

7000 Performance Data: Horizontal Throw

IP DATA: 7000

Neck Dim	Neck Vel	Total Pres	Static Pres	Air Flow	NC	Horizontal Throw
in.	FPM	"WG	"WG	CFM		ft
16" Dia. Neck	200	0.011	0.009	279	-	0 - 1 - 5
	400	0.046	0.036	558	13	1 - 5 - 12
	600	0.103	0.080	837	21	1 - 9 - 16
	800	0.182	0.143	1116	27	2 - 12 - 19
24" x 48" Face	1000	0.285	0.223	1395	31	2 - 15 - 21
	1200	0.410	0.321	1674	35	3 - 16 - 23
	1400	0.559	0.436	1953	38	3 - 17 - 25
	200	0.012	0.009	353	-	0 - 1 - 6
18" Dia. Neck	400	0.047	0.037	706	14	1 - 6 - 14
	600	0.106	0.084	1059	23	1 - 10 - 18
	800	0.189	0.149	1413	28	2 - 14 - 21
	1000	0.295	0.232	1766	33	2 - 17 - 23
24" x 48" Face	1200	0.425	0.335	2119	37	3 - 18 - 26
	1400	0.578	0.456	2472	40	3 - 20 - 28
	200	0.014	0.011	700	-	1 - 2 - 8
	18" x 28" Neck	300	0.031	0.025	1050	14
400		0.055	0.045	1400	20	1 - 8 - 19
550		0.103	0.084	1925	27	2 - 13 - 24
36" x 48" Face	700	0.167	0.136	2450	31	2 - 17 - 28
	900	0.276	0.225	3150	36	3 - 22 - 31
	1100	0.412	0.337	3850	41	4 - 24 - 34
	200	0.015	0.012	900	-	1 - 2 - 9
18" x 36" Neck	300	0.033	0.027	1350	16	1 - 5 - 16
	400	0.059	0.049	1800	22	2 - 9 - 22
	550	0.111	0.092	2475	29	2 - 15 - 28
48" x 48" Face	700	0.180	0.149	3150	33	3 - 19 - 31
	900	0.297	0.247	4050	39	4 - 25 - 35
	1100	0.444	0.369	4950	43	4 - 28 - 39
	100	0.005	0.004	800	-	1 - 1 - 3
24" x 48" Neck	200	0.018	0.016	1600	13	1 - 3 - 12
	300	0.041	0.036	2400	21	2 - 7 - 22
	500	0.115	0.099	4000	31	3 - 18 - 35
60" x 60" Face	600	0.165	0.143	4800	35	3 - 22 - 39
	700	0.225	0.195	5600	38	4 - 25 - 42
	900	0.372	0.322	7200	43	5 - 33 - 47
	100	0.005	0.004	938	-	1 - 1 - 3
24" x 54" Neck	200	0.020	0.017	1875	14	1 - 3 - 14
	300	0.045	0.039	2813	22	2 - 8 - 24
	500	0.124	0.108	4688	33	3 - 20 - 38
60" x 60" Face	600	0.178	0.156	5625	36	3 - 24 - 42
	700	0.243	0.212	6563	39	4 - 28 - 45
	900	0.402	0.351	8438	45	5 - 35 - 51

METRIC DATA: 7000

Neck Dim	Neck Vel	Total Pres	Static Pres	Total Flow	NC	Horizontal Throw
mm	m/s	Pa	Pa	L/s		m
406 Dia. Neck	1.02	2.8	2.2	132	-	0.1 - 0.4 - 1.6
	2.03	11.4	8.9	263	13	0.3 - 1.6 - 3.7
	3.05	25.6	20.0	395	21	0.4 - 2.8 - 4.9
	4.06	45.4	35.5	527	27	0.5 - 3.7 - 5.6
	5.08	71.0	55.4	658	31	0.7 - 4.5 - 6.3
	6.10	102.2	79.8	790	35	0.8 - 4.9 - 6.9
610 x 1220 Face	7.11	139.1	108.7	922	38	0.9 - 5.3 - 7.5
	1.02	2.9	2.3	167	-	0.1 - 0.4 - 1.8
	2.03	11.7	9.3	333	14	0.3 - 1.8 - 4.2
	3.05	26.4	20.8	500	23	0.4 - 3.1 - 5.5
	4.06	47.0	37.0	667	28	0.6 - 4.2 - 6.3
	5.08	73.4	57.9	833	33	0.7 - 5.0 - 7.1
610 x 1220 Face	6.10	105.7	83.4	1000	37	0.9 - 5.5 - 7.8
	7.11	143.9	113.5	1167	40	1.0 - 5.9 - 8.4
	1.02	3.4	2.8	330	-	0.2 - 0.6 - 2.5
	1.52	7.6	6.2	496	14	0.3 - 1.4 - 4.4
	2.03	13.6	11.1	661	20	0.4 - 2.5 - 5.9
	2.79	25.7	21.0	908	27	0.6 - 4.0 - 7.4
914 x 1220 Face	3.56	41.6	33.9	1156	31	0.7 - 5.1 - 8.4
	4.57	68.7	56.1	1487	36	0.9 - 6.6 - 9.5
	5.59	102.6	83.8	1817	41	1.2 - 7.4 - 10.5
	1.02	3.7	3.0	425	-	0.2 - 0.7 - 2.8
	1.52	8.2	6.8	637	16	0.4 - 1.6 - 5.0
	2.03	14.6	12.1	850	22	0.5 - 2.8 - 6.6
457 x 914 Neck	2.79	27.6	22.9	1168	29	0.7 - 4.6 - 8.4
	3.56	44.8	37.2	1487	33	0.8 - 5.8 - 9.5
	4.57	74.0	61.4	1911	39	1.1 - 7.5 - 10.8
	5.59	110.6	91.8	2336	43	1.3 - 8.4 - 11.9
	0.51	1.1	1.0	378	-	0.2 - 0.2 - 0.9
	1.02	4.6	4.0	755	13	0.3 - 0.9 - 3.8
610 x 1220 Neck	1.52	10.3	8.9	1133	21	0.5 - 2.1 - 6.6
	2.54	28.6	24.7	1888	31	0.8 - 5.5 - 10.7
	3.05	41.2	35.6	2265	35	0.9 - 6.6 - 11.7
	3.56	56.1	48.4	2643	38	1.1 - 7.7 - 12.6
	4.57	92.7	80.1	3398	43	1.4 - 10.0 - 14.3
	0.51	1.2	1.1	442	-	0.2 - 0.3 - 1.0
610 x 1372 Neck	1.02	4.9	4.3	885	14	0.3 - 1.0 - 4.1
	1.52	11.1	9.7	1327	22	0.5 - 2.3 - 7.2
	2.54	30.9	27.0	2212	33	0.9 - 6.0 - 11.6
	3.05	44.4	38.8	2655	36	1.0 - 7.2 - 12.7
1524 x 1524 Face	3.56	60.5	52.9	3097	39	1.2 - 8.4 - 13.7
	4.57	100.0	87.4	3982	45	1.5 - 10.8 - 15.5

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 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

7000

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