AIR HANDLING UNITS

YAH

YORK
BY JOHNSON CONTROLS

Johnson Controls

On the cover
Integrated professional services designed for your unique business need.

We care about your business and understand that each business has its unique requirements. Our all-encompassing maintenance package is tailor-made to fit your every financial and technical need. It covers from planned routine equipment inspections and predictive maintenance routines to system performance checks and annual shutdowns.

Air Handing Units YAH Series

YORK YAH series ceiling-mounted air handling units are terminal points of central air-conditioning systems. They are designed for fresh air units or to cool, heat, humidify and de-humidify, filter and clean the air, etc. The conditioned air can be delivered to locations across various distances via specially designed ducts. The units are especially suitable for the air-conditioning of commercial buildings and industry applications.

YORK YAH series air handling units have 10 different models. The cooling capacity ranges from 8kW to 252kW, and air flow from 1500m³/h to 15000m³/h.
Rated external total pressure ranges from 180 to 340 Pa. More external total pressure can be provided for flexible application.

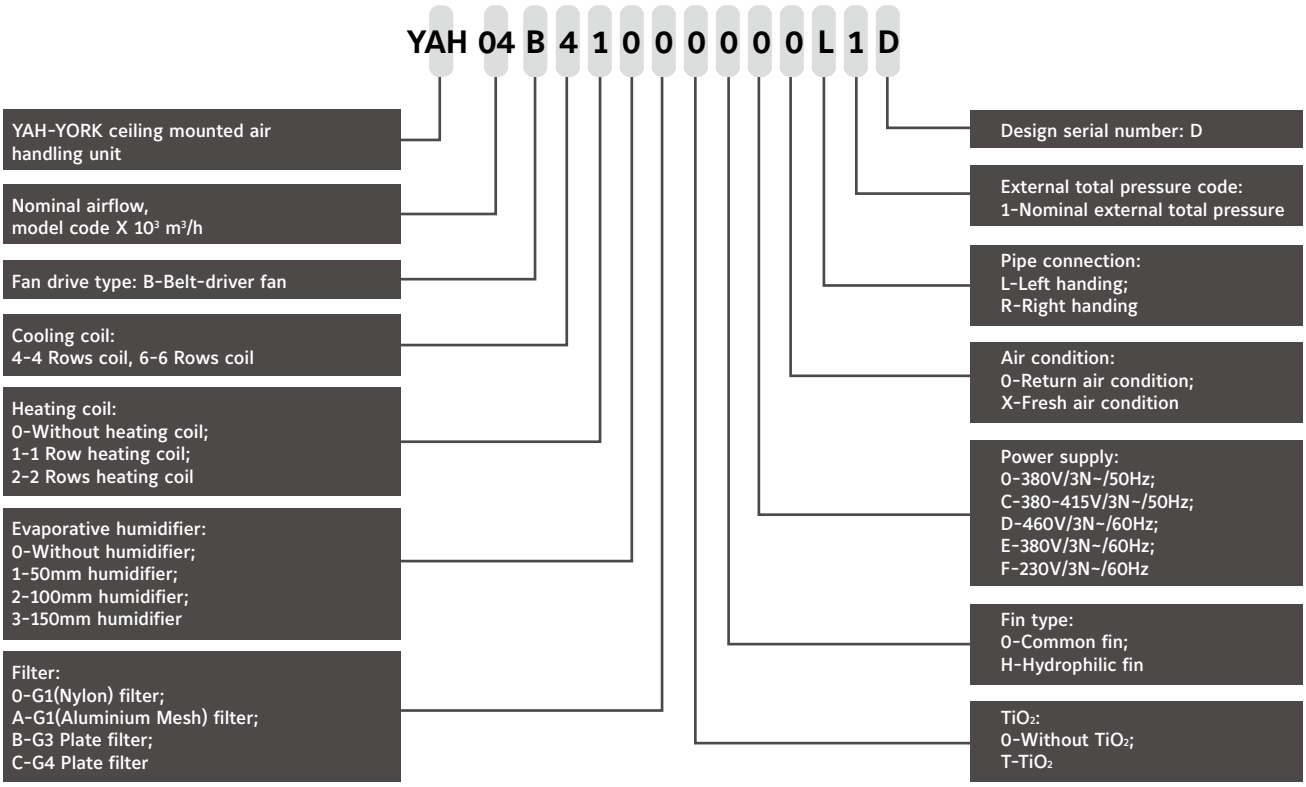
Each unit is made from galvanized steel with 15mm thick fiberglass inner insulation. It contains a built-in cooling coil and fan, and externally mounted nylon air filters.

Cooling and heating coil use copper tubes with corrugated fins. The fan, motor and belt pulley are all high-quality products producing stable and efficient performance. The fan is a forward curved centrifugal model that works on double air inlets. The motor features IP55 and a type F insulation with self-lubricating bearings. The externally mounted filter can be withdrawn from side or bottom.

Feature

- Easy installation
- Lower unit height for low head floor ceiling application
- Low noise
- Filter can be withdrawn from side or bottom

Nomenclature



Specifications

Main Technical Data

Model	Airflow m³/h	Nominal external total pressure(Pa)		Nominal cooling capacity(kW)				Nominal heating capacity(kW)				Fan type	Motor type	Motor power (kW)	Dimensions(mm)			Weight(kg)	
		4 rows	6 rows	Return air condition		Fresh air condition		Return air condition		Fresh air condition					L	W	H	4 rows	6 rows
				4 rows	6 rows	4 rows	6 rows	4 rows	6 rows	4 rows	6 rows								
YAH1.5B	1500	235	180	8.2	11.5	18.5	24.2	13.5	16.6	19.3	23.0	High efficient, double air inlets forward curved	3-Ø asynchronous motor, F class insulation, IP55	0.55	860	850	417	90	94
YAH02B	2000	250	200	11.5	15.1	24.4	31.7	17.7	21.4	24.9	29.8			0.55	860	935	417	97	103
YAH03B	3000	255	200	17.4	22.6	36.1	47.4	27.4	33.3	41.0	46.8			1.1	860	1360	417	132	140
YAH04B	4000	230	170	22.5	30.7	50.5	65.0	37.4	46.0	49.5	57.0			1.1	860	1600	417	155	165
YAH05B	5000	305	250	27.8	38.6	63.1	80.1	46.9	57.8	60.5	69.6			1.5	940	1500	508	171	183
YAH06B	6000	320	265	34.1	44.1	69.4	99.6	58.1	63.2	69.1	85.4			2.2	940	1750	508	193	208
YAH08B	8000	335	275	47.1	60.2	96.7	134.0	82.5	94.6	106.4	130.1			3	980	2250	508	237	256
YAH10B	10000	340	280	59.0	78.0	124.9	170.0	101.5	118.7	139.3	161.9			3	1100	1850	736	264	292
YAH12B	12000	330	275	73.1	88.9	147.3	198.8	125.1	140.7	163.5	191.3			3	1150	2150	736	321	355
YAH15B	15000	335	275	94.8	115.3	191.7	252.2	157.8	177.2	207.0	240.4			4	1170	2625	736	377	419

Notes:

1. The weight listed in the table is the shipping weight. The operation weight of unit is about 20% more than the shipping weight.
2. Standard return air cooling conditions: air inlet at 27°C DB/19.5WB;chilled water inlet/outlet at 7°C/12°C.
3. Standard return air heating conditions:air inlet at 21°CDB;hot water inlet/outlet at 60°C/50°C.
4. Cooling conditions of fresh air unit: air inlet at 35°C DB/28°C WB; chilled water inlet/outlet at 7°C/12°C.
5. Heating conditions of fresh air unit: air inlet at 7°C DB; hot water inlet/outlet at 60°C/50°C.
6. External total pressure: the sum of velocity pressure and static pressure at the air discharge outlet (exclude the pressure drop across the unit)
7. For four-piped unit, heating coil is in the front of the cooling coil in the direction of air flow.
8. If the unit has TiO_2, evaporative humidifier or split coil (cooling+heating) option, the external total pressure should be deducted by the responding air drop pressure.

The unit performance is based on 5m altitude, the variance of altitude will affect the unit performance.

Altitude correction factors

Altitude(m)	300	900	1200	1500	1800
Total heat	0.99	0.97	0.96	0.94	0.93
Sensible heat	0.96	0.90	0.86	0.83	0.80

Note: The above is only for reference. Please contact our local office for detailed data.

