

**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)**

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	3490	3490	800	600	100	150	150	200	375	200	300	200	300	325	
12	1200	850	1225	3540	3540	900	600	100	150	150	250	450	300	325	200	475	375	
16	1600	1300	1900	3590	3590	900	800	100	150	200	300	500	300	400	300	425	425	
20	2000	1500	2100	3590	3590	975	800	100	175	225	300	625	350	450	350	450	475	
25	2500	1800	2600	3640	3640	1125	800	100	200	250	350	675	400	500	350	550	525	
30	3000	2300	3300	3740	3740	1300	800	100	225	250	400	700	400	600	400	600	575	
35	3500	3000	4100	3890	3890	1425	850	100	250	250	400	800	450	600	400	675	650	
40	4000	3000	4100	3890	3890	1480	850	100	250	300	400	900	500	625	450	700	700	
45	4500	3800	5200	4045	4065	1510	900	100	250	350	450	925	550	650	500	700	750	
50	5000	3800	5200	4045	4065	1420	1110	100	275	350	450	1050	550	700	500	775	800	
55	5500	4800	6500	4120	4140	1500	1110	100	300	350	500	1050	600	700	500	850	825	
60	6000	4800	6500	4200	4280	1575	1110	100	300	375	500	1100	650	725	550	850	850	
65	6500	4800	6500	4230	4280	1730	1110	100	300	400	500	1200	650	775	550	925	900	
70	7000	6100	8200	4500	4550	1775	1150	100	325	400	500	1300	650	850	600	900	1050	
75	7500	6100	8200	4500	4550	1880	1150	100	350	400	500	1400	700	850	600	975	1150	
80	8000	6100	8200	4500	4550	1550	1450	100	350	425	600	1250	700	900	650	650	1200	
85	8500	7600	10300	4575	4625	1625	1450	100	350	450	600	1325	750	900	650	1000	1250	
90	9000	7600	10300	4625	4675	1750	1450	100	400	425	600	1400	750	950	650	1075	1350	
95	9500	7600	10300	4625	4725	1750	1450	100	400	450	600	1500	750	1000	650	1150	1400	
100	10000	7600	10300	4675	4775	1850	1450	100	400	475	650	1450	800	1000	700	1100	1425	
105	10500	9500	12900	4800	4900	1925	1450	100	400	500	650	1500	800	1025	700	1175	1550	
110	11000	9500	12900	4800	4900	2050	1450	100	400	525	650	1575	850	1000	700	1225	1600	
115	11500	9500	12900	4800	4950	2080	1450	100	400	550	650	1650	850	1050	750	1200	1650	
120	12000	9500	12900	4800	4950	2160	1450	100	425	525	700	1600	900	1050	750	1250	1700	
125	12500	9500	12900	4950	5100	2250	1450	100	450	525	700	1675	900	1075	750	1300	1800	
130	13000	12000	16300	4950	5300	2360	1550	100	450	550	750	1600	900	1125	800	1250	1900	
135	13500	12000	16300	5100	5300	2400	1550	100	450	550	750	1700	900	1150	800	1300	2000	
140	14000	12000	16300	5200	5400	2175	1750	100	450	600	750	1750	950	1150	800	1350	2050	
145	14500	12000	16300	5200	5400	2250	1750	100	450	600	800	1700	950	1200	850	1325	2100	
150	15000	12000	16300	5200	5400	2150	1825	100	500	550	800	1750	1000	1175	850	1375	2150	
155	15500	12000	16300	5300	5500	2225	1825	100	500	600	800	1800	1000	1200	850	1400	2200	
160	16000	12000	16300	5300	5500	2360	1825	100	500	600	800	1850	1000	1250	900	1400	2250	
165	16500	15000	20400	5450	5650	2360	1825	100	500	625	800	1925	1050	1225	900	1425	2350	
170	17000	15000	20400	5550	5750	2400	1825	100	500	650	800	1975	1050	1250	900	1450	2400	
175	17500	15000	20400	5600	5850	2450	1825	100	500	650	850	1950	1050	1300	900	1500	2425	
180	18000	15000	20400	5600	5850	2360	1950	100	550	625	850	1975	1050	1350	950	1475	2450	
185	18500	15000	20400	5600	5850	2660	1825	100	550	625	850	2000	1100	1300	950	1500	2500	
190	19000	15000	20400	5600	5850	2660	1825	100	550	650	850	2100	1100	1350	950	1550	2550	
195	19500	15000	20400	5600	5850	2710	1825	100	550	650	850	2150	1100	1375	950	1600	2600	
200	20000	15000	20400	5600	5850	2675	1950	100	550	675	850	2200	1150	1350	950	1650	2650	
205	20500	19000	25800	5850	6150	2475	2075	100	550	700	900	2100	1150	1400	1000	1600	2750	
210	21000	19000	25800	5850	6150	2525	2075	100	550	700	900	2175	1150	1425	1000	1650	2800	
215	21500	19000	25800	5850	6150	2575	2075	100	600	700	900	2200	1200	1400	1000	1675	2850	
220	22000	19000	25800	5850	6150	2675	2075	100	600	700	900	2300	1200	1425	1050	1625	2900	
225	22500	19000	25800	5850	6150	2700	2075	100	600	700	950	2200	1200	1450	1050	1675	2925	
230	23000	19000	25800	5850	6150	2750	2075	100	600	725	950	2250	1200	1500	1050	1700	2950	
235	23500	19000	25800	5850	6200	2800	2075	100	600	750	950	2300	1250	1450	1050	1750	2975	
240	24000	19000	25800	5850	6200	2850	2075	100	650	700	950	2350	1250	1500	1050	1800	3000	
245	24500	19000	25800	5850	6200	2900	2075	100	650	700	950	2400	1250	1525	1100	1725	3100	
250	25000	19000	25800	5850	6200	3000	2075	100	650	725	950	2450	1250	1550	1100	1750	3250	
255	25500	19000	25800	5850	6200	3000	2075	100	650	750	950	2500	1250	1600	1100	1800	3300	

