

S. No.	AHU-Tag#	Fresh air Cooling Load (Tons)	Space Cooling Load (Tons)	Total Cooling Capacity (Tons)	Fresh air (CFM)	Exhaust air to the heat recovery unit (CFM)	Fresh air for positive pressure (CFM)
1	AHU-1 & 2	11.1	44.3	55.4	1828	828	1000
2	AHU-3	9.9	34.7	44.6	1642	742	900
3	AHU-4	17.8	37.5	55.3	2938	806	986
4	AHU-5	4.5	6	10.5	750	0	
5	AHU-6	2.5	5	7.5	410	0	
6	FCU-1& 2	1.2	4.61	5.81	197	0	
7	FCU-3	0.4	0.8	1.2		0	
<b>Total</b>		<b>47.4</b>	<b>132.91</b>	<b>180.31</b>	7765	<b>2376</b>	2886

30% of total FA supplied

The above total cooling capacity is based on without heat recovery device.

ESP of supply ductwork of FAHU-1 = 1.25 "/Wg.

ESP of exhaust ductwork of FAHU-1 = 0.9 "/Wg.

Exhaust for battery charging room = 1145 cfm & 193 cfm for the positive pressure in the space