Specifications

YAH-D Evaporative Humidifier Performance

Model	Airflow (m^3/h)	Air pressure drop(Pa)			Fresh air humidification (kg/h)			Mixed air humidification (kg/h)			Weight (kg)		
		Depth 50 mm	Depth 100 mm	Depth 150 mm	Depth 50 mm	Depth 100 mm	Depth 150 mm	Depth 50 mm	Depth 100 mm	Depth 150 mm	Depth 50 mm	Depth 100 mm	Depth 150 mm
YAH1.5B	1500	24	42	60	3	6	8	3	5	6	2	4	5
YAH02B	2000	23	40	57	4	8	10	4	7	8	3	5	7
YAH03B	3000	24	42	60	6	12	15	5	10	12	4	7	10
YAH04B	4000	24	41	59	8	16	20	7	13	16	5	9	14
YAH05B	5000	24	42	60	10	19	24	8	16	20	6	12	17
YAH06B	6000	24	42	60	12	23	29	10	19	24	7	14	20
YAH08B	8000	24	42	60	16	30	38	13	25	31	9	18	27
YAH10B	10000	25	44	62	20	37	47	16	30	39	11	22	33
YAH12B	12000	26	44	63	23	44	56	19	36	46	13	26	39
YAH15B	15000	25	44	63	29	55	70	24	45	57	17	33	49

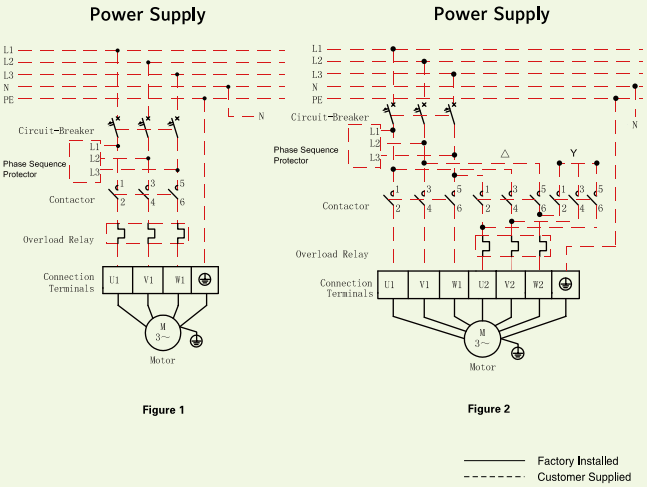
Notes:

1. The evaporative humidification is an isenthalpic process, which is only suitable for comfort air-conditioning, and not suitable for the applications where high precision of humidity control is required.
2. When the unit is equipped with a evaporative humidifier. The external static pressure of unit should be deducted by air pressure drop across the humidifier.
3. Fresh air humidification conditions: 28°C DB; 10% RH. Face velocity less than 3.0m/s.
4. Mixed air (fresh air ratio at 20-30%) humidification condition: 28°C DB; 25% RH. Face velocity less than 3.0m/s.
5. The above net weight includes the weight of evaporative humidifier, stainless steel frame and water distribution box; the operation weight of the evaporative humidifier is about 150% more than the unit.
6. The face velocity of direct feeding evaporative humidifier is the same as those of coils.

Electric Wiring Diagrams

Electric Connection:

1. The direct start schematic diagram (Fig. 1) is for motor up to 5.5 kW. The Y-Δ start schematic (Fig. 2) for motors more than 7.5kW.
2. The dashed lines is provided by customer and it should be connected according to Fig. 1 or Fig. 2. Please ensure that all connections are tightened.
3. All electric connections should comply with local electric installation codes.
4. The ground terminal of the unit must be connected to the ground terminal in the control panel.
5. Customer should connect the power and control devices and supply short-circuit and over heat protection.



Notes for placing an order:

1. The motor power is 380V/3N~/50Hz, 380-415V/3N~/50Hz, 460V/3N~/60Hz, 380V/3N~/60Hz or 230V/3N~/60Hz, 4 wires.
2. The unit is equipped with plate type pre-filters at the return air intake.
3. When placing an order, the pipe direction (left connection or right) should be noticed (note: facing the return air intake, it is the right if the inlet/outlet water pipes are on the right side of unit; vice versa).
4. The airflow rate and total pressure should be noticed when placing an order.
5. If starter is required, it should be noticed when placing an order (an option).

Specifications

Main Technical Data

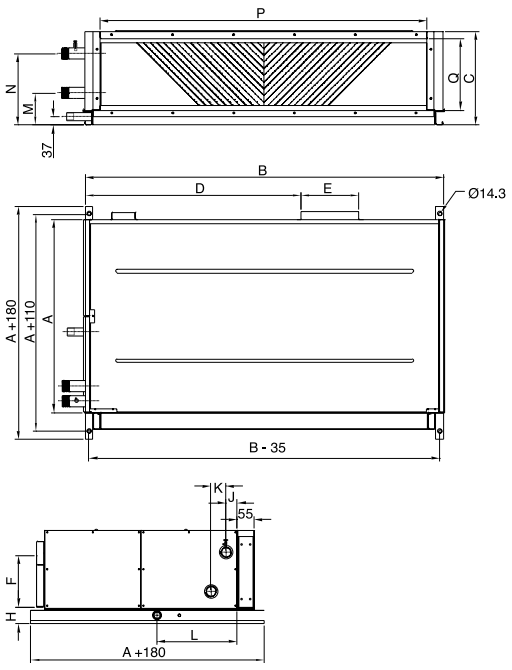
Model	Airflow m³/h	L	W	H	Supply air flange size					Piping position					Return air flange size			Coil piping(Connection diameter)			
		A	B	C	D	E	F	G	H	J	K			L	M	N	P	Q	R			
											Return air 4 rows	Fresh air 4 rows	6 rows						Return air 4 rows	Return air 6 rows	Fresh air 4 rows	Fresh air 6 rows
YAH1.5B	1500	860	850	417	410	259	228	-	73	53	66	66	110	400	144	319	710	320	Ø34	Ø34	Ø34	Ø34
YAH02B	2000	860	935	417	410	259	228	-	73	53	66	66	110	400	144	319	795	320	Ø34	Ø34	Ø34	Ø48
YAH03B	3000	860	1360	417	470	259	228	184	73	53	66	66	110	400	144	319	1220	320	Ø34	Ø48	Ø48	Ø48
YAH04B	4000	860	1600	417	520	259	228	184	73	53	66	66	110	400	144	319	1460	320	Ø48	Ø48	Ø48	Ø48
YAH05B	5000	940	1500	508	580	232	262	184	107	63	66	66	110	400	144	420	1360	411	Ø48	Ø48	Ø48	Ø60
YAH06B	6000	940	1750	508	551	232	262	184	107	63	66	88	110	400	144	420	1610	411	Ø48	Ø60	Ø60	Ø60
YAH08B	8000	980	2250	508	705	298	262	244	107	63	66	88	110	400	144	420	2110	411	Ø48	Ø60	Ø60	Ø60
YAH10B	10000	1100	1850	736	690	471	404	-	112	77	83	110	138	441	145	641	1710	639	Ø60	Ø76	Ø76	Ø89
YAH12B	12000	1150	2150	736	680	373	404	294	112	77	83	110	138	441	145	641	2010	639	Ø60	Ø76	Ø76	Ø89
YAH15B	15000	1170	2625	736	793	373	404	294	112	77	83	110	138	441	145	641	2485	639	Ø60	Ø76	Ø76	Ø89

Notes:

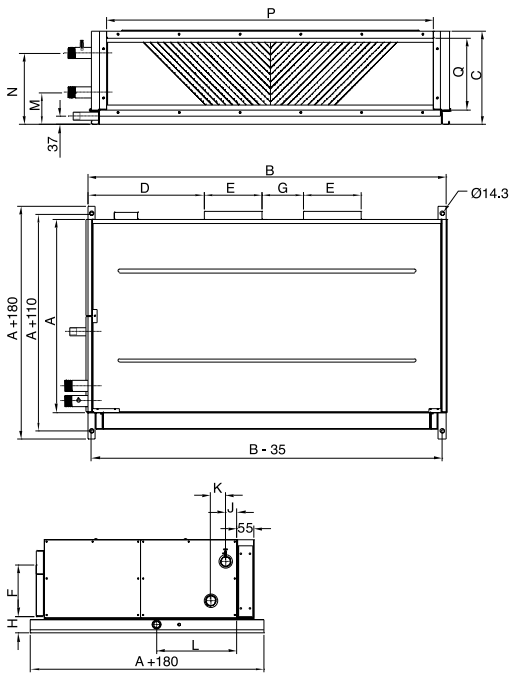
1. When G is"-", the unit has only one air supply duct connection.
2. The coil pipe connections use male threads(thread code R₂),
   the corresponding imperial diameters are:
   34mm---1" 42mm---1-1/4" 48mm---1-1/2"
   60mm---2" 76mm---2-1/2" 89mm---3"
3. The condensate pipe connections use 34mm O.D. male threads(thread code R₂).
4. All dimensions are SI unit(mm).

Unit Drawings

YAH 1.5/02/10



YAH 03-08/12/15



Note: The above applies to left hand unit.

Options

Industry leading technology - Nano-TiO_2 healthy air sterilizer (optional)

Johnson Controls is committed to providing comfortable and healthy living and working environment for all our customers. Whilst caring and safeguarding the natural environment outside. With indoor air quality becoming a crucial global health concern, our unique nano-TiO_2 healthy air sterilisation technology, can help remove almost all airborne germs and pathogens, ensuring healthy and fresh indoor air supplies.

