

HCF

High Capacity Flush Face Diffuser

PERFORMANCE DATA

Air Pattern	Unit Size (mm)	Inlet Size (mm)	Air Flow (L/s)	Static Pressure (Pa)	Total Pressure (Pa)	Sound (NC)	Throw (m) 0.51 - 0.38 - 0.25 m/s					
							Vertical			Horizontal		
							-3°C	-6°C	-8°C	-3°C	-6°C	-8°C
1-Way Pattern	600 x 600	203	94	2	7	-	0.0 - 0.3 - 0.9	0.3 - 0.6 - 0.9	0.6 - 0.6 - 1.2	0.3 - 0.6 - 0.6	0.3 - 0.6 - 0.6	0.3 - 0.6 - 0.6
			142	5	17	26	0.3 - 0.6 - 0.9	0.6 - 0.9 - 1.2	0.6 - 1.2 - 1.5	0.6 - 0.9 - 0.9	0.6 - 0.9 - 0.9	0.6 - 0.9 - 0.9
			189	10	30	35	0.6 - 0.9 - 1.2	0.6 - 1.2 - 1.5	0.9 - 1.5 - 1.5	0.9 - 0.9 - 1.2	0.9 - 0.9 - 1.2	0.9 - 1.2 - 0.9
			236	15	47	42	0.6 - 1.2 - 1.2	0.9 - 1.5 - 1.5	0.9 - 1.5 - 1.8	0.9 - 1.2 - 1.2	0.9 - 1.2 - 1.2	0.9 - 1.2 - 1.2
		254	189	4	12	23	0.6 - 0.9 - 1.8	0.9 - 1.2 - 2.1	0.9 - 1.5 - 2.1	0.9 - 1.2 - 1.8	0.9 - 1.2 - 1.8	1.2 - 1.5 - 1.8
			236	6	19	30	0.9 - 1.2 - 2.1	0.9 - 1.5 - 2.1	1.2 - 1.8 - 2.4	1.2 - 1.5 - 2.1	1.2 - 1.5 - 1.8	1.2 - 1.5 - 1.8
	600 x 1200	254	189	4	13	20	1.8 - 2.1 - 2.4	1.8 - 2.4 - 2.4	1.8 - 2.4 - 2.4	1.2 - 1.8 - 1.8	1.2 - 1.8 - 1.8	1.2 - 1.8 - 1.8
			236	7	20	27	2.1 - 2.4 - 2.4	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	1.5 - 1.8 - 2.1	1.5 - 1.8 - 2.1	1.5 - 1.8 - 2.1
			283	10	29	33	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	1.5 - 2.1 - 2.1	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4
			330	14	40	37	2.1 - 2.4 - 2.7	2.4 - 2.4 - 2.7	2.4 - 2.7 - 2.7	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4
		300	283	5	14	23	1.8 - 2.4 - 2.7	1.8 - 2.4 - 2.7	2.1 - 2.4 - 2.7	0.6 - 1.2 - 1.2	0.9 - 1.2 - 1.2	0.9 - 1.2 - 1.2
			330	7	19	28	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.5
2-Way Pattern	600 x 600	203	94	2	7	-	0.0 - 0.0 - 0.6	0.0 - 0.0 - 0.6	0.0 - 0.0 - 0.6	0.3 - 0.3 - 0.6	0.3 - 0.3 - 0.3	0.3 - 0.3 - 0.3
			142	5	17	25	0.3 - 0.6 - 0.9	0.3 - 0.6 - 0.9	0.3 - 0.6 - 0.9	0.6 - 0.6 - 0.9	0.6 - 0.6 - 0.6	0.6 - 0.6 - 0.6
			189	10	30	35	0.6 - 0.9 - 1.2	0.6 - 0.9 - 1.2	0.6 - 0.9 - 1.2	0.9 - 0.9 - 0.9	0.9 - 0.9 - 0.9	0.6 - 0.9 - 0.9
			236	15	47	43	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.2	0.9 - 1.2 - 1.2	0.9 - 0.9 - 0.9
		254	189	4	12	22	1.2 - 1.5 - 1.8	1.2 - 1.5 - 1.8	1.2 - 1.5 - 1.8	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.5	0.9 - 1.2 - 1.2
			236	6	19	30	1.5 - 1.8 - 2.1	1.5 - 1.8 - 2.1	1.5 - 1.8 - 2.1	1.2 - 1.5 - 1.5	1.2 - 1.5 - 1.5	1.2 - 1.2 - 1.5
	600 x 1200	254	189	4	13	22	1.5 - 2.1 - 2.1	1.5 - 2.1 - 2.4	1.5 - 2.1 - 2.4	1.5 - 2.1 - 2.1	0.9 - 0.9 - 1.2	0.6 - 0.9 - 1.2
			236	7	20	29	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4	1.8 - 2.4 - 2.4	1.8 - 2.1 - 2.4	1.2 - 1.5 - 1.8	0.9 - 1.2 - 1.5
			283	10	29	35	1.8 - 2.4 - 2.4	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	1.8 - 2.4 - 2.4	1.5 - 1.8 - 2.1	1.2 - 1.5 - 1.8
			330	14	40	41	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	2.4 - 2.7 - 2.7	2.1 - 2.4 - 2.7	1.5 - 1.8 - 2.4	1.5 - 1.8 - 2.1
		300	283	5	14	25	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4	0.9 - 1.2 - 1.2	0.9 - 0.9 - 1.2
			330	7	19	30	1.8 - 2.1 - 2.4	1.8 - 2.1 - 2.4	2.1 - 2.4 - 2.7	1.8 - 2.1 - 2.4	1.2 - 1.5 - 1.5	0.9 - 1.2 - 1.5
600 x 1200	300	378	9	25	35	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	1.2 - 1.5 - 1.8	1.2 - 1.5 - 1.5	
		425	11	32	39	2.1 - 2.4 - 2.7	2.1 - 2.4 - 2.7	2.4 - 2.4 - 2.7	2.1 - 2.4 - 2.7	1.5 - 1.8 - 2.1	1.5 - 1.8 - 1.8	
		472	14	39	42	2.1 - 2.4 - 2.7	2.4 - 2.4 - 2.7	2.4 - 2.7 - 2.7	2.1 - 2.4 - 2.7	1.5 - 2.1 - 2.1	1.5 - 1.8 - 1.8	
		472	14	39	42	2.1 - 2.4 - 2.7	2.4 - 2.4 - 2.7	2.4 - 2.7 - 2.7	2.1 - 2.4 - 2.7	1.5 - 2.1 - 2.1	1.5 - 1.8 - 1.8	

Performance Notes:

1. Units are tested in accordance with ASHRAE Standard 70-2006.
2. Airflow is in Liters per second, L/s
3. All pressures are in Pascals, Pa.
4. The NC values, sound pressure levels, are based on a room absorption of 10dB re 10⁻¹² watts and one diffuser.
5. Blanks " - " indicate an NC less than 20.
6. Throws given in meters (m) to terminal velocities of .76 m/s (minimum), .51 m/s (middle), and .25 m/s (maximum).
7. Throw values are based on supply air temperature differentials listed at the top of the table.