AWTH SERIES MODULAR AIR HANDING UNIT

AirWellTech
艾瑞维特

Product Overview



The AWTH series air handling units adopt standard modular design with simple structure and flexible combination. The air volume ranges from 1,000 to 400,000 m³/h. Optional functional sections include fresh air & return air mixing section, cooling coil section, heating coil section, primary, medium and high-efficiency filter sections, electric heating section, humidification section, resistive silencer section, heat recovery section, secondary return air section, fan section and air equalizing section. Combinations of different functional sections can meet various air treatment requirements.

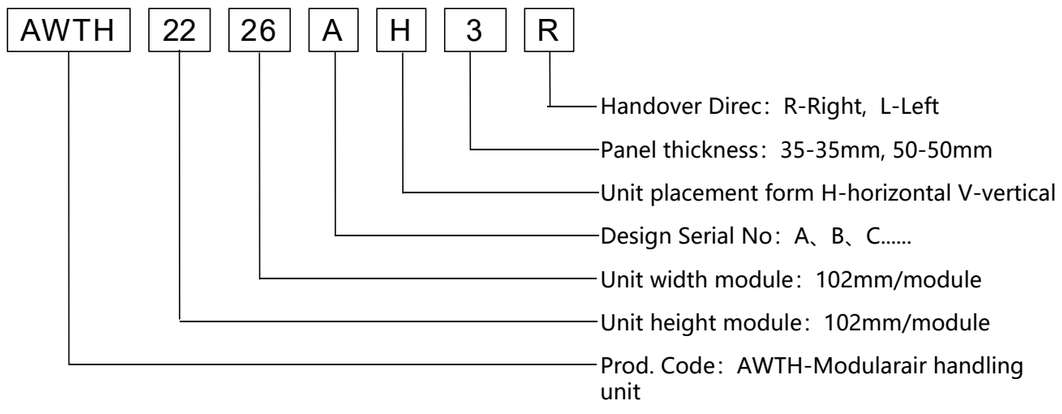
Features

Modular spliced structure with freely selectable functional sections.
Insulated cabinet with cold-bridge prevention and excellent air tightness.
Integrated multiple air treatment functions including filtration, cooling, heating, humidification, noise attenuation and heat recovery.

Application

Widely applicable to spaces requiring centralized air treatment such as shopping malls, hotels and office buildings, as well as clean air conditioning scenarios including hospital operating rooms, pharmaceutical workshops, IC cleanrooms and precision instrument manufacturing plants.

Model description



Specifications

Model	Coil windward area	Air volume (m³/h)			Unit dimension (mm)				Fresh air condition (100% fresh air) Dry bulb Temp. 34°C Relative humidity 64%		Mixed air condition (30% fresh air) Dry bulb Temp. 29.1°C Relative humidity 56%	
AWTH	Area (m²)	Face velocity			35mm thickness		50mm thickness		4-row chilled water coil		4-row chilled water coil	
		2.5m/s	2.75m/s	3.0m/s	H	W	H	W	Cooling capacity	Water flow	Cooling capacity	Water flow
0607	0.25	2231	2454	2677	700	802	730	832	26.1	4.42	15.0	2.51
0708	0.34	3035	3338	3642	802	904	832	934	36.8	6.28	21.7	3.63
0710	0.45	4084	4492	4901	802	1108	832	1138	45.6	7.77	31.3	5.23
0810	0.55	4991	5491	5990	904	1108	934	1138	55.7	9.49	38.3	6.40
0911	0.68	6145	6759	7374	1006	1210	1036	1240	70.7	10.06	48.1	8.05
1011	0.80	7169	7886	8603	1108	1210	1138	1240	82.5	14.07	56.1	9.41
1111	0.91	8193	9012	9832	1210	1210	1240	1240	94.3	16.08	64.2	10.75
1213	1.19	10687	11756	12824	1312	1414	1342	1444	128.3	21.94	72.3	12.52
1316	1.70	15267	16794	18320	1414	1720	1444	1750	189.3	31.59	114.3	19.11
1319	2.07	18590	20449	22308	1414	2026	1444	2056	236.2	39.52	144.6	24.26
1420	2.30	20734	22807	24881	1516	2128	1546	2158	265.2	44.39	162.9	27.36
1619	2.50	22503	24754	27004	1720	2026	1750	2056	286.0	47.82	174.6	29.05
1719	2.72	24460	26906	29352	1822	2026	1852	2056	310.8	51.99	190.3	31.92
1723	3.37	30290	33318	36347	1822	2434	1852	2464	393.3	65.93	240.5	38.74
1922	3.59	32292	35521	38750	2026	2332	2056	2362	387.6	69.94	244.4	41.00
2025	4.28	38517	42368	46220	2128	2638	2158	2668	389.4	84.59	297.1	49.92
2125	4.57	41173	45290	49408	2230	2638	2260	2668	523.2	90.42	317.6	53.36
2226	5.08	45753	50328	54904	2332	2740	2362	2770	585.0	100.88	354.7	59.64
2229	5.72	51524	56677	61829	2332	3046	2362	3076	669.2	114.70	404.8	68.17
2232	6.37	57295	63025	68754	2332	3352	2362	3382	726.9	128.67	441.7	76.72

Note:

- The unit height H excludes the base height.
- Due to a wide range of models, this catalog only provides quick selection data for some commonly used models.
- Chilled water supply/return temperature: 7°C / 12°C; coil face air velocity: 2.5 m/s.
- All parameters above are for reference only. Changes in working conditions and differences in coil circuit layout will result in varying cooling capacities. Please contact our company for detailed specifications.
- Product specifications and parameters are subject to change without prior notice for product improvement purposes.