

**VAYHAN AIR CONTROLS PRIVATE LIMITED**

G-1, Park View Residency, Patwari Enclave, Gandhi Nagar (IDPL), Hyderabad - 500 037.  
 Phone: +91-40-23720455; Fax: +91-40-23720456; email: sales@vayhan.com; url: www.vayhan.com



**Clean Room AHU ( Mixing Box+Prefilter(Panel&Bag)+Cooling Coil+Fan+Fine Filter+HEPA Filter)**

Unit Size	Air Flow			Unit Dimensions				Base Ht.	Inlet (FA) Size			Inlet (RA) Size		Outlet Size		Outlet Size		Mass (kgs)
	Designed	Min	Max	L ▶	L ▲	W	H	Hb	h	w	h	w	h ▶	w ▶	h ▲	w ▲		
	(cfm)	(cfm)	(cfm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
8	800	800	1175	4420	4420	800	600	100	150	150	200	375	200	300	200	300	400	
12	1200	850	1225	4470	4470	900	600	100	150	150	250	450	300	325	200	475	450	
16	1600	1300	1900	4520	4520	900	800	100	150	200	300	500	300	400	300	425	525	
20	2000	1500	2100	4520	4520	975	800	100	175	225	300	625	350	450	350	450	550	
25	2500	1800	2600	4570	4570	1125	800	100	200	250	350	675	400	500	350	550	625	
30	3000	2300	3300	4670	4670	1300	800	100	225	250	400	700	400	600	400	600	675	
35	3500	3000	4100	4870	4870	1425	850	100	250	250	400	800	450	600	400	675	750	
40	4000	3000	4100	4870	4870	1480	850	100	250	300	400	900	500	625	450	700	825	
45	4500	3800	5200	5025	5045	1510	900	100	250	350	450	925	550	650	500	700	900	
50	5000	3800	5200	5025	5045	1420	1110	100	275	350	450	1050	550	700	500	775	950	
55	5500	4800	6500	5100	5120	1500	1110	100	300	350	500	1050	600	700	500	850	1025	
60	6000	4800	6500	5150	5220	1575	1110	100	300	375	500	1100	650	725	550	850	1050	
65	6500	4800	6500	5170	5220	1730	1110	100	300	400	500	1200	650	775	550	925	1200	
70	7000	6100	8200	5500	5550	1775	1150	100	325	400	500	1300	650	850	600	900	1300	
75	7500	6100	8200	5500	5550	1880	1150	100	350	400	500	1400	700	850	600	975	1350	
80	8000	6100	8200	5500	5550	1550	1450	100	350	425	600	1250	700	900	650	650	1400	
85	8500	7600	10300	5575	5625	1625	1450	100	350	450	600	1325	750	900	650	1000	1525	
90	9000	7600	10300	5750	5800	1750	1450	100	400	425	600	1400	750	950	650	1075	1550	
95	9500	7600	10300	5750	5800	1750	1450	100	400	450	600	1500	750	1000	650	1150	1625	
100	10000	7600	10300	5800	5900	1850	1450	100	400	475	650	1450	800	1000	700	1100	1650	
105	10500	9500	12900	5900	6000	1925	1450	100	400	500	650	1500	800	1025	700	1175	1750	
110	11000	9500	12900	5900	6000	2050	1450	100	400	525	650	1575	850	1000	700	1225	1800	
115	11500	9500	12900	5900	6100	2080	1450	100	400	550	650	1650	850	1050	750	1200	1875	
120	12000	9500	12900	5900	6100	2160	1450	100	425	525	700	1600	900	1050	750	1250	1900	
125	12500	9500	12900	5900	6100	2250	1450	100	450	525	700	1675	900	1075	750	1300	2100	
130	13000	12000	16300	6050	6100	2360	1550	100	450	550	750	1600	900	1125	800	1250	2150	
135	13500	12000	16300	6100	6300	2400	1550	100	450	550	750	1700	900	1150	800	1300	2275	
140	14000	12000	16300	6200	6400	2175	1750	100	450	600	750	1750	950	1150	800	1350	2300	
145	14500	12000	16300	6200	6400	2250	1750	100	450	600	800	1700	950	1200	850	1325	2375	
150	15000	12000	16300	6200	6400	2150	1825	100	500	550	800	1750	1000	1175	850	1375	2400	
155	15500	12000	16300	6300	6500	2225	1825	100	500	600	800	1800	1000	1200	850	1400	2475	
160	16000	12000	16300	6300	6500	2360	1825	100	500	600	800	1850	1000	1250	900	1400	2500	
165	16500	15000	20400	6450	6650	2360	1825	100	500	625	800	1925	1050	1225	900	1425	2650	
170	17000	15000	20400	6650	6850	2400	1825	100	500	650	800	1975	1050	1250	900	1450	2700	
175	17500	15000	20400	6700	6950	2450	1825	100	500	650	850	1950	1050	1300	900	1500	2725	
180	18000	15000	20400	6700	6950	2360	1950	100	550	625	850	1975	1050	1350	950	1475	2750	
185	18500	15000	20400	6700	6950	2660	1825	100	550	625	850	2000	1100	1300	950	1500	2800	
190	19000	15000	20400	6700	6950	2660	1825	100	550	650	850	2100	1100	1350	950	1550	2850	
195	19500	15000	20400	6700	6950	2710	1825	100	550	650	850	2150	1100	1375	950	1600	2900	
200	20000	15000	20400	6700	6950	2675	1950	100	550	675	850	2200	1150	1350	950	1650	2950	
205	20500	19000	25800	6950	7250	2475	2075	100	550	700	900	2100	1150	1400	1000	1600	3150	
210	21000	19000	25800	6950	7250	2525	2075	100	550	700	900	2175	1150	1425	1000	1650	3200	
215	21500	19000	25800	6950	7250	2575	2075	100	600	700	900	2200	1200	1400	1000	1675	3275	
220	22000	19000	25800	6950	7250	2675	2075	100	600	700	900	2300	1200	1425	1050	1625	3300	
225	22500	19000	25800	6950	7250	2700	2075	100	600	700	950	2200	1200	1450	1050	1675	3350	
230	23000	19000	25800	6950	7250	2750	2075	100	600	725	950	2250	1200	1500	1050	1700	3400	
235	23500	19000	25800	6950	7300	2800	2075	100	600	750	950	2300	1250	1450	1050	1750	3450	

