

Bigelow 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
G01 - Classroom	Unit Ventilator	494	1307	●	●	115	
G02 - Classroom	Unit Ventilator	442	684	●	●	54	
G03 - Classroom	Unit Ventilator	469	463	●	●	29	Within margin of error of testing equipment
G04 - Classroom	Unit Ventilator	485	841	●	●	66	
G05 - Classroom	AHU	438	427	●	●	29	Within margin of error of testing equipment
G06 - Classroom	Unit Ventilator	478	625	●	●	45	
G07 - Classroom	Unit Ventilator	436	1454	●	●	134	
G08 - Classroom	Unit Ventilator	469	1627	●	●	146	
G09 - Classroom	Unit Ventilator	222	797	●	●	74	
G10 - Classroom	Unit Ventilator	478	789	●	●	61	
100 - Library	Unit Ventilator	700	2550	●	●	405	
101 - Classroom	Unit Ventilator	308	297	●	●	22	Within margin of error of testing equipment
102 - Classroom	Unit Ventilator	405	611	●	●	51	
103 - Classroom	Unit Ventilator	359	1577	●	●	149	
104 - Classroom	Unit Ventilator	472	507	●	●	39	
105 - Office	Unit Ventilator	17	20	●	●	2	
106 - Classroom	Unit Ventilator	418	839	●	●	72	
107 - Office	Unit Ventilator	15	20	●	●	2	
108 - Classroom	Unit Ventilator	461	472	●	●	35	
109A - Office	Unit Ventilator	26	30	●	●	2	
109B - Office	Unit Ventilator	28	30	●	●	2	
109C - Office	Unit Ventilator	11	15	●	●	1	
109D - Office	Unit Ventilator	15	122	●	●	22	
109E - Office	Unit Ventilator	17	20	●	●	2	
110 - Classroom	Unit Ventilator	472	542	●	●	42	
111 - Office	Unit Ventilator	75	270	●	●	43	
112 - Classroom	Unit Ventilator	493	708	●	●	52	
113 - Classroom	Unit Ventilator	426	653	●	●	53	
114 - Classroom	Unit Ventilator	406	1025	●	●	92	
Weightroom	Unit Ventilator	177	442	●	●	20	
117 - Classroom	Unit Ventilator	266	506	●	●	44	
118 - Classroom	Unit Ventilator	416	383	●	●	27	Within margin of error of testing equipment
120 - Cafeteria	Unit Ventilator	2035	2067	●	●	205	
121 - Music	Unit Ventilator	522	795	●	●	62	
126 - Auditorium	AHU	2276	3184	●	●	401	
201 - Classroom	Unit Ventilator	302	137	●	●	6	Working with NPS on remedial plans.
202 - Classroom	Unit Ventilator	550	755	●	●	51	
203 - Classroom	Unit Ventilator	485	514	●	●	33	
204 - Classroom	Unit Ventilator	484	1036	●	●	85	
205 - Classroom	Unit Ventilator	508	1000	●	●	79	
206 - Classroom	Unit Ventilator	493	749	●	●	56	
207 - Classroom	Unit Ventilator	456	375	●	●	22	Working with NPS on remedial plans.
208 - Classroom	Unit Ventilator	500	815	●	●	61	
209 - Classroom	Unit Ventilator	485	593	●	●	41	
210 - Classroom	Unit Ventilator	492	767	●	●	58	
211 - Classroom	Unit Ventilator	500	1012	●	●	81	
212 - Classroom	Unit Ventilator	509	763	●	●	55	
213 - Classroom	Unit Ventilator	498	690	●	●	49	
214 - Classroom	Unit Ventilator	510	649	●	●	44	
215 - Classroom	Unit Ventilator	531	545	●	●	31	
216 - Classroom	Unit Ventilator	421	480	●	●	36	
217 - Classroom	Unit Ventilator	523	997	●	●	77	
218 - Classroom	Unit Ventilator	541	1065	●	●	82	
Gym	AHU	2305	3664	●	●	136	

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