

Brown Middle School Ventilation Summary

Room	Ventilation Equipment Type	Minimum Fresh Air Required (CFM) ¹	Measured Fresh Air (CFM)	Room Ventilation Status at 50% Occupancy	Room Ventilation Status at 100% Occupancy	Nominal Occupancy Supported by Measured Fresh Air	Notes
101 - Classroom	RTU	485	581	●	●	36	
102 - Classroom	RTU	500	596	●	●	37	
106 - Gym	AHU	3660	4156	●	●	357	
107 Cafeteria	AHU	2875	3335	●	●	362	
109 - Staff lounge	N/A	152	NA	●	●	NA	Outdoor meets requirements of construction, but is short of ideal standards.
121 - Classroom	Unit Vent	295	352	●	●	28	
122 - Classroom	Unit Vent	415	478	●	●	37	
123 - Classroom	Unit Vent	325	463	●	●	38	
124 - Classroom	Unit Vent	390	466	●	●	37	
126 - Classroom	Unit Vent	280	397	●	●	33	
127 - Classroom	Unit Vent	415	450	●	●	35	
128 - Classroom	Unit Vent	415	416	●	●	31	
129 - Classroom	Unit Vent	430	436	●	●	33	
130 - Classroom	Unit Vent	460	444	●	●	33	Within margin of error of testing equipment
131 - Classroom	Unit Vent	485	488	●	●	37	
132 - Classroom	Unit Vent	445	470	●	●	36	
133 - Classroom	Unit Vent	470	525	●	●	41	
134 - Classroom	Unit Vent	495	504	●	●	38	
135 - Classroom	Unit Vent	390	471	●	●	37	
136 - Classroom	Unit Vent	350	463	●	●	38	
137 - Classroom	Unit Vent	405	587	●	●	49	
138 - Classroom	RTU	525	647	●	●	35	
139 - Classroom	Unit Vent	405	417	●	●	31	
140 - Classroom	RTU	360	572	●	●	37	
142 - Shop	Unit Vent	365	NA	NA	NA	NA	Room not in use
144 - Classroom	Unit Vent	365	632	●	●	54	
146A - Classroom	Unit Vent	290	289	●	●	20	Within margin of error of testing equipment
146B - Classroom	Unit Vent	410	518	●	●	43	
147 - Classroom	Unit Vent	415	543	●	●	44	
148 - Classroom	Unit Vent	470	443	●	●	32	Within margin of error of testing equipment
150 - Classroom	Unit Vent	270	416	●	●	35	
152 - Classroom	Unit Vent	285	342	●	●	27	
153 - Library	AHU	860	1024	●	●	68	
Library Computer Lab	AHU	350	405	●	●	36	Est occupancy 25
Library Office	AHU	40	70	●	●	7	
156 - Classroom	Unit Vent	300	410	●	●	33	
157 - Classroom	Unit Vent	390	528	●	●	43	
158 - Classroom	Unit Vent	255	392	●	●	33	
159 - Classroom	Unit Vent	380	573	●	●	48	
201 - Classroom	Unit Vent	300	467	●	●	39	
202 - Classroom	Unit Vent	295	422	●	●	35	
203 - Classroom	Unit Vent	325	402	●	●	32	
204 - Classroom	Unit Vent	230	267	●	●	21	
206 - Classroom	Unit Vent	310	596	●	●	52	
207 - Classroom	Unit Vent	325	368	●	●	29	
208 - Classroom	Unit Vent	325	526	●	●	45	
209 - Office	N/A	25	NA	●	●	NA	Outdoor meets requirements of construction, but is short of ideal standards.
210 - Classroom	Unit Vent	365	474	●	●	38	
212 - Classroom	Unit Vent	375	429	●	●	34	
213 - Classroom	Unit Vent	375	705	●	●	61	
214 - Classroom	Unit Vent	285	376	●	●	30	
215 - Classroom	Unit Vent	380	419	●	●	32	
216 - Classroom	Unit Vent	270	736	●	●	67	
217 - Classroom	Unit Vent	375	383	●	●	29	
218 - Classroom	Unit Vent	205	306	●	●	26	
219 - Classroom	Unit Vent	255	657	●	●	59	
220 - Classroom	Unit Vent	310	393	●	●	32	
221 - Classroom	Unit Vent	390	473	●	●	37	
222 - Classroom	Unit Vent	325	740	●	●	66	
223 - Classroom	Unit Vent	325	515	●	●	43	
224 - Classroom	Unit Vent	310	384	●	●	31	
225 - Classroom	Unit Vent	405	405	●	●	30	
227 - Classroom	Unit Vent	310	424	●	●	35	
228 - Classroom	Unit Vent	380	464	●	●	37	
229A - Classroom	Unit Vent	485	763	●	●	71	
229B - Classroom	Unit Vent	485	909	●	●	86	
230 - Classroom	Unit Vent	470	531	●	●	41	
231 - Classroom	Unit Vent	295	381	●	●	31	
232 - Classroom	Unit Vent	280	631	●	●	56	
Admin Suite	N/A	N/A	NA	NA	NA	NA	Outdoor meets requirements of construction, but is short of ideal standards.
Auditorium	AHU	6280	10836	●	●	2090	

1. Air flow calculated using ASHRAE 62.1 and the International Mechanical Code default values for fully occupied classrooms.