



Round Grille Performance Data (Metric)

Model: **RHV**

SIZE	Neck Velocity (m/s)		1.52			2.03			2.54			3.05			3.56			4.06			5.08			6.10			7.11		
	Velocity Pressure (mmAq)		0.15			0.25			0.41			0.56			0.79			1.02			1.57			2.29			3.10		
	Deflection		0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°
6	Neck Area sq.m 0.0182	CMH	102			136			170			204			238			272			340			408			476		
		Pa	0.36	0.84	1.02	0.64	1.42	1.78	1.02	2.29	2.79	1.52	2.79	4.32	2.79	3.81	6.10	3.43	4.57	7.62	4.57	6.86	11.18	7.11	10.92	17.53	10.16	15.49	18.29
		NC	-	-	-	-	-	-	-	-	22	-	20	20	-	23	26	20	28	35	24	34	40	32	40	47	37	43	
		Throw(m)	4.0	4.0	3.0	6.1	4.9	4.0	7.6	6.1	4.6	9.8	7.9	6.1	12.2	10.7	7.6	13.1	11.3	8.5	16.8	13.7	10.7	18.3	16.8	13.7	24.4	21.3	16.8
8	Neck Area sq.m 0.0324	CMH	187			238			306			357			425			476			595			714			-		
		Pa	0.36	0.74	0.76	0.66	1.24	1.42	0.94	1.65	3.96	1.22	2.08	2.16	1.91	3.18	3.81	2.79	4.45	5.59	3.89	5.84	7.37	6.48	10.67	11.94			
		NC	-	-	-	-	18	19	-	18	25	15	18	20	20	21	25	22	26	30	25	32	33	33	40	42			
		Throw(m)	0.1	5.2	3.7	8.2	6.7	5.5	9.4	7.9	6.1	10.7	9.1	6.7	10.7	8.2	6.7	16.8	13.7	10.1	18.3	15.5	11.9	24.4	18.3	15.2			
10	Neck Area sq.m 0.0506	CMH	289			374			476			561			663			748			934			1121			-		
		Pa	0.28	0.61	0.66	0.41	0.89	1.09	0.56	1.14	1.50	0.91	1.73	2.24	1.57	2.67	3.61	1.22	3.03	5.84	3.81	3.94	6.48	4.70	7.24	10.67			
		NC	-	-	-	-	-	-	-	15	19	-	20	21	20	22	25	15	21	37	25	25	33	26	33	40			
		Throw(m)	7.6	6.4	5.2	10.1	7.9	6.4	18.0	15.8	10.7	16.8	13.7	9.8	18.6	13.7	12.2	18.3	15.2	12.2	22.9	17.4	14.3	27.4	21.3	16.8			
12	Neck Area sq.m 0.0729	CMH	408			544			680			816			934			1070			1342			1614			1869		
		Pa	0.25	0.48	0.43	0.38	0.79	0.94	0.30	0.64	0.81	1.91	2.29	3.56	2.16	2.59	3.05	0.25	4.95	8.13	2.49	4.24	5.33	3.86	5.33	9.56	4.19	7.11	11.68
		NC	-	-	-	-	-	-	-	-	20	-	-	24	-	20	27	18	22	30	22	32	41	31	38	46	35	48	50
		Throw(m)	8.2	6.7	5.2	12.2	9.8	7.6	13.7	9.8	8.2	15.8	12.8	10.7	18.3	13.4	12.2	22.9	16.8	13.7	27.4	24.4	18.3	30.5	24.4	80.0	32.0	32.0	27.4
14	Neck Area sq.m 0.0993	CMH	561			731			917			1104			1274			1461			1818			2192			2549		
		Pa	0.25	0.51	0.76	0.51	0.76	1.27	0.51	1.02	1.78	1.02	1.27	2.29	1.27	1.78	3.05	1.52	2.54	4.57	2.03	3.05	5.59	2.79	4.32	7.62	4.57	6.60	11.94
		NC	-	-	-	-	-	15	-	-	21	-	15	23	15	21	21	16	29	34	24	30	41	29	34	33	37	45	48
		Throw(m)	9.1	7.6	6.1	12.2	9.8	7.6	16.8	13.7	9.1	19.8	15.8	11.3	22.9	17.4	13.7	24.7	19.8	15.5	31.1	25.6	18.3	32.3	28.0	22.9	33.5	30.5	27.4
16	Neck Area sq.m 0.1297	CMH	714			951			1189			1427			1665			1903			2379			2854			3330		
		Pa	0.25	0.76	1.27	0.51	1.02	1.78	1.02	1.78	3.05	1.27	1.52	3.30	1.52	2.03	3.56	1.27	2.03	4.06	2.03	3.30	4.32	2.79	5.33	8.89	4.32	6.86	10.16
		NC	-	-	-	-	-	21	-	-	21	-	15	23	-	21	32	19	27	34	24	33	43	32	41	48	37	45	48
		Throw(m)	7.6	7.6	6.1	12.5	9.8	7.9	18.3	14.0	10.4	22.3	16.8	12.5	24.4	19.8	15.2	27.4	25.0	19.8	32.0	30.5	24.4	36.6	33.5	30.5	30.5	25.0	18.3
20	Neck Area sq.m 0.2027	CMH	1121			1495			1869			2226			2600			2973			3721			4451			5199		
		Pa	-	0.25	0.76	0.25	0.76	1.27	0.51	1.27	2.03	0.51	1.78	2.79	0.76	2.29	3.56	1.02	3.05	5.08	1.78	5.08	8.38	2.54	6.86	11.18	3.56	9.40	15.24
		NC	-	20	-	-	-	-	-	-	22	-	-	29	-	23	34	19	27	39	26	35	47	32	40	52	38	47	59
		Throw(m)	11.3	9.8	6.7	15.2	12.2	9.1	20.4	17.1	11.9	24.4	20.1	14.0	28.7	23.5	16.5	33.2	26.8	18.6	42.4	33.5	23.2	52.4	39.9	27.1	61.3	46.6	31.1
24	Neck Area sq.m 0.2919	CMH	1614			2141			2684			3211			3738			4282			5352			6422			7476		
		Pa	-	0.51	1.02	-	1.02	1.52	0.25	1.27	2.29	0.51	2.03	3.30	0.76	2.54	4.32	0.76	3.30	5.59	1.52	5.08	8.64	2.29	7.37	12.70	2.79	9.65	16.26
		NC	-	-	-	-	-	-	-	-	25	-	-	31	-	21	32	20	26	41	23	34	49	29	41	50	34	46	60
		Throw(m)	12.8	11.6	7.9	18.0	15.2	10.4	23.5	19.2	13.1	28.7	23.2	15.8	32.6	26.2	18.3	36.3	29.6	20.7	44.5	36.0	25.9	56.7	43.3	32.6	65.5	54.9	38.7

THE THROW VALUES ARE BASED ON A 0.254 METER PER SECOND TERMINAL VELOCITY.
 DASHED LINE IN Pa BOX INDICATES STATIC PRESSURE IS LESS THAN 0.254mmAq.
 DASHED LINE IN NC BOX INDICATES NOISE LEVEL IS LESS THAN 20.
 NC LEVEL IS BASED ON 10dB ROOM ATTENUATION(PWL RE:10-12 WATTS) WITH ONE DIFFUSER OPERATING.

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