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	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)		
260	26000	24000	32400	6050	6450	3000	2200	100	650	750	1000	2400	1300	1550	1100	1850	3350	
265	26500	24000	32400	6050	6450	3000	2200	100	650	775	1000	2500	1300	1600	1200	1700	3375	
270	27000	24000	32400	6050	6450	3000	2200	100	650	800	1000	2500	1300	1600	1200	1750	3400	
275	27500	24000	32400	6050	6450	3025	2200	100	650	800	1000	2550	1300	1650	1200	1775	3450	
280	28000	24000	32400	6050	6450	3075	2200	100	650	800	1000	2600	1300	1675	1200	1800	3500	
285	28500	24000	32400	6050	6450	3300	2200	100	700	800	1000	2650	1300	1700	1200	1850	3575	
290	29000	24000	32400	6050	6450	3300	2200	100	700	800	1000	2700	1350	1675	1200	1875	3600	
295	29500	24000	32400	6050	6450	3300	2200	100	700	800	1000	2750	1350	1700	1200	1900	3625	
300	30000	24000	32400	6100	6500	3300	2200	100	700	800	1000	2800	1350	1725	1200	1950	3650	
305	30500	24000	32400	6100	6500	3125	2360	100	700	825	1050	2700	1350	1750	1200	1975	3675	
310	31000	24000	32400	6100	6500	3175	2360	100	700	825	1050	2750	1350	1775	1200	2000	3700	
315	31500	24000	32400	6100	6500	3225	2360	100	700	850	1050	2800	1400	1750	1200	2050	3725	
320	32000	24000	32400	6100	6500	3275	2360	100	700	850	1050	2850	1400	1800	1200	2075	3750	
325	32500	24000	32600	5600	6000	3600	2200	100	750	825	1100	2750	1400	1800	1200	2100	4100	
330	33000	30000	41000	5750	6150	3800	2075	100	750	825	1100	2800	1300	1975	1200	2150	4200	
335	33500	30000	41000	5750	6150	3850	2075	100	750	850	1100	2850	1300	2000	1200	2150	4250	
340	34000	30000	41000	5750	6150	3900	2075	100	750	850	1100	2900	1300	2025	1200	2200	4300	
345	34500	30000	41000	5750	6150	3950	2075	100	750	875	1100	2900	1300	2050	1200	2250	4350	
350	35000	30000	41000	5750	6150	3750	2200	100	750	875	1100	2950	1300	2100	1200	2250	4400	
355	35500	30000	41000	5750	6150	3800	2200	100	750	900	1100	3000	1300	2100	1200	2300	4450	
360	36000	30000	41000	5750	6150	3910	2200	100	750	900	1100	3050	1300	2150	1200	2325	4475	
365	36500	30000	41000	5750	6150	3910	2200	100	750	925	1100	3100	1300	2175	1200	2350	4500	
370	37000	30000	41000	5750	6150	3950	2200	100	800	900	1100	3100	1300	2200	1200	2400	4500	
375	37500	30000	41000	5750	6150	3775	2360	100	800	900	1100	3175	1300	2250	1200	2400	4550	
380	38000	30000	41000	5800	6200	3825	2360	100	800	900	1100	3200	1300	2275	1200	2450	4575	
385	38500	30000	41000	5800	6200	3850	2360	100	800	900	1100	3250	1300	2300	1200	2500	4600	
390	39000	30000	41000	5800	6200	3900	2360	100	800	925	1100	3300	1300	2325	1200	2500	4600	
395	39500	30000	41000	5800	6200	3950	2360	100	800	925	1100	3350	1300	2350	1200	2550	4625	
400	40000	30000	41000	5800	6200	4000	2360	100	800	950	1100	3400	1300	2400	1200	2600	4650	

- 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