

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



Air Washer Unit (Louver+Prefilter+Cooling Pad+ Eliminator+ Fan)

Unit Size	Air Flow			Unit Dimensions				Base Ht.	Outlet Size		Capacity	Water Requirement			Mass (kgs)
	Designed	Min	Max	L ▶	L ▲	W	H	Hb	h ▲	w ▲	of Pump	Recirculation	Evaporative	Bleed off	
	(cfm)	(cfm)	(cfm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(KW)	(LPM)	(LPM)	(LPM)	
40	4000	3000	4100	2550	2600	1600	1150	100	452	452	0.25	40	13.2	2.6	550
50	5000	3800	5200	2600	2700	1470	1475	100	506	506	0.25	49	16.5	3.3	625
60	6000	4800	6500	2700	2800	1620	1475	100	568	568	0.25	59	19.8	4.0	675
70	7000	6100	8200	2800	2950	1925	1475	100	638	638	0.25	69	23.1	4.6	800
80	8000	6100	8200	2800	2950	2075	1475	100	638	638	0.25	79	26.4	5.3	825
90	9000	7600	10300	2900	3050	2225	1475	100	714	714	0.25	89	29.7	5.9	875
100	10000	7600	10300	2900	3050	1925	1780	100	714	714	0.25	99	33.0	6.6	1000
110	11000	9500	12900	3100	3300	2100	1830	100	800	800	0.25	109	36.3	7.3	1100
120	12000	9500	12900	3100	3300	2250	1830	100	800	800	0.25	119	39.6	7.9	1125
130	13000	12000	16300	3250	3400	2400	1830	100	898	898	0.25	129	42.8	8.6	1200
140	14000	12000	16300	3400	3575	2550	1830	100	898	898	0.5	138	46.1	9.2	1300
150	15000	12000	16300	3400	3575	2300	2135	100	898	898	0.5	148	49.4	9.9	1350
160	16000	12000	16300	3400	3575	2450	2135	100	898	898	0.5	158	52.7	10.5	1400
170	17000	15000	20400	3500	3750	2600	2135	100	1006	1006	0.5	168	56.0	11.2	1600
180	18000	15000	20400	3500	3750	2750	2135	100	1006	1006	0.5	178	59.3	11.9	1625
190	19000	15000	20400	3500	3750	2900	2135	100	1006	1006	0.5	188	62.6	12.5	1725
200	20000	15000	20400	3500	3750	2900	2135	100	1006	1006	0.5	198	65.9	13.2	1800
210	21000	19000	25800	3700	3900	3050	2160	100	1130	1130	0.5	208	69.2	13.8	2025
220	22000	19000	25800	3700	3900	2750	2465	100	1130	1130	0.5	218	72.5	14.5	2050
230	23000	19000	25800	3750	4000	2900	2465	100	1130	1130	0.5	227	75.8	15.2	2075
240	24000	19000	25800	3750	4000	2900	2465	100	1130	1130	0.75	237	79.1	15.8	2150
250	25000	19000	25800	3850	4125	3050	2465	100	1130	1130	0.75	247	82.4	16.5	2200
260	26000	24000	32400	3850	4125	3050	2465	100	1266	1266	0.75	257	85.7	17.1	2425
270	27000	24000	32400	3850	4125	3200	2465	100	1266	1266	0.75	267	89.0	17.8	2475
280	28000	24000	32400	3850	4125	3350	2465	100	1266	1266	0.75	277	92.3	18.5	2525
290	29000	24000	32400	3850	4125	3500	2465	100	1266	1266	0.75	287	95.6	19.1	2550
300	30000	24000	32400	3850	4125	3500	2465	100	1266	1266	0.75	297	98.9	19.8	2675
310	31000	24000	32400	3850	4125	3650	2465	100	1266	1266	0.75	307	102.2	20.4	2725
320	32000	24000	32400	3850	4125	3650	2465	100	1266	1266	1	316	105.5	21.1	2775
330	33000	30000	41000	3600	3800	3800	2465	100	1006	1006	1	326	108.8	21.8	3325
340	34000	30000	41000	3600	3800	4000	2465	100	1006	1006	1	336	112.1	22.4	3400

Unit Size	Air Flow			Unit Dimensions				Base Ht.	Outlet Size		Capacity	Water Requirement			Mass (kgs)
	Designed (cfm)	Min (cfm)	Max (cfm)	L ▶ (mm)	L ▲ (mm)	W (mm)	H (mm)	Hb (mm)	h ▲ (mm)	w ▲ (mm)	of Pump (KW)	Recirculation (LPM)	Evaporative (LPM)	Bleed off (LPM)	
350	35000	30000	41000	3600	3800	4000	2465	100	1006	1006	1	346	115.4	23.1	3450
360	36000	30000	41000	3600	3800	3700	2775	100	1006	1006	1	356	118.7	23.7	3500
370	37000	30000	41000	3600	3800	3700	2775	100	1006	1006	1	366	121.9	24.4	3500
380	38000	30000	41000	3600	3800	3800	2775	100	1006	1006	1	376	125.2	25.0	3550
390	39000	30000	41000	3600	3800	3800	2775	100	1006	1006	1	386	128.5	25.7	3625
400	40000	30000	41000	3600	3800	4000	2775	100	1006	1006	1	396	131.8	26.4	3675

- Notes:
1. Weight data is approximate and including filter, 8" cooling pad, Eliminator, Motor and Fan.
 2. Dimensions are approximate and subject to change due to regular design upgradations.
 3. Face Velocity across components as given below.
 - Fan - Minimum - 6.5 mps
 - Fan - Maximum - 9.5 mps
 - Cooling pad - Air Side - 2.5 mps
 - Filter - Air Side - 2.5 mps