By oxidising and decomposing the harmful substances in the air, YORK Nano-TiO_2 healthy sterilisation technology, kills airborne germs, eliminates odors, and removes microbes and other harmful particles safely and efficiently.

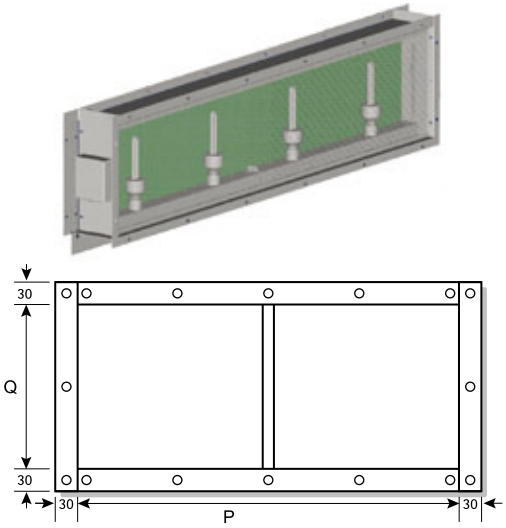
- Biological pollutant - e.g. bacteria and germs
- Organic pollutant - volatile organic compounds (VOCs)
  e.g. formaldehyde, benzene
- Molds, fungi
- Inorganic gaseous pollutant - e.g. NOx, SOx
- Smoke and offensive odors

Nano-TiO_2 healthy air sterilisation technology contains the following features:

- YORK is the first brand in the industry to apply Nano-grade TiO_2 technology to fan coils, residential and commercial central air conditioners, and residential split units.
- Nano-grade TiO_2 has been recognised in 125 countries and is patent-pending
- TiO_2 photo-catalysis not only filters bacteria but also kills them
- The ultraviolet light (UVA) in Nano-TiO_2 Healthy Air Steriliser is designed to be durable, lasting up to 10,000 hours
- The technology was tested by the following institutes and organisations:
  - The Hong Kong Polytechnic University, Report No. P04-0521
  - The Productivity Council of Hong Kong, Report No. 4101-40014285
  - The Detection Centre of Microbiology, Guangzhou, PRC, Report No. FM0644

If the Nano-grade TiO_2 sterliser is ordered by customers, it will be installed on the YAH unit by the manufacturer prior to shipping.

TiO_2 Healthy Air Sterilizer 1



Model	TiO_2 Model	Connection frame No.	Connection flange dimension		Lamp input power(W)
			P	Q	
YAH1.5	TiO_2 YAH1.5	1	710	320	3 x 18
YAH02	TiO_2 YAH02	1	795	320	3 x 18
YAH03	TiO_2 YAH03	1	1220	320	4 x 18
YAH04	TiO_2 YAH04	1	1460	320	4 x 18
YAH05	TiO_2 YAH05	1	1360	411	4 x 18
YAH06	TiO_2 YAH06	1	1610	411	6 x 18
YAH08	TiO_2 YAH08	1	2110	411	9 x 18
YAH10	TiO_2 YAH10	1	1710	639	12 x 18
YAH12	TiO_2 YAH12	1	2010	639	12 x 18
YAH15	TiO_2 YAH15	1	2485	639	18 x 18

1. Power of ultraviolet lamp is 220V ~/50Hz or 220V ~/60Hz. Do not stare at the ultraviolet lamp for long time to prevent eye injury.
2. The relevant wiring of interlock control between sterilizer and YAH unit should be supplied by customer, i.e. the sterilizer starts when the indoor fan turns on; and the sterilizer stops when the indoor fan turns off.

Cooling Capacity Table

Model	Airflow m³/h	Rows of coil	Inlet water Temp. (°C)	Air inlet Temperature (Dry Bulb/Wet Bulb)												Full fresh air			
				26°C/20°C				27°C/19.5°C				29°C/22°C				35°C/28°C			
				Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)
YAH1.5	1500	4	5	11.0	6.6	0.53	27.3	10.2	7.0	0.48	23.8	13.6	7.7	0.65	37.0	20.4	8.8	0.96	60.6
			6	10.0	6.2	0.48	23.4	9.2	6.5	0.44	20.3	12.6	7.3	0.61	32.2	19.5	8.5	0.93	56.7
			7	8.8	5.7	0.42	19.1	8.2	6.1	0.38	17.0	11.6	6.9	0.55	27.7	18.5	8.2	0.88	51.0
			8	7.8	5.3	0.37	15.8	7.3	5.7	0.35	14.3	10.6	6.5	0.51	24.2	17.5	7.8	0.83	45.7
			9	6.8	4.8	0.33	12.8	6.5	5.3	0.31	11.8	9.6	6.1	0.47	21.5	16.6	7.5	0.80	42.2
		6	5	14.4	8.3	0.69	66.0	13.6	8.8	0.65	58.0	17.3	9.6	0.82	89.4	26.5	11.5	1.26	54.3
			6	13.3	7.8	0.63	55.2	12.6	8.3	0.60	50.2	16.3	9.1	0.77	79.9	25.3	11.1	1.20	50.1
			7	12.2	7.4	0.58	47.7	11.5	7.8	0.55	43.0	15.2	8.7	0.72	70.9	24.2	10.7	1.15	46.0
			8	11.0	6.9	0.52	39.7	10.3	7.3	0.49	37.6	14.0	8.2	0.66	59.8	23.0	10.2	1.10	42.1
			9	9.9	6.4	0.47	35.4	9.2	6.8	0.44	32.1	12.9	7.7	0.62	52.0	21.8	9.8	1.04	38.3
YAH02	2000	4	5	14.6	8.6	0.69	51.1	13.9	9.2	0.66	47.2	17.8	9.9	0.83	72.1	26.9	11.6	1.29	78.2
			6	13.4	8.1	0.63	43.4	12.7	8.7	0.61	39.8	16.6	9.5	0.79	65.2	25.7	11.2	1.23	70.9
			7	12.2	7.6	0.58	36.3	11.5	8.1	0.55	33.0	15.4	9.0	0.73	56.5	24.4	10.7	1.16	64.0
			8	11.0	7.1	0.52	29.8	10.3	7.6	0.49	26.8	14.2	8.5	0.68	48.5	23.1	10.3	1.10	57.4
			9	9.7	6.6	0.46	24.5	9.2	7.2	0.44	23.3	12.9	8.0	0.62	41.0	21.8	9.9	1.03	51.2
		6	5	19.2	11.1	0.90	39.1	18.1	11.7	0.86	36.1	23.2	12.8	1.09	55.3	34.6	15.1	1.66	53.0
			6	17.8	10.5	0.86	35.3	16.6	11.1	0.79	32.0	21.8	12.3	1.05	50.8	33.2	14.5	1.59	48.9
			7	16.3	9.8	0.79	31.3	15.1	10.3	0.72	27.0	20.3	11.6	0.97	44.5	31.7	13.9	1.52	45.0
			8	14.5	9.1	0.69	25.5	13.6	9.7	0.64	22.7	18.8	11.0	0.90	38.5	30.0	13.3	1.42	39.5
			9	12.9	8.4	0.62	21.3	12.0	9.0	0.57	18.7	17.1	10.3	0.81	31.4	28.5	12.8	1.35	36.0
YAH03	3000	4	5	22.1	13.0	1.05	130.2	21.0	13.9	1.01	121.3	26.8	15.0	1.28	188.1	39.8	17.2	1.88	95.1
			6	20.4	12.2	0.97	112.6	19.1	13.1	0.91	100.4	25.1	14.3	1.20	167.0	38.0	16.6	1.81	88.9
			7	18.6	11.5	0.89	96.3	17.4	12.3	0.83	85.0	23.3	13.6	1.12	147.1	36.1	15.9	1.72	80.0
			8	16.7	10.7	0.79	77.7	15.6	11.5	0.73	67.5	21.3	12.8	1.01	119.9	34.2	15.3	1.62	71.6
			9	14.7	9.9	0.70	61.0	13.9	10.8	0.66	55.0	19.5	12.1	0.93	103.1	32.3	14.7	1.56	66.2
		6	5	28.5	16.5	1.35	90.2	27.0	17.4	1.28	82.6	34.4	19.1	1.63	127.6	51.9	22.6	2.47	79.2
			6	26.4	15.5	1.25	78.7	24.9	16.5	1.19	71.6	32.3	18.1	1.54	114.0	49.7	21.7	2.37	73.0
			7	24.2	14.6	1.16	68.0	22.6	15.4	1.07	59.0	30.2	17.2	1.44	101.1	47.4	20.9	2.26	67.0
			8	21.8	13.6	1.03	55.8	20.5	14.5	0.97	51.2	27.8	16.2	1.31	85.3	45.1	20.0	2.16	61.3
			9	19.6	12.6	0.94	48.2	18.3	13.6	0.88	42.2	25.6	15.3	1.22	74.2	42.7	19.2	2.06	55.8
YAH04	4000	4	5	28.9	17.0	1.39	50.4	27.2	18.1	1.30	44.7	35.1	19.7	1.67	71.3	55.4	23.8	2.62	126.7
			6	26.5	16.0	1.27	42.8	24.8	17.1	1.18	37.6	32.7	18.7	1.56	62.3	53.1	23.0	2.55	120.6
			7	24.1	15.0	1.15	35.8	22.5	16.0	1.07	31.0	30.3	17.7	1.45	53.8	50.5	22.1	2.42	109.0
			8	21.6	14.0	1.04	29.4	20.2	15.0	0.95	25.3	27.9	16.8	1.33	46.0	47.9	21.2	2.29	98.0
			9	19.2	13.0	0.92	23.9	18.1	14.1	0.86	21.7	25.4	15.8	1.21	38.8	45.3	20.3	2.16	87.6
		6	5	38.3	22.0	1.83	114.1	36.2	23.2	1.71	100.3	45.9	25.3	2.20	159.5	71.1	30.8	3.38	108.1
			6	35.6	20.8	1.71	100.1	33.5	21.9	1.58	87.2	43.2	24.1	2.07	143.0	68.2	29.7	3.28	101.8
			7	32.7	19.5	1.56	84.0	30.7	20.7	1.46	75.0	40.4	22.9	1.92	123.7	65.0	28.5	3.07	90.0
			8	29.7	18.2	1.40	69.2	27.9	19.4	1.34	63.7	37.4	21.6	1.77	105.8	62.1	27.4	2.97	84.3
			9	26.7	17.0	1.28	58.3	25.0	18.1	1.19	50.9	34.5	20.4	1.64	92.5	58.9	26.3	2.82	76.1
YAH05	5000	4	5	35.8	21.2	1.71	46.5	33.6	22.5	1.59	40.8	43.7	24.6	2.10	67.8	69.3	29.8	3.27	163.6
			6	32.7	19.9	1.55	38.9	30.8	21.3	1.48	35.4	40.7	23.3	1.94	58.6	66.4	28.8	3.18	155.1
			7	29.6	18.6	1.40	31.9	27.8	19.9	1.32	29.0	37.6	22.1	1.78	50.1	63.1	27.7	3.00	139.0
			8	26.7	17.4	1.28	27.4	25.1	18.8	1.20	24.9	34.4	20.9	1.63	42.2	59.8	26.6	2.83	123.8
			9	23.4	16.1	1.13	21.8	22.0	17.5	1.05	19.0	31.2	19.6	1.48	34.9	56.5	25.5	2.70	112.9
		6	5	48.4	27.9	2.32	113.3	45.7	29.3	2.16	98.7	58.0	32.0	2.74	153.3	87.7	38.1	4.21	122.7
			6	44.9	26.3	2.16	98.4	42.2	27.7	1.99	84.8	54.5	30.5	2.57	136.0	83.9	36.6	4.01	111.6
			7	41.1	24.6	1.95	81.4	38.6	26.1	1.82	72.0	50.9	28.9	2.41	119.8	80.1	35.2	3.80	101.0
			8	37.4	23.1	1.79	68.9	35.0	24.4	1.66	60.2	47.2	27.4	2.24	104.6	76.4	33.8	3.67	94.2
			9	33.7	21.5	1.62	57.3	31.5	22.9	1.49	49.5	43.5	25.9	2.07	90.5	72.4	32.4	3.47	84.5

