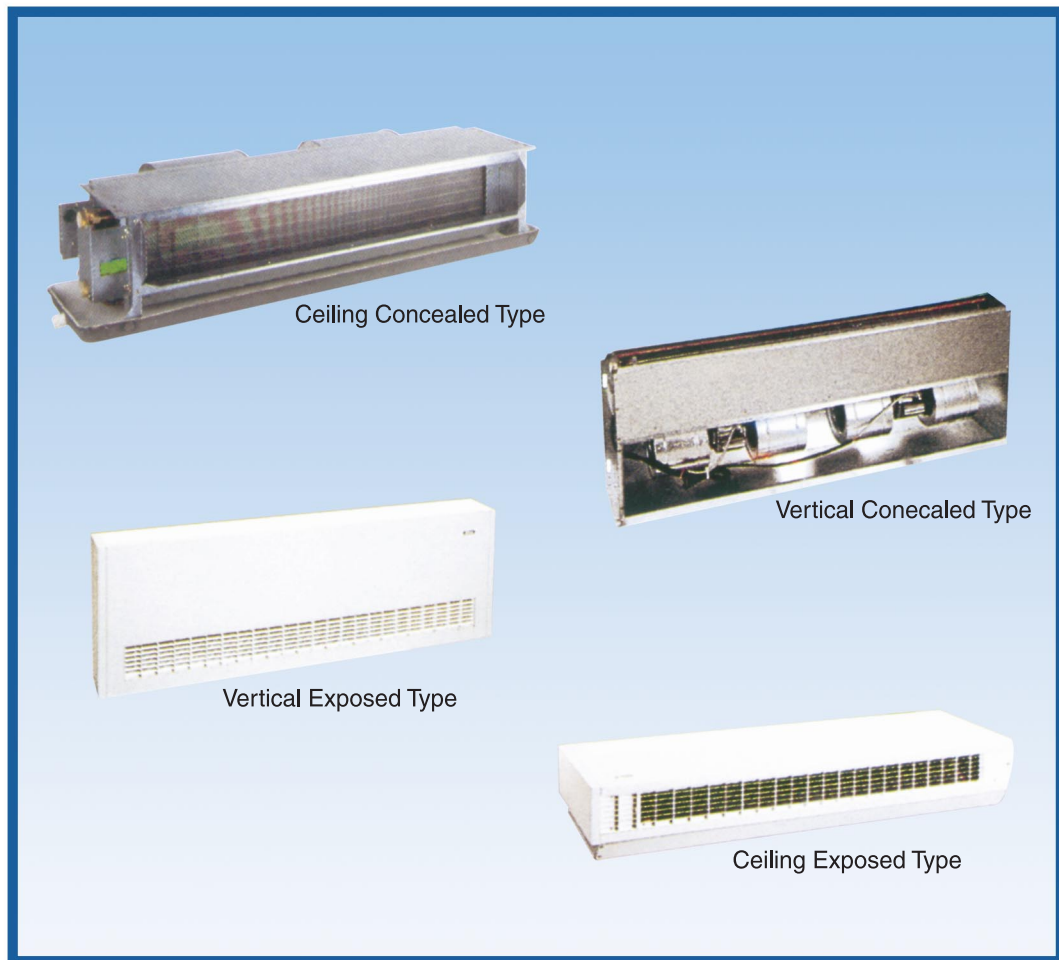


YGFC

Fan Coil Units



Size: 02~12

Air Flow: 240~2473m³/h





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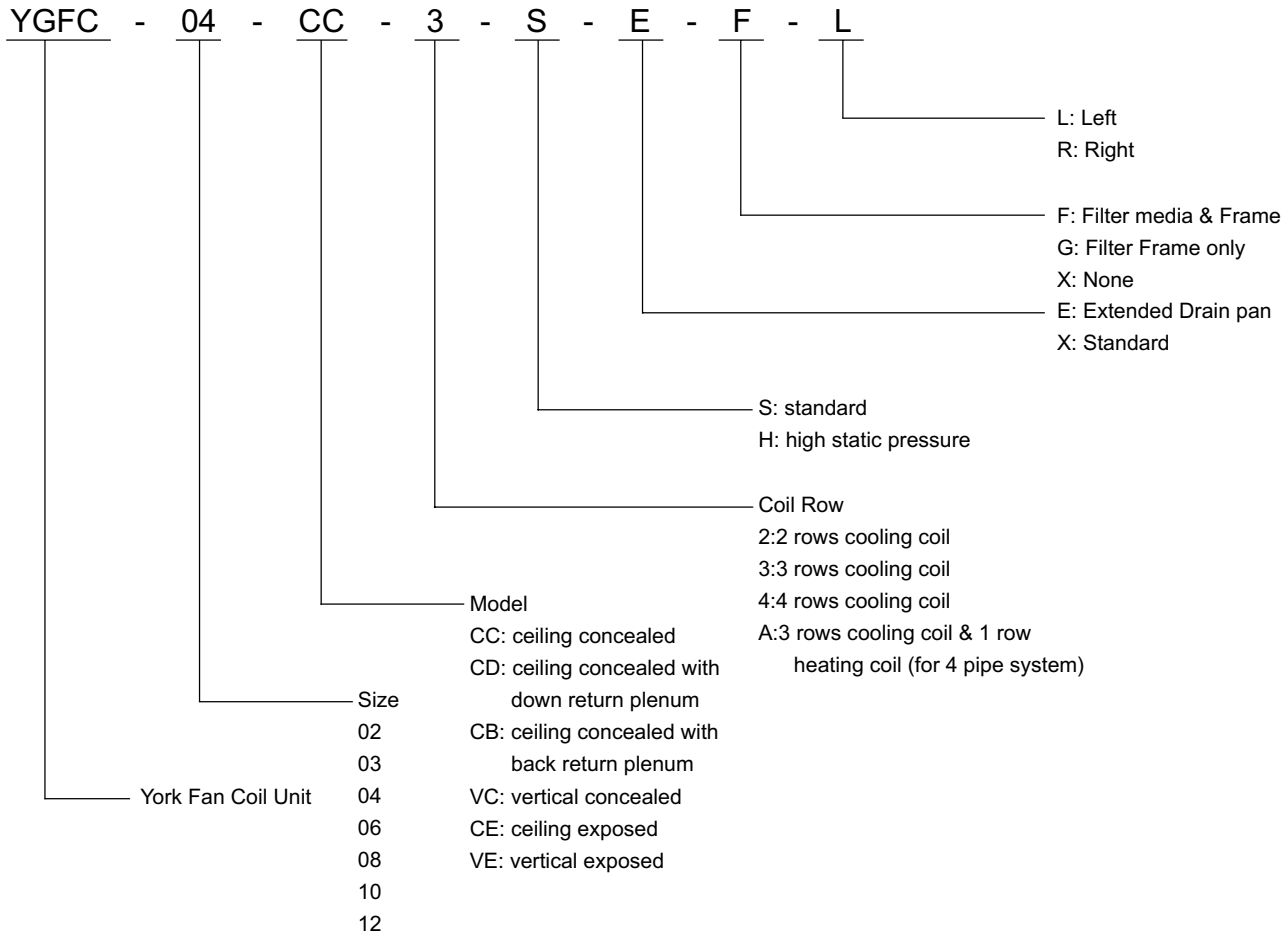
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NOMENCLATURE





- 168 models available;
- Sized from 240 to 2473 m³/h;
- More options to customer: 2 rows, 3 rows, 4 rows, and 3+1 rows coil.
- Design and manufacturing flexibilities, more special order for customer;
- Complete line accessories, and less leadtime;
- Reasonable price.

Features and Benefits

- Well designed and precisely manufactured;
- New style and advanced structure;
- High efficiency, low noise and power consumption;
- Safe and reliable;
- Easy installation and maintenance.

