 2.2 - 4.5	45	42	40	28	25	-	
	500	535	0.027	.043	7 - 10 - 21	21	2.54	252	6.8	10.7	2.1 - 3.2 - 6.4	52	50	49	39	38	25	
	650	695	0.046	.072	9 - 14 - 24	28	3.30	328	11.5	18.0	2.8 - 4.1 - 7.4	58	55	55	47	47	36	
	800	855	0.070	.110	11 - 17 - 27	33	4.06	404	17.4	27.3	3.4 - 5.1 - 8.2	62	60	60	53	54	45	
	950	1016	0.098	.155	13 - 20 - 29	38	4.83	479	24.5	38.5	4.0 - 6.1 - 8.9	66	64	65	58	60	53	
	1100	1176	0.132	.207	15 - 22 - 32	42	5.59	555	32.9	51.6	4.7 - 6.8 - 9.6	69	67	68	63	65	59	

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). 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. See Krueger's selection software for performance data not shown, including octave band data.