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Unit Size	Air Flow			Unit Dimensions				Base Ht.	Inlet (FA) Size			Inlet (RA) Size		Outlet Size		Outlet Size		Mass (kgs)
	Designed	Min	Max	L ▶	L ▲	W	H	Hb	h	w	h	w	h ▶	w ▶	h ▲	w ▲		
	(cfm)	(cfm)	(cfm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
250	25000	19000	25800	6950	7300	3000	2075	100	650	725	950	2450	1250	1550	1100	1750	3700	
255	25500	19000	25800	6950	7300	3000	2075	100	650	750	950	2500	1250	1600	1100	1800	3800	
260	26000	24000	32400	7150	7550	3000	2200	100	650	750	1000	2400	1300	1550	1100	1850	3850	
265	26500	24000	32400	7150	7550	3000	2200	100	650	775	1000	2500	1300	1600	1200	1700	3900	
270	27000	24000	32400	7150	7550	3000	2200	100	650	800	1000	2500	1300	1600	1200	1750	3950	
275	27500	24000	32400	7150	7550	3025	2200	100	650	800	1000	2550	1300	1650	1200	1775	3975	
280	28000	24000	32400	7150	7550	3075	2200	100	650	800	1000	2600	1300	1675	1200	1800	4000	
285	28500	24000	32400	7150	7550	3300	2200	100	700	800	1000	2650	1300	1700	1200	1850	4075	
290	29000	24000	32400	7150	7550	3300	2200	100	700	800	1000	2700	1350	1675	1200	1875	4100	
295	29500	24000	32400	7150	7550	3300	2200	100	700	800	1000	2750	1350	1700	1200	1900	4125	
300	30000	24000	32400	7200	7600	3300	2200	100	700	800	1000	2800	1350	1725	1200	1950	4150	
305	30500	24000	32400	7200	7600	3125	2360	100	700	825	1050	2700	1350	1750	1200	1975	4175	
310	31000	24000	32400	7200	7600	3175	2360	100	700	825	1050	2750	1350	1775	1200	2000	4200	
315	31500	24000	32400	7200	7600	3225	2360	100	700	850	1050	2800	1400	1750	1200	2050	4250	
320	32000	24000	32400	7200	7600	3275	2360	100	700	850	1050	2850	1400	1800	1200	2075	4250	
325	32500	24000	32600	6700	7100	3600	2200	100	750	825	1100	2750	1400	1800	1200	2100	4500	
330	33000	30000	41000	6850	7250	3800	2075	100	750	825	1100	2800	1300	1975	1200	2150	4600	
335	33500	30000	41000	6850	7250	3850	2075	100	750	850	1100	2850	1300	2000	1200	2150	4650	
340	34000	30000	41000	6850	7250	3900	2075	100	750	850	1100	2900	1300	2025	1200	2200	4700	
345	34500	30000	41000	6850	7250	3950	2075	100	750	875	1100	2900	1300	2050	1200	2250	4750	
350	35000	30000	41000	6850	7250	3750	2200	100	750	875	1100	2950	1300	2100	1200	2250	4800	
355	35500	30000	41000	6850	7250	3800	2200	100	750	900	1100	3000	1300	2100	1200	2300	4875	
360	36000	30000	41000	6850	7250	3910	2200	100	750	900	1100	3050	1300	2150	1200	2325	4900	
365	36500	30000	41000	6850	7250	3910	2200	100	750	925	1100	3100	1300	2175	1200	2350	4925	
370	37000	30000	41000	6850	7250	3950	2200	100	800	900	1100	3100	1300	2200	1200	2400	4950	
375	37500	30000	41000	6850	7250	3775	2360	100	800	900	1100	3175	1300	2250	1200	2400	4975	
380	38000	30000	41000	6900	7300	3825	2360	100	800	900	1100	3200	1300	2275	1200	2450	5000	
385	38500	30000	41000	6900	7300	3850	2360	100	800	900	1100	3250	1300	2300	1200	2500	5025	
390	39000	30000	41000	6900	7300	3900	2360	100	800	925	1100	3300	1300	2325	1200	2500	5050	
395	39500	30000	41000	6900	7300	3950	2360	100	800	925	1100	3350	1300	2350	1200	2550	5175	
400	40000	30000	41000	6900	7300	4000	2360	100	800	950	1100	3400	1300	2400	1200	2600	5100	

- Notes: 1. Weight data is approximate and including filter, 4 RD coil Motor and Fan.  
 2. Dimensions are approximate and subject to change due to regular design upgradations.  
 3. In case of heating coil section add 300 mm to the length of Unit to arrive total length.  
 4. Face Velocity across components as given below.
- Fan - Minimum - 6.5 mps
  - Fan - Maximum - 9.5 mps
  - Cooler - Air Side - 2.5 mps
  - Filter - Air Side - 2.5 mps