• High Energy Efficiency

High efficiency AL fin cooling coil, 2 rows, 3 rows, 4 rows and 3+1 rows coil are available. Coil provides high rate of heat transfer with large air flow and low noise fan.

• Quiet Operation and Energy Conservation

Units have been optimized to ensure quiet and high efficient operation. Steel fan wheel fan blade can avoid the aging distortion problem of plastic made fan wheel. Water knockout is made of brass with uniform water flow and less water pressure drop.

• Low Maintenance Cost

Motor uses permanent split capacitor, high precision and quality self-lube ball bearings, low noise and long life. Central axis of motor has been thermal refined and surface anti-corrosion treated.

• High Flexibility and Low Installation Cost

Ceiling concealed (horizontal concealed) coil's fan mounting plate can interchange with flange of the opening. Client can change the direction of duct connection in field, resulting in quick and simple installation.

Vertical concealed fan coil unit can be mounted under window, client can renovate house freely, and it will be comfortable and elegant.

Vertical exposed fan coil unit can be placed at any location of a room, beautiful shape matches with furniture, it will be comfortable and decorative.

Ceiling exposed (horizontal exposed) fan coil unit can be mounted on ceiling directly.

Vertical and ceiling exposed unit can be mounted by removing the enclosure, it is easy to maintain and install.