Note: The temperature difference of inlet/outlet water is 5°C

Model	Airflow m^3/h	Rows of coil	Inlet water Temp. (°C)	Air inlet Temperature (Dry Bulb/Wet Bulb)												Full fresh air			
				26°C/20°C				27°C/19.5°C				29°C/22°C				35°C/28°C			
				Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Sensible heat (kW)	Water flow (L/s)	Water pressure drop (kPa)
YAH06	6000	4	5	43.6	25.6	2.07	70.6	41.1	27.3	1.95	63.4	53.0	29.6	2.53	102.2	76.8	33.5	3.67	32.7
			6	40.2	24.1	1.91	61.0	37.7	25.8	1.80	54.3	49.5	28.2	2.38	90.7	73.2	32.3	3.50	29.8
			7	36.7	22.7	1.76	52.1	34.1	24.1	1.61	44.0	45.9	26.7	2.18	77.3	69.4	31.0	3.32	27.0
			8	32.9	21.2	1.57	42.0	30.8	22.7	1.46	36.5	42.1	25.2	2.00	65.0	65.6	29.8	3.15	24.3
			9	29.1	19.6	1.38	32.9	27.5	21.3	1.30	29.6	38.5	23.8	1.84	55.9	61.8	28.5	2.97	21.8
		6	5	55.6	32.2	2.63	61.5	52.6	34.0	2.51	56.3	67.1	37.2	3.19	87.0	108.6	47.1	5.13	165.9
			6	51.4	30.3	2.45	53.6	48.5	32.2	2.33	48.8	63.0	35.4	3.00	77.7	104.4	45.4	4.99	157.3
			7	47.2	28.5	2.27	46.3	44.1	30.1	2.08	40.0	58.8	33.6	2.82	68.9	99.6	43.6	4.72	141.0
			8	42.6	26.6	2.02	37.8	40.0	28.3	1.90	34.3	54.3	31.7	2.58	58.1	95.2	42.0	4.57	133.0
			9	38.3	24.7	1.84	32.3	35.7	26.5	1.72	27.9	49.9	30.0	2.39	50.5	90.2	40.2	4.30	118.1
YAH08	8000	4	5	59.2	34.5	2.80	138.4	56.0	36.7	2.64	124.6	71.5	39.7	3.39	199.3	106.5	46.1	5.05	52.3
			6	55.0	32.7	2.64	124.4	51.8	34.9	2.49	111.4	66.9	37.8	3.17	174.6	101.8	44.5	4.88	48.9
			7	50.3	30.7	2.41	105.0	47.1	32.9	2.26	93.0	62.2	35.9	2.94	151.6	96.7	42.7	4.62	44.0
			8	45.5	28.7	2.19	87.2	42.5	30.7	2.04	76.2	57.4	34.0	2.72	130.2	91.5	41.0	4.36	39.4
			9	40.4	26.7	1.92	68.4	38.0	28.7	1.81	61.1	52.5	32.1	2.49	110.3	86.3	39.3	4.10	35.0
		6	5	75.1	43.2	3.60	94.4	70.9	45.5	3.36	82.9	90.0	49.7	4.32	132.0	146.2	63.3	7.00	260.9
			6	69.5	40.7	3.30	80.0	65.6	43.0	3.12	72.1	84.6	47.2	4.02	115.1	140.4	61.0	6.73	241.5
			7	64.1	38.3	3.06	69.4	60.2	40.5	2.88	62.0	78.9	44.8	3.72	99.4	134.4	58.7	6.45	222.8
			8	58.2	35.7	2.76	57.2	54.5	37.9	2.58	50.5	73.3	42.4	3.48	87.5	127.9	56.3	6.04	196.4
			9	52.4	33.3	2.52	48.2	49.1	35.6	2.34	42.0	67.6	40.1	3.24	76.5	121.6	54.0	5.76	179.7
YAH10	10000	4	5	75.3	43.9	3.58	78.7	71.2	46.8	3.40	71.5	91.3	50.7	4.34	112.7	139.2	61.2	6.62	16.0
			6	69.2	41.4	3.28	66.9	65.2	44.3	3.11	60.3	85.6	48.4	4.10	101.3	132.1	58.8	6.29	14.4
			7	63.4	39.0	3.05	58.1	59.0	41.7	2.81	50.0	79.1	45.8	3.75	85.4	124.9	56.5	5.95	13.0
			8	56.7	36.3	2.70	46.1	54.1	39.4	2.58	42.4	73.1	43.4	3.52	75.5	117.6	54.1	5.62	11.6
			9	50.3	33.8	2.40	37.1	49.0	37.4	2.34	35.5	66.4	40.9	3.16	61.8	109.4	51.5	5.17	10.0
		6	5	97.7	56.3	4.66	58.4	92.3	59.4	4.38	51.9	117.8	65.1	5.61	82.3	186.2	80.5	8.89	64.8
			6	90.3	53.0	4.28	49.7	85.3	56.3	4.09	45.7	110.9	62.0	5.33	74.5	177.9	77.4	8.40	58.2
			7	83.2	50.0	4.00	43.6	78.0	53.0	3.71	38.0	103.3	58.8	4.95	64.7	170.0	74.5	8.08	54.0
			8	75.4	46.7	3.62	36.1	71.4	50.0	3.43	32.7	95.6	55.6	4.57	55.6	162.0	71.6	7.76	49.9
			9	67.5	43.4	3.24	29.4	64.2	47.0	3.04	26.2	87.7	52.4	4.19	47.2	153.1	68.4	7.27	44.1
YAH12	12000	4	5	93.3	55.3	4.45	43.5	87.8	59.0	4.16	38.2	113.5	63.9	5.35	61.1	164.0	71.4	7.86	23.7
			6	85.4	52.0	4.06	36.4	79.8	55.7	3.76	31.6	106.1	60.9	5.05	54.8	155.7	68.6	7.44	21.3
			7	77.3	48.8	3.66	30.0	73.1	52.7	3.46	27.0	98.0	57.8	4.65	46.9	147.3	65.8	7.01	19.0
			8	69.1	45.5	3.27	24.2	66.5	49.9	3.16	22.8	89.8	54.6	4.26	39.5	138.8	63.1	6.59	16.8
			9	62.0	42.6	2.97	20.2	60.0	47.3	2.87	18.9	81.4	51.4	3.86	32.8	130.2	60.3	6.16	14.8
		6	5	111.4	65.1	5.25	28.6	105.1	69.0	4.96	25.7	135.6	75.7	6.42	41.5	216.9	93.7	10.25	96.7
			6	103.3	61.6	4.96	25.7	97.1	65.5	4.67	22.9	127.4	72.2	6.12	38.0	208.2	90.4	9.94	91.0
			7	94.2	57.8	4.52	21.5	88.9	61.7	4.23	19.0	118.4	68.4	5.69	32.9	198.8	86.9	9.48	83.0
			8	84.9	53.9	4.09	17.8	80.9	58.3	3.86	16.0	109.2	64.7	5.25	28.3	189.2	83.4	9.01	75.3
			9	76.2	50.2	3.64	14.5	72.9	55.0	3.50	13.6	99.4	60.8	4.74	23.3	179.4	79.9	8.54	68.0
YAH15	15000	4	5	120.3	70.6	5.73	80.9	113.2	75.2	5.34	70.6	145.7	81.5	6.92	115.0	212.4	91.7	10.16	43.3
			6	111.0	66.8	5.34	70.5	103.9	71.3	4.94	60.9	136.4	77.7	6.52	102.7	202.6	88.4	9.74	39.9
			7	100.4	62.5	4.75	56.4	94.8	67.4	4.55	52.0	126.4	73.7	6.03	88.3	191.7	84.7	9.10	35.0
			8	90.9	58.6	4.35	47.8	86.5	63.7	4.15	43.7	116.2	69.8	5.54	74.9	181.7	81.4	8.68	31.9
			9	80.6	54.6	3.85	38.0	78.1	60.2	3.76	36.2	105.9	65.8	5.04	62.7	170.4	77.8	8.04	27.6
		6	5	144.0	83.5	6.85	53.9	135.8	88.3	6.41	47.6	174.0	96.6	8.31	77.1	274.6	118.4	13.00	175.5
			6	133.5	78.9	6.41	47.5	125.4	83.7	5.98	41.6	163.0	91.8	7.73	67.1	264.0	114.3	12.69	167.4
			7	122.1	74.0	5.83	39.6	115.3	79.0	5.54	36.0	152.2	87.3	7.29	60.0	252.2	109.9	12.07	152.0
			8	110.3	69.1	5.25	32.5	104.6	74.3	4.95	29.2	140.6	82.5	6.71	51.2	240.2	105.5	11.45	137.4
			9	98.8	64.2	4.67	26.0	94.6	70.1	4.52	24.5	128.7	77.7	6.12	43.1	228.0	101.1	10.83	123.5

