

TABLE 10. SELECTION OF BONNET TEMPERATURE, REGISTER TEMPERATURE AND REGISTER DELIVERY (CFM)^{a, b}
(For Buildings Having a Heat Loss between 120,000 and 550,000 BTU/Hr.)
Register Delivery Volume in CFM per 1000 BTU per Hr.

TEMP. OF BON- NET F.	LINEAR DISTANCE FROM BONNET TO REGISTER, IN FEET																			
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
110 108 ^a	107	106	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87
22.1 ^b 23.1 ^b	23.6	24.2	25.4	26.0	26.6	27.3	28.0	28.8	29.6	30.5	31.5	32.3	33.3	34.6	35.9	37.3	38.6	39.9	41.3	42.7
120	118	116	114	112	111	109	108	106	105	103	101	100	99	98	97	96	95	94	93	90
18.4	19.0	19.6	20.3	21.1	21.6	22.5	23.1	24.2	24.8	26.0	26.6	27.3	28.0	29.6	30.5	31.5	32.3	33.3	34.6	38.6
130	128	126	123	121	119	117	115	113	111	110	108	107	105	104	103	102	101	99	98	97
15.9	16.4	16.9	17.6	18.1	18.7	19.3	20.0	20.7	21.6	22.1	23.1	23.6	24.8	25.4	26.0	26.6	27.3	28.8	29.6	30.5
140	137	134	131	129	126	124	122	120	118	116	114	112	110	109	107	106	105	103	102	101
14.0	14.6	15.1	15.7	16.2	16.9	17.3	17.9	18.4	19.0	19.6	20.3	21.1	22.1	22.5	23.6	24.2	24.8	26.0	26.6	27.3
150	147	143	140	137	134	131	129	127	124	122	120	118	116	114	112	110	109	107	106	105
12.6	12.9	13.5	14.0	14.6	15.1	15.7	16.2	16.6	17.3	17.9	18.5	19.6	20.3	21.1	22.1	22.5	23.6	24.2	24.8	25.4
160	156	152	149	145	142	139	136	133	130	128	126	123	121	119	117	115	113	112	110	109
11.4	11.8	12.3	12.7	13.2	13.7	14.2	14.8	15.3	15.9	16.4	16.9	17.6	18.1	18.7	19.3	20.0	20.7	21.1	22.1	22.5
170	166	161	157	153	150	146	143	140	137	134	131	128	126	124	122	120	118	116	114	112
10.5	10.8	11.3	11.7	12.2	12.6	13.1	13.5	14.0	14.6	15.1	15.7	16.4	16.9	17.3	17.9	18.4	19.0	19.6	20.3	21.1
180	175	170	166	161	157	153	150	146	143	140	137	135	131	128	126	124	122	120	118	116
9.7	10.0	10.5	10.8	11.3	11.7	12.2	12.6	13.1	13.5	14.0	14.6	14.9	15.7	16.4	16.9	17.3	17.9	18.4	19.0	19.6
190	184	179	174	169	165	160	156	153	149	145	142	139	136	133	130	128	126	124	121	119
9.1	9.4	9.8	10.1	10.6	10.9	11.4	11.8	12.2	12.7	13.2	13.7	14.2	14.7	15.3	15.9	16.4	16.9	17.3	18.1	18.7
200	193	187	182	176	171	167	163	158	154	151	147	144	140	138	135	132	129	127	125	122
8.6	8.9	9.2	9.6	9.9	10.4	10.7	11.1	11.6	12.1	12.4	12.9	13.4	14.0	14.4	14.9	15.5	16.2	16.8	17.2	17.9

^a Register temperature, Fahrenheit. (Use upper value in each group).

^b Register delivery volume in cubic feet per minute per 1000 Btu. (Use lower value in each group).

^c Register delivery volumes in column 1 are for zero length of duct.

TABLE 11. SELECTION OF BONNET TEMPERATURE, REGISTER TEMPERATURE AND REGISTER DELIVERY (CFM)^{a, b}
(For Buildings Having a Heat Loss Greater than 550,000 BTU/Hr.)
Register Delivery Volume in CFM per 1000 BTU per Hr.

BONNET TEMP. °F.	LINEAR DISTANCE FROM BONNET TO REGISTER, IN FEET																			
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
140	138 ^a	136	134	132	130	128	127	126	125	124	123	121	120	119	118	117	116	115	114	113
14.0 ^c	14.4 ^b	14.8	15.1	15.5	15.9	16.4	16.6	16.9	17.2	17.3	17.6	18.1	18.4	18.7	19.0	19.3	19.6	20.0	20.3	20.7
150	148	146	143	141	139	137	135	133	131	129	128	127	126	124	123	122	120	119	118	117
12.6	12.8	13.1	13.5	13.9	14.2	14.6	14.9	15.3	15.7	16.2	16.4	16.8	17.3	17.6	17.9	18.4	18.7	19.0	19.3	20.7
160	158	155	152	150	147	145	143	140	138	136	134	132	130	128	127	126	125	124	123	121
11.4	11.6	12.0	12.3	12.6	12.9	13.2	13.5	14.0	14.4	14.8	15.1	15.5	15.9	16.4	16.8	17.2	17.6	18.1	18.4	19.3
170	167	164	161	158	155	152	150	147	145	143	140	138	136	134	132	130	128	127	126	125
10.5	10.7	11.0	11.3	11.6	12.0	12.3	12.6	12.9	13.2	13.5	14.0	14.4	14.8	15.1	15.5	15.9	16.4	16.8	17.2	17.3
180	177	173	170	167	164	161	158	155	152	150	147	145	143	140	138	136	134	132	130	128
9.7	9.9	10.2	10.5	10.7	11.0	11.3	11.6	12.0	12.3	12.6	12.9	13.2	13.5	14.0	14.4	14.8	15.1	15.5	15.9	16.4
190	186	182	178	175	172	168	165	162	159	156	153	151	148	146	143	141	139	137	135	133
9.1	9.3	9.6	9.8	10.0	10.3	10.7	10.9	11.2	11.5	11.8	12.2	12.4	12.8	13.1	13.5	13.9	14.2	14.6	14.9	15.3
200	196	191	187	183	179	176	172	169	166	163	160	157	154	151	149	147	144	142	140	138
8.6	8.8	9.0	9.2	9.5	9.8	9.9	10.3	10.6	10.8	11.1	11.4	11.7	12.1	12.4	12.7	12.9	13.3	13.7	14.0	14.4

^a Register temperature, Fahrenheit. (Use upper value in each group).

^b Register delivery volume in cubic feet per minute per 1000 Btu. (Use lower value in each group).

^c Register delivery volumes in column 1 are for zero length of duct.