Physical Data

YGFC Fan coil Units

Model		Air Flow(m³/h)			Cooling Capacity (KW)		Heating Capacity (KW)	Water Flow (1/s)	Hydraulic Depress (kPa)	Input Power (W)	Number of Fan	Motor		Sound Level Power (dB/A)	Unit Net Weight (kg)			
		High	Medium	Low	Sensible Heat	Total Heat						Number	Input Power (KW)		CC	CD/CB	VE/CE	VC
2 Rows Standard Type	02	417	349	280	1.25	1.93	3.67	0.105	17	24	1	1	6	32	14	18	31	22
	03	604	516	420	1.96	2.84	5.21	0.134	22	32	2	1	10	33	17	20	34	23
	04	813	643	477	2.91	3.81	7.02	0.196	38	57	2	1	12	35	18	22	37	27
	06	1153	911	717	3.67	4.47	8.82	0.224	11	84	2	1	30	42	22	26	45	31
	08	1671	1219	888	5.56	7.44	13.64	0.360	36	148	4	2	20x2	43	31	37	61	43
	10	2001	1568	1225	6.44	8.54	15.46	0.419	47	170	4	2	30x2	48	33	38	62	45
	12	2218	1724	1324	7.06	9.25	17.35	0.450	58	173	4	2	30x2	46	37	44	68	51
2 Rows High Static Pressure Type	02	478	420	355	1.52	2.15	4.17	0.110	14	30	1	1	10	36	14	18	31	22
	03	754	614	450	2.40	3.26	6.04	0.160	23	57	2	1	12	39	17	20	34	23
	04	895	626	459	2.94	4.01	7.38	0.197	43	67	2	1	20	42	18	22	37	27
	06	1288	973	688	3.98	5.16	10.06	0.257	14	130	2	1	45	46	22	26	45	31
	08	1943	1554	1217	6.14	8.04	14.85	0.389	41	162	4	2	30x2	48	31	37	61	43
	10	2299	1861	1380	6.89	8.90	17.08	0.441	49	234	4	2	45x2	51	33	38	62	45
	12	2473	1899	1370	7.68	10.06	18.47	0.490	59	245	4	2	45x2	50	37	44	68	51
3 Rows Standard Type	02	386	323	259	1.30	2.17	3.96	0.119	10	22	1	1	6	32	15	18	32	23
	03	559	478	389	2.08	3.24	5.73	0.160	14	30	2	1	10	33	18	21	35	25
	04	753	595	442	3.12	4.42	7.73	0.223	24	55	2	1	12	35	20	24	39	28
	06	1067	844	664	3.88	5.03	9.84	0.252	7	82	2	1	30	42	23	28	46	32
	08	1547	1129	822	5.97	8.60	15.32	0.420	24	145	4	2	20x2	43	33	39	62	44
	10	1853	1452	1134	7.01	10.09	17.57	0.495	32	167	4	2	30x2	48	35	41	63	46
	12	2054	1596	1226	7.80	11.13	19.71	0.546	41	170	4	2	30x2	46	39	46	69	53
3 Rows High Static Pressure Type	02	443	389	329	1.60	2.45	4.54	0.124	8	28	1	1	10	36	15	18	32	23
	03	698	569	417	2.58	3.81	6.76	0.187	15	55	2	1	12	39	18	21	35	25
	04	829	579	425	3.18	4.71	8.24	0.229	28	65	2	1	20	42	20	24	39	28
	06	1261	975	694	4.47	6.27	11.54	0.314	13	127	2	1	45	46	23	28	46	32
	08	1799	1439	1127	6.69	9.44	16.97	0.459	28	159	4	2	30x2	48	33	39	62	44
	10	2129	1723	1277	7.62	10.70	19.72	0.529	34	231	4	2	45x2	51	35	41	63	46
	12	2314	1868	1378	8.59	13.32	21.36	0.603	43	242	4	2	45x2	50	39	46	69	53
4 Rows Standard Type	02	357	299	240	1.28	2.23	3.92	0.119	6	20	1	1	6	32	16	19	35	24
	03	518	443	360	2.07	3.37	5.75	0.166	9	29	2	1	10	33	19	22	37	27
	04	697	551	409	3.13	4.64	7.83	0.237	16	54	2	1	12	35	21	25	41	29
	06	988	781	614	3.84	5.16	10.03	0.259	5	81	2	1	30	42	24	29	48	35
	08	1433	1045	761	5.98	8.99	15.67	0.440	16	144	4	2	20x2	43	36	41	63	47
	10	1715	1345	1050	7.08	10.66	18.09	0.522	23	166	4	2	30x2	48	37	43	64	49
	12	1902	1478	1136	7.87	11.77	20.22	0.578	29	169	4	2	30x2	46	41	48	70	56
4 Rows High Static Pressure Type	02	410	360	305	1.58	2.53	4.57	0.131	5	27	1	1	10	36	16	19	35	24
	03	647	527	386	2.60	4.02	6.91	0.200	10	54	2	1	12	39	19	22	37	27
	04	767	536	393	3.20	4.98	8.39	0.243	19	64	2	1	20	42	21	25	41	29
	06	1168	903	643	4.46	6.52	11.92	0.329	8	126	2	1	45	46	24	29	48	35
	08	1666	1332	1043	6.77	9.99	17.57	0.486	20	158	4	2	30x2	48	36	41	63	47
	10	1972	1596	1183	7.77	11.48	20.52	0.563	25	230	4	2	45x2	51	37	43	64	49
	12	2143	1730	1276	8.75	13.22	22.12	0.643	31	241	4	2	45x2	50	41	48	70	56

Note: 1.Airflow is based on 0 Pa external static pressure.

2.Cooling capacity is specified at: 27℃ DB; 20℃ WB;7℃ inlet chilled water temperature,5℃ temperature rise.

3.Heating capacity is specified at: 20℃ DB;60℃ inlet hot water temperature; same water flow and airflow as cooling.

4.Sound level dB(A) is measured in acoustical chamber according to ARI350-1986, cooling and heating capacity is measured according to ARI440-97 stadard.