Note: The temperature difference of inlet/outlet water is 5°C

Heating Capacity Table

Model	Airflow m³/h	Rows of coil	Inlet water Temp. (°C)	Air inlet Temperature											
				21°C			15°C			7°C			-4°C		
				Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)
YAH1.5	1500	4	45	8.5	0.41	17.7	11.1	0.54	28.8	14.3	0.69	47.3	19.3	0.94	84.0
			50	9.2	0.23	5.9	11.9	0.29	9.0	15.0	0.37	14.1	20.0	0.49	24.2
			60	13.5	0.33	11.0	16.2	0.40	15.5	19.3	0.47	22.0	24.4	0.59	34.2
			70	17.7	0.43	18.1	20.4	0.50	23.7	23.5	0.57	31.6	28.8	0.70	46.9
			80	21.8	0.53	27.0	24.6	0.60	33.7	27.8	0.69	43.9	33.1	0.81	61.6
			90	25.9	0.64	37.4	28.8	0.71	45.8	32.0	0.79	57.0	37.4	0.92	76.9
		6	45	10.4	0.51	34.6	13.4	0.65	55.3	17.0	0.81	33.2	22.9	1.12	60.9
			50	11.7	0.28	11.8	14.8	0.36	18.2	18.0	0.44	10.4	24.0	0.59	17.9
			60	16.6	0.40	22.0	19.8	0.48	30.9	23.0	0.56	16.0	29.1	0.71	25.3
			70	21.4	0.53	35.7	24.6	0.60	46.1	28.0	0.68	23.1	34.2	0.84	33.9
			80	26.2	0.65	52.5	29.5	0.73	65.6	32.9	0.81	31.0	39.3	0.96	43.8
			90	31.0	0.76	71.7	34.4	0.85	88.4	37.8	0.93	40.5	44.4	1.09	55.1
YAH02	2000	4	45	11.1	0.54	37.3	14.4	0.69	60.4	18.5	0.89	46.5	24.9	1.20	82.9
			50	12.3	0.30	12.4	15.7	0.38	19.3	19.4	0.47	14.2	25.9	0.63	24.2
			60	17.7	0.43	24.0	21.1	0.52	33.8	24.9	0.60	22.0	31.5	0.76	34.6
			70	23.0	0.56	38.8	26.5	0.65	51.4	30.4	0.74	32.0	37.1	0.91	47.3
			80	28.3	0.69	57.6	31.9	0.78	72.7	35.8	0.87	43.3	42.7	1.04	60.8
			90	33.6	0.83	80.0	37.2	0.91	97.7	41.3	1.02	57.5	48.3	1.18	77.4
		6	45	13.4	0.65	28.2	17.3	0.84	46.2	22.0	1.06	27.2	29.6	1.43	48.6
			50	15.1	0.37	9.6	19.1	0.46	14.9	23.3	0.56	8.3	31.1	0.75	14.2
			60	21.4	0.52	18.0	25.5	0.61	24.9	29.8	0.72	13.0	37.7	0.92	20.2
			70	27.6	0.68	28.8	31.8	0.77	37.8	36.2	0.88	18.4	44.3	1.08	27.1
			80	33.8	0.83	42.7	38.1	0.94	53.5	42.6	1.04	25.1	50.9	1.25	35.5
			90	40.0	0.98	57.9	44.4	1.10	71.8	48.9	1.21	32.8	57.4	1.42	45.1
YAH03	3000	4	45	17.2	0.83	50.1	22.3	1.08	81.8	30.4	1.47	40.9	41.0	1.99	73.1
			50	19.1	0.47	16.5	24.3	0.59	26.0	31.9	0.77	12.1	42.5	1.04	20.9
			60	27.4	0.67	32.0	32.7	0.80	44.7	41.0	1.00	19.0	51.8	1.25	29.6
			70	35.6	0.86	51.8	41.0	0.99	68.3	50.0	1.22	27.4	61.1	1.49	40.8
			80	43.8	1.08	78.4	49.3	1.21	98.3	59.1	1.45	37.8	70.4	1.74	53.8
			90	51.9	1.28	108.8	57.6	1.42	134.0	68.1	1.68	49.9	79.6	1.95	67.4
		6	45	20.8	1.01	29.9	26.9	1.29	47.8	34.5	1.65	27.0	46.6	2.27	49.9
			50	23.5	0.57	10.1	29.7	0.72	15.7	36.6	0.89	8.4	48.8	1.18	14.5
			60	33.3	0.81	19.0	39.7	0.97	26.7	46.8	1.14	13.0	59.3	1.44	20.7
			70	43.0	1.04	30.5	49.4	1.20	40.0	56.9	1.39	18.9	69.6	1.70	27.9
			80	52.6	1.29	45.6	59.2	1.46	57.1	66.9	1.64	25.5	80.0	1.96	36.2
			90	62.2	1.53	62.5	69.0	1.71	77.2	76.9	1.90	33.5	90.3	2.22	45.6
YAH04	4000	4	45	23.5	1.13	30.8	30.5	1.47	51.3	36.6	1.77	79.7	49.2	2.36	139.5
			50	25.9	0.63	10.2	33.1	0.80	16.1	38.7	0.94	23.6	51.5	1.25	40.9
			60	37.4	0.91	20.0	44.6	1.08	27.9	49.5	1.20	37.0	62.5	1.52	59.2
			70	48.7	1.19	32.9	56.1	1.37	42.8	60.3	1.48	54.5	73.4	1.79	79.3
			80	59.9	1.47	49.1	67.5	1.66	62.1	70.9	1.74	74.1	84.4	2.06	104.2
			90	71.1	1.75	68.5	78.8	1.95	83.7	81.6	2.00	96.7	95.4	2.36	134.3
		6	45	28.7	1.39	62.1	37.1	1.81	103.0	41.9	2.04	46.6	56.4	2.74	82.3
			50	32.7	0.79	21.4	41.2	1.00	33.4	44.9	1.09	14.1	59.5	1.44	24.0
			60	46.0	1.11	40.0	54.7	1.32	55.7	57.0	1.39	22.0	71.9	1.74	33.9
			70	59.1	1.44	64.1	68.0	1.66	85.2	69.1	1.69	31.5	84.4	2.07	46.4
			80	72.2	1.78	95.6	81.3	2.01	120.9	81.1	2.00	42.9	96.7	2.37	59.9
			90	85.3	2.10	131.3	94.5	2.33	160.7	93.0	2.30	55.9	109.1	2.69	76.5
YAH05	5000	4	45	29.5	1.44	30.1	38.4	1.86	49.3	44.8	2.15	70.3	60.2	2.93	127.7
			50	32.4	0.78	9.5	41.4	1.01	15.3	47.3	1.14	21.0	62.9	1.53	36.6
			60	46.9	1.14	19.0	56.0	1.36	26.7	60.5	1.47	33.0	76.4	1.86	52.0
			70	61.2	1.50	31.6	70.4	1.71	40.8	73.7	1.80	48.2	89.9	2.20	71.4
			80	75.3	1.84	46.2	84.8	2.07	58.4	86.8	2.13	66.5	103.3	2.54	93.9
			90	89.4	2.20	64.9	99.1	2.45	80.5	99.9	2.45	86.8	116.8	2.89	119.6
		6	45	36.1	1.74	53.8	46.6	2.27	89.0	51.2	2.50	40.7	69.0	3.34	71.9
			50	41.0	0.99	18.5	51.7	1.25	28.8	54.7	1.32	12.3	72.7	1.76	21.2
			60	57.8	1.40	35.0	68.7	1.68	49.1	69.6	1.69	19.0	87.9	2.13	29.7
			70	74.4	1.81	55.9	85.5	2.09	74.1	84.5	2.07	27.5	103.2	2.53	40.6
			80	90.9	2.22	82.3	102.3	2.51	104.1	99.2	2.43	37.2	118.4	2.92	53.2
			90	107.3	2.66	115.8	118.9	2.92	139.4	113.8	2.80	48.4	133.6	3.29	66.3

