

**SHRPLQ Performance Data: 1 Slot, Horizontal Throw**

IP/METRIC DATA: SHRPLQ, 24"x24" PANEL, 1 SLOT (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								
<b>6" Dia.</b>	200	39	0.003	.006	0 - 1 - 3	-	1.02	19	0.8	1.4	0.1 - 0.3 - 0.8	14	15	-	-	-			
	383	75	0.011	.021	2 - 3 - 5	-	1.95	35	2.8	5.1	0.5 - 0.8 - 1.6	28	29	24	11	-			
	567	111	0.025	.045	3 - 4 - 8	<b>17</b>	2.88	52	6.2	11.2	0.8 - 1.1 - 2.3	36	38	33	22	16			
	750	147	0.044	.079	3 - 5 - 10	<b>24</b>	3.81	69	10.9	19.6	1.0 - 1.5 - 3.0	42	44	40	31	26			
	933	183	0.068	.122	4 - 6 - 12	<b>30</b>	4.74	86	16.9	30.4	1.3 - 1.9 - 3.8	46	49	45	37	34			
	1117	219	0.097	.175	5 - 7 - 14	<b>35</b>	5.67	103	24.2	43.5	1.5 - 2.3 - 4.1	50	53	49	42	40			
	1300	255	0.132	.237	6 - 9 - 15	<b>39</b>	6.60	120	32.7	59.0	1.8 - 2.6 - 4.5	53	56	53	47	45			
<b>8" Dia.</b>	200	70	0.004	.007	1 - 2 - 5	-	1.02	33	1.1	1.7	0.4 - 0.7 - 1.4	21	20	14	-	-			
	333	116	0.012	.019	3 - 4 - 8	-	1.69	55	3.0	4.7	0.8 - 1.2 - 2.4	32	31	27	13	-			
	467	163	0.023	.037	4 - 6 - 11	<b>19</b>	2.37	77	5.8	9.2	1.1 - 1.7 - 3.4	39	39	35	23	18			
	600	209	0.039	.061	5 - 7 - 13	<b>25</b>	3.05	99	9.7	15.3	1.4 - 2.2 - 4.0	44	44	41	31	27			
	733	256	0.058	.092	6 - 9 - 15	<b>31</b>	3.73	121	14.4	22.8	1.8 - 2.6 - 4.5	48	48	46	37	34			
	867	303	0.081	.128	7 - 10 - 16	<b>35</b>	4.40	143	20.2	31.8	2.1 - 3.1 - 4.9	51	52	50	42	40			
	1000	349	0.108	.170	8 - 12 - 17	<b>39</b>	5.08	165	26.9	42.4	2.4 - 3.6 - 5.2	54	55	53	46	45			
<b>10" Dia.</b>	100	55	0.001	.002	1 - 2 - 4	-	0.51	26	0.3	0.5	0.2 - 0.5 - 1.1	12	-	-	-	-			
	225	123	0.007	.010	3 - 4 - 8	-	1.14	58	1.7	2.5	0.8 - 1.3 - 2.5	28	26	22	-	-			
	350	191	0.017	.024	4 - 6 - 13	<b>17</b>	1.78	90	4.1	6.0	1.3 - 2.0 - 3.9	38	36	33	20	15			
	475	259	0.031	.045	6 - 9 - 15	<b>25</b>	2.41	122	7.6	11.1	1.8 - 2.7 - 4.5	44	43	40	29	26			
	600	327	0.049	.071	7 - 11 - 17	<b>31</b>	3.05	154	12.1	17.7	2.3 - 3.4 - 5.1	49	48	46	36	34			
	725	395	0.071	.104	9 - 13 - 18	<b>36</b>	3.68	187	17.7	25.9	2.7 - 3.9 - 5.6	53	52	50	42	40			
	850	464	0.098	.143	11 - 14 - 20	<b>40</b>	4.32	219	24.4	35.6	3.2 - 4.3 - 6.0	56	56	54	47	46			

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<sup>-12</sup> 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.

LOUVERED FACE DIFFUSERS

S H R P L Q