

SPACE AIR DIFFUSION

Reference airflow rate per outlet, ft³/min

Space	Type of outlet	Outlet height above floor, ft	Space airflow rate, ft ³ /min	Number of outlets	Space area, ft ²	Jet horizontal projection, ft	Jet vertical projection, ft	Characteristic length L, ft	Cooling load, Btu/h	Cooling load Btu/h per ft ²	Throw-to-Characteristic Length ratio	Required throw at 50ft/min, ft
101	Circular ceiling diffusers	9	1,426	6	1,580	8.1	3	11.1	30,800	19	0.8	8.9
102	Circular ceiling diffusers	9	249	1	140	5.9	3	8.9	5,376	38	0.8	7.1
103	Circular ceiling diffusers	9	210	1	210	7.2	3	10.2	2,340	11	0.8	8.2
104	Circular ceiling diffusers	9	818	3	670	7.5	3	10.5	17,664	26	0.8	8.4
105	Circular ceiling diffusers	9	48	1	90	4.7	3	7.7	1,036	12	0.8	6.2
106	Circular ceiling diffusers	9	1,037	4	1,580	9.9	3	12.9	22,397	14	0.8	10.3
107	Circular ceiling diffusers	9	490	2	1,030	11.3	3	14.3	10,585	10	0.8	11.5
108	Circular ceiling diffusers	9	347	2	370	6.8	3	9.8	7,503	20	0.8	7.8
109	Circular ceiling diffusers	9	236	1	200	7.1	3	10.1	5,102	26	0.8	8.1
110	Circular ceiling diffusers	9	2,205	9	2,120	7.7	3	10.7	47,609	22	0.8	8.5
111	Circular ceiling diffusers	9	21	1	60	3.9	3	6.9	445	7	0.8	5.5
112	Circular ceiling diffusers	9	516	2	270	5.8	3	8.8	10,034	37	0.8	7.0
113	Circular ceiling diffusers	9	392	2	2,580	18.0	3	21.0	8,459	3	0.8	16.8