Note: The temperature difference of inlet/outlet water is 5°C, with 45°C inlet hot water; otherwise it is 10°C for other conditions.

Model	Airflow m³/h	Rows of coil	Inlet water Temp. (°C)	Air inlet Temperature											
				21°C			15°C			7°C			-4°C		
				Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)
YAH06	6000	4	45	36.5	1.77	45.4	47.4	2.29	74.3	51.4	2.49	19.3	69.6	3.38	34.7
			50	40.5	0.98	14.9	51.5	1.25	23.5	53.2	1.29	5.6	71.5	1.73	9.7
			60	58.1	1.41	29.0	69.3	1.68	40.6	69.1	1.69	9.0	87.6	2.13	14.1
			70	75.5	1.83	47.1	86.9	2.12	62.2	84.7	2.07	13.1	103.6	2.53	19.4
			80	92.9	2.29	71.6	104.5	2.57	89.8	100.2	2.45	17.9	119.5	2.93	25.5
			90	110.1	2.72	99.6	122.1	3.02	122.7	115.7	2.85	23.8	135.4	3.33	32.4
		6	45	39.6	1.92	28.3	51.1	2.46	45.4	62.7	3.02	61.1	84.4	4.07	108.9
			50	44.6	1.08	9.6	56.4	1.37	14.9	67.4	1.63	19.0	89.2	2.16	32.3
			60	63.2	1.53	18.0	75.3	1.83	25.3	85.4	2.07	29.0	107.8	2.63	45.9
			70	81.6	1.98	28.9	93.8	2.28	38.0	103.5	2.53	42.1	126.3	3.09	62.0
			80	99.9	2.46	43.4	112.4	2.76	54.3	121.3	2.97	56.4	144.8	3.55	80.5
			90	118.0	2.91	59.6	130.9	3.25	73.6	139.2	3.43	74.3	163.3	4.02	101.6
YAH08	8000	4	45	51.8	2.50	96.8	67.1	3.27	163.0	78.9	3.83	41.1	106.4	5.17	73.5
			50	58.0	1.41	32.4	73.4	1.77	50.2	82.8	2.01	12.1	110.4	2.68	20.8
			60	82.5	2.00	62.0	98.2	2.39	87.3	106.4	2.59	19.0	134.5	3.25	29.7
			70	106.9	2.61	102.7	122.9	3.00	134.6	129.8	3.16	27.6	158.6	3.88	41.1
			80	131.2	3.22	153.7	147.5	3.63	194.5	153.3	3.76	38.1	182.6	4.50	54.4
			90	155.3	3.81	212.5	172.0	4.22	260.2	176.6	4.36	50.5	206.5	5.07	68.3
		6	45	59.1	2.86	57.5	76.2	3.66	92.1	95.4	4.62	131.6	128.1	6.16	231.1
			50	67.2	1.63	19.8	84.7	2.05	30.4	102.9	2.49	40.1	136.0	3.29	68.9
			60	94.6	2.30	37.0	112.4	2.73	51.5	130.1	3.15	62.0	164.0	3.99	98.3
			70	121.6	2.96	59.4	139.8	3.40	77.5	157.3	3.85	90.1	191.9	4.69	133.0
			80	148.6	3.66	88.6	167.2	4.10	110.4	184.2	4.52	121.8	219.7	5.38	173.1
			90	175.4	4.33	121.9	194.4	4.80	149.3	211.1	5.18	158.4	247.6	6.09	218.6
YAH10	10000	4	45	63.8	3.09	56.0	82.5	3.98	91.6	104.1	5.01	8.6	140.7	6.78	15.6
			50	70.6	1.70	18.0	89.8	2.19	28.9	106.2	2.56	2.4	142.9	3.45	4.2
			60	101.5	2.47	36.0	120.7	2.92	49.7	139.3	3.40	4.0	176.5	4.29	6.3
			70	131.9	3.21	58.8	151.5	3.69	77.3	171.6	4.17	5.9	209.7	5.12	8.8
			80	162.3	3.98	88.6	182.2	4.47	110.9	204.0	5.01	8.4	242.7	5.96	11.8
			90	192.7	4.75	124.4	213.1	5.27	152.4	236.3	5.84	11.3	275.6	6.78	15.2
		6	45	74.2	3.61	33.0	95.5	4.58	52.2	119.1	5.81	27.8	160.0	7.80	49.2
			50	84.2	2.05	11.3	106.0	2.56	17.2	127.0	3.08	8.3	168.3	4.09	14.3
			60	118.7	2.88	21.0	140.9	3.41	29.2	161.9	3.94	13.0	204.0	4.97	20.4
			70	152.9	3.73	34.0	175.5	4.29	44.7	196.6	4.82	18.8	239.6	5.85	27.5
			80	186.9	4.58	50.2	210.0	5.17	63.5	231.0	5.66	25.4	275.0	6.73	35.7
			90	220.8	5.46	70.0	244.4	6.05	85.6	265.5	6.57	33.7	310.5	7.65	45.5
YAH12	12000	4	45	78.6	3.78	29.3	102.0	4.93	49.0	121.9	5.91	13.1	164.2	7.96	23.4
			50	86.6	2.10	9.5	110.3	2.68	15.1	125.9	3.07	3.7	168.3	4.09	6.4
			60	125.1	3.04	19.0	149.0	3.62	26.6	163.5	3.98	6.0	206.8	5.05	9.6
			70	163.1	3.99	31.6	187.3	4.56	41.2	200.8	4.89	8.9	244.7	5.97	13.1
			80	200.9	4.93	47.4	225.7	5.56	60.0	238.1	5.86	12.5	282.8	6.93	17.5
			90	238.7	5.88	66.4	263.9	6.51	81.2	275.1	6.77	16.6	320.8	7.90	22.5
		6	45	88.1	4.29	17.3	114.0	5.56	28.5	140.4	6.75	41.6	188.5	9.14	75.1
			50	98.7	2.40	5.8	125.1	3.04	9.0	150.5	3.63	12.8	198.9	4.80	21.8
			60	140.7	3.42	11.0	167.3	4.06	15.3	191.3	4.65	20.0	240.7	5.84	31.2
			70	182.1	4.43	17.9	209.3	5.11	23.5	231.9	5.66	28.8	282.4	6.90	42.4
			80	223.3	5.49	26.7	251.0	6.16	33.5	272.2	6.67	39.2	324.0	7.94	55.4
			90	264.4	6.54	37.3	292.7	7.21	45.3	312.6	7.72	51.8	365.6	8.99	70.1
YAH15	15000	4	45	99.2	4.82	55.6	128.2	6.17	90.0	153.8	7.49	24.1	206.6	10.05	43.0
			50	110.1	2.67	17.9	139.8	3.40	28.5	160.6	3.91	6.8	213.5	5.19	11.9
			60	157.8	3.82	35.0	187.7	4.55	49.2	207.0	5.03	11.0	260.8	6.31	17.1
			70	205.2	5.03	58.9	235.6	5.75	76.8	253.4	6.21	16.4	308.1	7.49	23.7
			80	252.3	6.17	87.4	283.2	6.96	110.7	299.6	7.39	22.9	355.4	8.72	31.8
			90	299.4	7.38	123.3	330.9	8.16	150.7	345.6	8.56	30.4	402.7	9.95	41.0
		6	45	110.9	5.39	31.4	143.0	6.89	50.3	176.2	8.52	78.0	236.1	11.36	136.9
			50	125.1	3.03	10.5	157.9	3.82	16.2	189.8	4.59	23.9	250.3	6.05	40.6
			60	177.2	4.31	20.0	210.4	5.09	27.7	240.4	5.83	37.0	302.2	7.32	57.7
			70	228.7	5.58	32.5	262.6	6.44	43.0	290.9	7.10	53.5	354.1	8.67	79.1
			80	279.9	6.89	48.6	314.5	7.71	60.6	341.1	8.37	73.0	405.9	10.01	104.0
			90	330.9	8.17	67.2	366.2	8.98	81.3	391.4	9.63	95.5	457.6	11.28	130.7

