

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



Vertical Floor Mounted AHU - Pre Filter, Cooling Coil, Fan

| Unit Size | Air Flow | | | fan | motor | Unit Dimension | | | Base | Cooler | | | | Filter Dimensions | | | Outlet size | | Mass |
|-----------|--------------|---------|---------|---------|-------|----------------|--------|-------|------|--------|------|------|------|-------------------|------|------|-------------|------|------|
| | Designed cfm | Min cfm | Max cfm | | | L | W | H | Hb | Area | h | x | w | W | H | Qty | H | W | Kg |
| | | | | mm | mm | mm | Height | (sft) | (mm) | x | (mm) | (mm) | (mm) | (Nos.) | (mm) | (mm) | | | |
| 8 | 800 | 750 | 1175 | 7x7 | 0.55 | 625 | 875 | 950 | 100 | 1.6 | 318 | x | 468 | 406 | 403 | 2 | 228 | 259 | 110 |
| 12 | 1200 | 900 | 1225 | 9x7 | 0.55 | 700 | 1000 | 1000 | 100 | 2.4 | 318 | x | 702 | 468 | 403 | 2 | 262 | 232 | 125 |
| 16 | 1600 | 1225 | 1600 | 9x9 | 0.75 | 700 | 975 | 1030 | 100 | 3.2 | 445 | x | 668 | 456 | 530 | 2 | 262 | 298 | 135 |
| 20 | 2000 | 1650 | 2125 | 12x9 | 0.75 | 800 | 1125 | 1275 | 100 | 4.0 | 445 | x | 835 | 531 | 530 | 2 | 341 | 309 | 150 |
| 25 | 2500 | 2450 | 2725 | 12x12 | 1.1 | 800 | 1200 | 1325 | 100 | 5.0 | 508 | x | 914 | 568 | 593 | 2 | 341 | 395 | 160 |
| 30 | 3000 | 2450 | 3150 | 9x9x2 | 1.5 | 700 | 1575 | 1130 | 100 | 6.0 | 445 | x | 1253 | 503 | 530 | 3 | 262 | 840 | 180 |
| 35 | 3500 | 3300 | 4250 | 12x9x2 | 1.5 | 800 | 1750 | 1275 | 100 | 7.0 | 445 | x | 1461 | 561 | 530 | 3 | 341 | 862 | 200 |
| 40 | 4000 | 3300 | 4250 | 12x9x2 | 2.2 | 800 | 1750 | 1325 | 100 | 8.0 | 508 | x | 1463 | 561 | 593 | 3 | 341 | 862 | 225 |
| 45 | 4500 | 4500 | 6050 | 15x11x2 | 2.2 | 875 | 1950 | 1425 | 100 | 9.0 | 508 | x | 1646 | 463 | 593 | 4 | 404 | 1040 | 250 |
| 50 | 5000 | 4500 | 6050 | 15x11x2 | 2.2 | 875 | 1925 | 1475 | 100 | 10.0 | 572 | x | 1624 | 457 | 657 | 4 | 404 | 1040 | 260 |
| 55 | 5500 | 4500 | 6050 | 15x11x2 | 2.2 | 875 | 1900 | 1550 | 100 | 11.0 | 635 | x | 1609 | 451 | 720 | 4 | 404 | 1040 | 270 |
| 60 | 6000 | 4500 | 6050 | 15x11x2 | 2.2 | 875 | 1900 | 1600 | 100 | 12.0 | 699 | x | 1596 | 451 | 384 | 8 | 404 | 1040 | 280 |
| 65 | 6500 | 5600 | 7700 | 15x15x2 | 3.7 | 875 | 2200 | 1550 | 100 | 13.0 | 635 | x | 1902 | 526 | 353 | 8 | 404 | 1326 | 325 |
| 70 | 7000 | 5600 | 7700 | 15x15x2 | 3.7 | 925 | 2375 | 1600 | 100 | 14.0 | 635 | x | 2048 | 554 | 353 | 8 | 404 | 1326 | 350 |
| 75 | 7500 | 5600 | 7700 | 15x15x2 | 3.7 | 925 | 2325 | 1650 | 100 | 15.0 | 699 | x | 1995 | 542 | 384 | 8 | 404 | 1326 | 375 |
| 80 | 8000 | 6300 | 8500 | 18x13x2 | 3.7 | 1050 | 2275 | 1850 | 100 | 16.0 | 762 | x | 1951 | 529 | 416 | 8 | 478 | 1203 | 400 |
| 85 | 8500 | 6300 | 8500 | 18x13x2 | 3.7 | 1050 | 2400 | 1850 | 100 | 17.0 | 762 | x | 2073 | 561 | 416 | 8 | 478 | 1203 | 425 |
| 90 | 9000 | 9000 | 10700 | 18x18x2 | 5.5 | 1050 | 2550 | 1850 | 100 | 18.0 | 762 | x | 2195 | 598 | 416 | 8 | 478 | 1572 | 450 |
| 95 | 9500 | 9000 | 10700 | 18x18x2 | 5.5 | 1050 | 2550 | 1900 | 100 | 19.0 | 825 | x | 2140 | 598 | 448 | 8 | 478 | 1572 | 475 |
| 100 | 10000 | 9000 | 10700 | 18x18x2 | 5.5 | 1050 | 2600 | 1900 | 100 | 20.0 | 825 | x | 2252 | 611 | 448 | 8 | 478 | 1572 | 600 |
| 110 | 11000 | 10700 | 13000 | 450x2 | 5.5 | 1075 | 2650 | 2050 | 100 | 22.0 | 889 | x | 2299 | 413 | 480 | 12 | 568 | 1586 | 650 |
| 120 | 12000 | 10700 | 13000 | 450x2 | 5.5 | 1075 | 2850 | 2050 | 100 | 24.0 | 889 | x | 2508 | 446 | 480 | 12 | 568 | 1586 | 675 |
| 130 | 13000 | 10700 | 13000 | 450x2 | 5.5 | 1075 | 3050 | 2050 | 100 | 26.0 | 889 | x | 2717 | 479 | 480 | 12 | 568 | 1586 | 700 |
| 140 | 14000 | 12800 | 16500 | 500x2 | 5.5 | 1150 | 3100 | 2200 | 100 | 28.0 | 953 | x | 2730 | 488 | 512 | 12 | 638 | 1776 | 800 |
| 150 | 15000 | 12800 | 16500 | 500x2 | 7.5 | 1150 | 3275 | 2200 | 100 | 30.0 | 953 | x | 2925 | 517 | 512 | 12 | 638 | 1776 | 850 |

- Notes: 1. Weight data is approximate and including 50mm Panel filter, 4 RD coil Motor and Fan.
 2. Dimensions are approximate and subject to change due to regular design upgradations.
 3. Height is without base. 100mm base height to be added to get the total height.
 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 (Maximum)