

Oak Hill Middle Ventilation Summary

Room	Ventilation Equipment Type	Minimum Fresh Air Required (CFM) <sup>1</sup>	Measured Fresh Air (CFM)	Room Ventilation Status at 50% Occupancy	Room Ventilation Status at 100% Occupancy	Nominal Occupancy Supported by Measured Fresh Air	Notes
6 - Conference	Unit Ventilator	120	231	●	●	34	
7 - Music Classroom	Unit Ventilator	715	684	●	●	33	Within margin of error of testing equipment
10 - Classroom	Unit Ventilator	440	586	●	●	38	
11A - Classroom	Unit Ventilator	350	703	●	●	49	
11B - Classroom	Unit Ventilator	350	351	●	●	21	
M102 - Classroom	RTU	550	1285	●	●	83	
M103 - Classroom	RTU	550	1012	●	●	61	
M104 - Classroom	RTU	550	1380	●	●	91	
M105 - Classroom	RTU	550	1317	●	●	86	
105 - Classroom	Unit Ventilator	495	587	●	●	44	
106 - Classroom	Unit Ventilator	510	576	●	●	42	
107 - Classroom	Unit Ventilator	515	533	●	●	37	
108 - Classroom	Unit Ventilator	515	610	●	●	45	
109 - Classroom	Unit Ventilator	550	642	●	●	45	
109A - Classroom	Unit Ventilator	335	716	●	●	63	
110 - Gymnasium	AHU 3 & 4	2780	3388	●	●	79	
113 - Auditorium	AHU 8	4290	4958	●	●	689	
115 - Cafeteria	AHU 10	3240	4015	●	●	220	Note 2
118 - Multipurpose	Unit Ventilator	790	969	●	●	122	
119 - Classroom	Unit Ventilator	520	571	●	●	40	
119A - Conference	Unit Ventilator	85	117	●	●	21	
120 - Classroom	Unit Ventilator	535	600	●	●	42	
120A - Office	Unit Ventilator	20	125	●	●	22	
121 - Classroom	Unit Ventilator	540	553	●	●	36	
122 - Classroom	Unit Ventilator	540	632	●	●	44	
122A - Prep Room	Unit Ventilator	25	58	●	●	9	
123 - Classroom	Unit Ventilator	535	661	●	●	48	
123A - Prep Room	Unit Ventilator	25	47	●	●	7	
124 - Classroom	Unit Ventilator	525	627	●	●	45	
125 - Classroom	Unit Ventilator	520	569	●	●	40	
125A - Office	Unit Ventilator	20	108	●	●	19	
126 - Classroom	Unit Ventilator	515	638	●	●	47	
126A - Office	Unit Ventilator	85	118	●	●	21	
128 - Nurse	AHU 1	20	17	●	●	1	
129 - Exam	AHU 1	15	18	●	●	2	
130 - Exam	AHU 1	15	16	●	●	2	
132 - Rest	AHU 1	15	32	●	●	1	
133 - Office 1C	AHU 2	20	26	●	●	3	
134 - Office 1B	AHU 1	30	38	●	●	4	
137 - Principal	AHU 2	30	38	●	●	4	
138 - Office	AHU 1	30	32	●	●	3	
139 - Main Office	AHU 2	50	56	●	●	5	
142 - Classroom	Unit Ventilator	510	557	●	●	40	
143 - Classroom	Unit Ventilator	510	547	●	●	39	
147 - OT/PT	Unit Ventilator	160	258	●	●	12	
148 - Classroom	Unit Ventilator	840	900	●	●	53	
149 - Flex	Unit Ventilator	25	35	●	●	1	
150 - Classroom	Unit Ventilator	645	654	●	●	49	
150A - Flex	Unit Ventilator	35	69	●	●	11	
151 - Office	Unit Ventilator	25	122	●	●	21	
152 - Classroom	Unit Ventilator	515	607	●	●	44	
200 - Break Room	Unit Ventilator	240	472	●	●	86	
206 - Classroom	Unit Ventilator	495	613	●	●	47	
207 - Classroom	Unit Ventilator	520	759	●	●	59	
208 - Classroom	Unit Ventilator	310	386	●	●	26	
209 - Conference	Unit Ventilator	135	225	●	●	41	
210 - Office	Unit Ventilator	75	114	●	●	15	
211 - Office	Unit Ventilator	35	138	●	●	25	
212 - Office	Unit Ventilator	25	75	●	●	12	
213 - Office	Unit Ventilator	25	75	●	●	12	
214 - Office	Unit Ventilator	35	160	●	●	29	
215 - Classroom	Unit Ventilator	510	578	●	●	42	
216 - Classroom	Unit Ventilator	480	499	●	●	37	
222 - Media Center	AHU 9	1530	2492	●	●	188	
223 - Office	AHU 9	30	77	●	●	12	
224 - Office	AHU 9	30	77	●	●	12	
225 - Office	AHU 9	20	77	●	●	13	
228 - Classroom	Unit Ventilator	525	630	●	●	46	
228A - Conference	Unit Ventilator	85	88	●	●	4	
229 - Classroom	Unit Ventilator	535	597	●	●	41	
229A - Office	Unit Ventilator	35	91	●	●	4	
230 - Classroom	Unit Ventilator	545	624	●	●	43	
231 - Classroom	Unit Ventilator	555	660	●	●	46	
231A - Prep	Unit Ventilator	25	42	●	●	5	
232 - Classroom	Unit Ventilator	560	718	●	●	51	
232A - Prep	Unit Ventilator	25	45	●	●	5	
233 - Classroom	Unit Ventilator	540	594	●	●	41	
234 - Classroom	Unit Ventilator	530	591	●	●	41	
234A - Office	Unit Ventilator	35	140	●	●	19	
235 - Classroom	Unit Ventilator	510	558	●	●	40	
235A - Conference	Unit Ventilator	85	107	●	●	8	
236 - Classroom	AHU 11	490	1003	●	●	85	
237 - Classroom	AHU 11	505	906	●	●	75	
243 - Classroom	Unit Ventilator	520	594	●	●	43	
244 - Classroom	Unit Ventilator	515	549	●	●	39	
249 - Classroom	Unit Ventilator	625	1003	●	●	85	
249A - Prep	Unit Ventilator	25	27	●	●	2	
250 - Office	Unit Ventilator	40	59	●	●	8	
251 - Classroom	Unit Ventilator	500	592	●	●	45	

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

2. Calculated at max posted occupancy of 200 as specified by city of Newton.