Note: The temperature difference of inlet/outlet water is 5°C, with 45°C inlet hot water; otherwise it is 10°C for other conditions.

Standard 1 Row, 2 Rows Coil Heating Capacity Table

Model	Airflow m³/h	Rows of coil	Inlet water Temp. (°C)	Air inlet Temperature											
				21°C			15°C			7°C			-4°C		
				Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)
YAH1.5	1500	1	45	2.8	0.14	5.0	3.8	0.18	7.4	5.0	0.24	13.5	6.7	0.32	23.4
			50	2.2	0.06	1.0	3.4	0.08	2.2	4.8	0.11	4.1	6.6	0.16	6.4
			60	4.3	0.11	3.0	5.3	0.13	4.0	6.5	0.15	6.0	8.2	0.20	9.4
			70	6.0	0.15	4.7	6.9	0.17	6.2	8.1	0.20	9.0	9.8	0.24	13.0
			80	7.6	0.19	7.3	8.5	0.21	9.1	9.7	0.24	12.5	11.4	0.28	17.2
			90	9.1	0.22	10.2	10.1	0.25	12.3	11.3	0.28	16.6	13.0	0.32	21.9
		2	45	5.3	0.25	22.3	6.9	0.34	37.4	9.0	0.44	60.8	12.1	0.59	107.9
			50	5.6	0.14	6.8	7.2	0.17	11.0	9.4	0.23	17.4	12.5	0.30	30.1
			60	8.3	0.20	14.0	9.9	0.24	19.7	12.1	0.30	28.0	15.2	0.37	43.5
			70	11.0	0.27	23.3	12.6	0.31	30.8	14.8	0.36	40.2	18.0	0.44	59.2
			80	13.6	0.34	35.6	15.3	0.37	43.8	17.5	0.43	55.5	20.7	0.51	77.5
			90	16.3	0.40	49.5	18.0	0.44	60.1	20.2	0.50	74.3	23.4	0.57	98.1
YAH02	2000	1	45	3.8	0.18	8.0	5.1	0.25	13.4	6.7	0.33	24.2	9.0	0.43	41.9
			50	3.7	0.09	2.5	5.0	0.12	4.1	6.8	0.17	6.8	9.1	0.22	11.8
			60	6.0	0.14	5.0	7.2	0.17	7.0	8.9	0.22	11.2	11.2	0.27	17.1
			70	8.1	0.20	8.6	9.3	0.23	11.2	11.0	0.27	16.5	13.3	0.33	23.3
			80	10.1	0.25	13.1	11.3	0.28	16.2	13.1	0.33	22.9	15.4	0.37	31.0
			90	12.2	0.30	18.7	13.4	0.33	22.4	15.2	0.37	30.1	17.5	0.43	39.6
		2	45	7.2	0.34	44.4	9.3	0.45	73.8	12.2	0.59	115.3	16.3	0.79	209.8
			50	7.7	0.19	14.1	9.9	0.24	22.3	12.8	0.31	34.5	16.9	0.41	59.3
			60	11.3	0.28	28.0	13.5	0.32	39.2	16.4	0.40	54.0	20.6	0.50	85.2
			70	14.8	0.36	46.5	17.1	0.42	61.6	20.0	0.49	79.0	24.3	0.59	115.9
			80	18.4	0.45	70.7	20.6	0.50	87.8	23.6	0.58	108.7	27.9	0.68	151.3
			90	21.9	0.54	100.0	24.2	0.59	120.1	27.2	0.68	146.3	31.6	0.78	195.1
YAH03	3000	1	45	6.1	0.29	25.4	7.9	0.38	42.2	10.4	0.50	67.7	13.9	0.66	116.0
			50	6.3	0.16	7.7	8.2	0.20	12.4	10.7	0.26	19.6	14.2	0.34	32.7
			60	9.5	0.23	16.0	11.4	0.28	22.4	13.9	0.34	31.0	17.4	0.43	47.9
			70	12.6	0.31	27.1	14.5	0.36	35.7	17.1	0.42	45.9	20.6	0.50	66.0
			80	15.7	0.38	41.1	17.6	0.43	51.0	20.2	0.50	63.7	23.7	0.58	87.1
			90	18.9	0.47	58.6	20.7	0.51	70.3	23.4	0.57	83.0	26.9	0.66	111.0
		2	45	10.9	0.53	57.3	14.2	0.68	93.9	18.1	0.88	58.7	24.3	1.19	104.5
			50	11.9	0.29	18.4	15.2	0.37	28.8	18.8	0.46	16.7	25.0	0.61	29.0
			60	17.3	0.42	37.0	20.6	0.50	51.1	24.3	0.60	27.0	30.6	0.74	42.0
			70	22.7	0.55	61.9	26.1	0.64	81.0	29.7	0.73	38.9	36.1	0.88	57.4
			80	28.0	0.69	93.1	31.5	0.77	116.1	35.1	0.86	53.8	41.6	1.02	75.2
			90	33.4	0.82	130.6	36.9	0.91	157.7	40.6	1.00	72.2	47.1	1.16	95.6
YAH04	4000	1	45	8.3	0.40	51.5	10.8	0.52	84.9	13.4	0.65	26.3	18.0	0.87	45.7
			50	8.8	0.21	16.0	11.3	0.28	25.4	13.6	0.33	7.3	18.1	0.44	12.6
			60	13.0	0.32	32.0	15.5	0.37	44.6	17.8	0.43	12.0	22.3	0.55	18.4
			70	17.2	0.42	54.5	19.7	0.48	70.6	22.0	0.54	17.6	26.6	0.65	25.5
			80	21.3	0.52	82.8	23.8	0.59	102.4	26.2	0.64	24.3	30.7	0.75	33.0
			90	25.5	0.63	117.1	28.0	0.69	140.2	30.3	0.75	32.6	34.9	0.86	42.6
		2	45	14.5	0.70	45.0	18.8	0.92	74.8	24.4	1.18	115.4	32.7	1.57	203.0
			50	15.5	0.37	13.7	20.0	0.48	21.9	25.6	0.62	33.6	33.9	0.82	57.2
			60	22.8	0.55	28.0	27.3	0.67	39.7	32.9	0.80	54.0	41.3	1.00	82.9
			70	30.0	0.74	47.2	34.4	0.84	61.5	40.1	0.99	79.1	48.6	1.19	114.9
			80	37.1	0.91	70.8	41.7	1.03	89.4	47.3	1.16	109.2	56.0	1.38	152.2
			90	44.2	1.08	99.2	48.9	1.21	122.6	54.5	1.35	144.1	63.3	1.56	193.0
YAH05	5000	1	45	10.3	0.50	44.0	13.4	0.65	72.2	17.6	0.85	121.1	23.4	1.14	212.2
			50	10.9	0.26	13.6	14.1	0.34	21.8	18.3	0.45	35.3	24.1	0.58	58.7
			60	16.2	0.39	28.0	19.3	0.47	38.8	23.6	0.58	56.0	29.4	0.72	86.0
			70	21.4	0.52	46.8	24.5	0.60	60.4	28.9	0.70	81.3	34.7	0.85	118.6
			80	26.6	0.65	70.4	29.7	0.73	88.4	34.1	0.84	113.2	40.0	0.99	156.5
			90	31.8	0.79	100.4	34.9	0.86	119.9	39.4	0.97	150.5	45.3	1.12	199.8
		2	45	18.1	0.87	40.8	23.5	1.13	68.4	30.6	1.47	108.7	41.0	2.00	198.6
			50	19.4	0.47	12.8	24.9	0.61	20.6	32.0	0.77	32.0	42.4	1.03	55.3
			60	28.5	0.69	26.0	34.1	0.83	36.5	41.1	1.00	51.0	51.6	1.25	79.5
			70	37.5	0.92	44.1	43.2	1.05	57.5	50.2	1.22	74.5	60.9	1.49	109.6
			80	46.5	1.13	65.7	52.2	1.28	83.1	59.2	1.45	102.4	70.1	1.71	143.0
			90	55.4	1.36	93.0	61.3	1.51	113.5	68.3	1.69	138.1	79.3	1.95	184.7

Note: The temperature difference of inlet/outlet water is 5°C, with 45°C inlet hot water; otherwise it is 10°C for other conditions.

Model	Airflow m³/h	Rows of coil	Inlet water Temp. (°C)	Air inlet Temperature											
				21°C			15°C			7°C			-4°C		
				Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)	Total heat (kW)	Water flow (L/s)	Water pressure drop (kPa)
YAH06	6000	1	45	12.6	0.61	72.1	16.3	0.78	117.2	20.4	0.99	39.4	27.2	1.30	67.8
			50	13.5	0.32	22.0	17.3	0.42	35.6	20.7	0.50	11.0	27.6	0.67	18.9
			60	19.8	0.48	45.0	23.6	0.58	63.5	27.1	0.66	18.0	34.0	0.83	27.8
			70	26.1	0.64	75.8	29.9	0.73	99.3	33.4	0.81	26.4	40.3	0.99	38.4
			80	32.4	0.80	116.4	36.2	0.89	145.1	39.7	0.98	36.8	46.7	1.15	50.7
			90	38.7	0.95	163.5	42.5	1.05	197.2	46.0	1.13	48.9	53.0	1.30	64.7
		2	45	21.9	1.05	63.4	28.4	1.36	104.2	35.6	1.70	53.5	47.9	2.31	96.8
			50	23.7	0.58	20.3	30.3	0.73	31.9	36.5	0.88	15.3	48.8	1.19	26.9
			60	34.6	0.84	41.0	41.2	1.00	56.7	47.5	1.16	25.0	60.0	1.46	39.3
			70	45.4	1.11	68.7	52.1	1.28	89.9	58.4	1.42	36.6	71.2	1.74	54.7
			80	56.1	1.38	103.5	63.0	1.55	129.2	69.3	1.70	51.6	82.3	2.02	72.7
			90	66.8	1.65	145.4	73.8	1.81	175.7	80.2	1.99	69.2	93.3	2.31	93.3
YAH08	8000	1	45	16.1	0.77	27.0	21.0	1.01	45.0	27.6	1.33	78.8	36.7	1.76	135.2
			50	16.8	0.41	8.2	21.7	0.53	13.1	28.4	0.68	22.4	37.5	0.90	38.0
			60	25.2	0.61	17.0	30.1	0.73	23.9	36.8	0.89	36.0	46.0	1.12	55.8
			70	33.5	0.82	29.0	38.5	0.94	38.1	45.2	1.11	53.4	54.4	1.33	77.0
			80	41.8	1.02	44.0	46.7	1.14	54.5	53.5	1.32	74.3	62.8	1.55	101.7
			90	50.0	1.23	62.8	55.0	1.36	75.3	61.8	1.52	97.1	71.2	1.76	130.0
		2	45	28.1	1.35	20.1	36.9	1.80	34.9	48.0	2.34	56.7	64.4	3.15	101.3
			50	29.9	0.72	6.3	38.7	0.94	10.2	49.9	1.21	16.0	66.3	1.61	27.9
			60	44.4	1.08	13.0	53.1	1.28	18.1	64.4	1.57	26.0	81.1	1.98	40.6
			70	58.7	1.43	21.8	67.6	1.65	29.0	78.7	1.92	37.6	95.7	2.34	55.7
			80	73.0	1.80	33.6	81.9	2.00	41.5	93.1	2.28	52.3	110.3	2.70	73.3
			90	87.1	2.14	47.1	96.3	2.37	57.3	107.6	2.66	70.5	124.9	3.07	93.4
YAH10	10000	1	45	18.3	0.89	20.7	23.9	1.17	34.9	30.6	1.47	56.2	40.9	1.96	98.5
			50	19.3	0.47	6.3	24.9	0.60	10.0	31.7	0.77	16.2	42.0	1.02	27.9
			60	28.7	0.70	13.0	34.3	0.83	18.1	40.9	1.00	26.0	51.2	1.24	39.9
			70	38.0	0.93	21.8	43.7	1.07	28.9	50.1	1.22	38.5	60.5	1.47	55.1
			80	47.3	1.17	33.5	52.9	1.30	41.3	59.2	1.44	52.5	69.8	1.70	72.6
			90	56.6	1.40	47.7	62.3	1.53	57.0	68.4	1.68	69.7	79.1	1.95	93.8
		2	45	33.3	1.60	20.5	43.5	2.11	34.6	56.4	2.71	57.4	75.8	3.65	102.7
			50	35.3	0.85	6.1	45.7	1.11	10.0	58.7	1.42	16.5	78.1	1.90	28.9
			60	52.4	1.28	13.0	62.8	1.53	18.4	75.7	1.85	27.0	95.4	2.32	42.0
			70	69.1	1.68	21.7	79.8	1.96	29.2	92.6	2.27	39.7	112.6	2.76	58.4
			80	85.9	2.11	33.3	96.7	2.38	42.4	109.4	2.69	54.8	129.8	3.18	76.5
			90	102.6	2.53	47.4	113.6	2.81	58.2	126.3	3.11	72.4	147.0	3.62	98.3
YAH12	12000	1	45	22.1	1.06	34.3	28.8	1.38	56.8	37.0	1.79	93.4	49.3	2.39	164.1
			50	23.6	0.57	10.6	30.3	0.73	16.9	38.5	0.94	26.8	50.8	1.23	45.7
			60	34.8	0.85	22.0	41.5	1.01	30.6	49.5	1.21	43.0	61.9	1.50	66.2
			70	45.9	1.13	37.3	52.7	1.29	48.3	60.5	1.48	63.0	73.1	1.79	91.8
			80	57.0	1.40	56.7	63.9	1.56	70.0	71.5	1.76	88.1	84.2	2.07	121.6
			90	68.1	1.67	78.9	75.0	1.86	97.1	82.5	2.04	115.9	95.3	2.36	155.7
		2	45	40.4	1.96	35.4	52.6	2.52	57.1	68.1	3.26	93.6	91.4	4.45	172.2
			50	43.3	1.05	10.6	55.7	1.35	17.2	71.3	1.73	27.5	94.6	2.30	47.7
			60	63.6	1.55	22.0	76.1	1.85	31.0	91.5	2.23	44.0	115.2	2.79	68.7
			70	83.7	2.04	37.0	96.5	2.36	49.4	111.7	2.72	64.3	135.8	3.31	94.9
			80	103.8	2.54	56.3	116.7	2.87	71.4	131.9	3.24	89.8	156.4	3.86	127.1
			90	123.9	3.07	81.0	137.0	3.37	97.5	152.1	3.76	119.7	176.9	4.35	160.3
YAH15	15000	1	45	28.0	1.35	63.4	36.3	1.74	104.2	45.1	2.17	30.6	60.4	2.89	53.6
			50	30.0	0.73	19.6	38.5	0.93	31.3	46.2	1.12	8.6	61.5	1.49	15.0
			60	44.0	1.07	40.0	52.4	1.27	55.5	60.0	1.46	14.0	75.4	1.83	21.9
			70	57.9	1.41	67.5	66.3	1.61	87.3	73.8	1.81	20.9	89.4	2.19	30.7
			80	71.7	1.76	102.2	80.3	1.97	127.9	87.5	2.14	29.0	103.3	2.53	40.2
			90	85.6	2.11	145.9	94.2	2.32	176.3	101.4	2.50	39.1	117.2	2.89	52.0
		2	45	51.0	2.46	63.1	66.3	3.21	105.9	84.3	4.09	24.3	113.5	5.48	43.4
			50	55.1	1.33	19.4	70.6	1.71	31.3	86.6	2.10	6.6	115.8	2.79	11.5
			60	80.4	1.96	40.0	96.0	2.33	56.3	112.5	2.74	11.0	142.1	3.44	17.2
			70	105.5	2.59	67.8	121.3	2.96	88.4	138.2	3.39	16.6	168.3	4.09	24.0
			80	130.5	3.21	102.8	146.7	3.62	129.7	163.8	4.04	23.3	194.5	4.79	32.7
			90	155.4	3.82	143.2	171.8	4.22	174.7	189.4	4.69	31.2	220.6	5.43	41.9

Note: The temperature difference of inlet/outlet water is 5°C, with 45°C inlet hot water; otherwise it is 10°C for other conditions.

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