Cooling Capacity - 2 Rows Standard Type

YGFC Fan coil Units

(kW)

Model	External Static Pressure (Pa)	Air Flow (m³/h)	Inlet Water Temp. (°C)	Air Entering Temperature									
				DB24 °C		DB25 °C		DB26 °C		DB27 °C		DB28 °C	
				WB17 °C		WB18 °C		WB19 °C		WB20 °C		WB21 °C	
02	0	417	6	1.68	1.35	1.80	1.46	1.94	1.47	2.09	1.49	2.21	1.54
	10	393		1.62	1.28	1.75	1.38	1.88	1.39	2.02	1.41	2.14	1.47
	20	357		1.54	1.18	1.66	1.27	1.78	1.29	1.91	1.30	2.03	1.36
	30	246		1.25	0.93	1.34	1.00	1.45	1.02	1.55	1.03	1.65	1.08
	40	197		1.10	0.80	1.19	0.86	1.28	0.87	1.37	0.88	1.46	0.93
	50	127		0.86	0.61	0.93	0.65	1.00	0.66	1.07	0.67	1.14	0.70
	0	417	7	1.55	1.28	1.67	1.38	1.80	1.41	1.93	1.43	2.09	1.47
	10	393		1.50	1.20	1.62	1.29	1.74	1.31	1.87	1.34	2.02	1.41
	20	357		1.43	1.11	1.53	1.20	1.65	1.21	1.77	1.27	1.91	1.30
	30	246		1.16	0.88	1.24	0.94	1.34	0.96	1.44	1.00	1.55	1.04
	40	197		1.02	0.75	1.10	0.81	1.18	0.82	1.27	0.86	0.37	0.89
	50	127		0.80	0.57	0.86	0.61	0.92	0.62	0.99	0.64	1.07	0.68
03	0	604	6	2.46	1.99	2.65	2.14	2.85	2.16	3.06	2.19	3.25	2.25
	10	570		2.38	1.88	2.56	2.02	2.76	2.04	2.96	2.07	3.14	2.16
	20	513		2.25	1.73	2.42	1.86	2.60	1.88	2.79	1.90	2.96	1.99
	30	499		2.21	1.65	2.38	1.78	2.56	1.80	2.75	1.82	2.92	1.91
	40	409		1.98	1.44	2.13	1.54	2.29	1.57	2.46	1.58	2.61	1.66
	50	324		1.74	1.23	1.87	1.32	2.01	1.33	2.16	1.34	2.29	1.42
	0	604	7	2.28	1.88	2.45	2.03	2.64	2.08	2.84	2.10	3.06	2.16
	10	570		2.21	1.77	2.37	1.90	2.55	1.92	2.74	1.96	2.96	2.07
	20	513		2.08	1.63	2.24	1.75	2.41	1.77	2.59	1.85	2.79	1.90
	30	499		2.05	1.55	2.20	1.67	2.37	1.69	2.55	1.77	2.75	1.84
	40	409		1.84	1.35	1.97	1.45	2.12	1.47	2.28	1.54	2.46	1.60
	50	324		1.61	1.15	1.73	1.24	1.86	1.25	2.00	1.29	2.16	1.36
04	0	813	6	3.31	2.67	3.56	2.87	3.83	2.90	4.12	2.94	4.36	3.03
	10	778		3.23	2.55	3.48	2.74	3.74	2.77	4.02	2.81	4.26	2.93
	20	733		3.13	2.40	3.36	2.58	3.61	2.62	3.89	2.64	4.12	2.76
	30	656		2.94	2.19	3.16	2.36	3.40	2.39	3.65	2.42	3.87	2.53
	40	564		2.70	1.96	2.90	2.10	3.12	2.14	3.36	2.15	3.56	2.27
	50	448		2.38	1.67	2.55	1.80	2.75	1.82	2.95	1.83	3.13	1.93
	0	813	7	3.07	2.53	3.30	2.72	3.55	2.79	3.81	2.82	4.12	2.90
	10	778		2.99	2.39	3.22	2.57	3.46	2.60	3.72	2.66	4.02	2.81
	20	733		2.89	2.26	3.11	2.43	3.35	2.46	3.60	2.57	3.89	2.64
	30	656		2.72	2.06	2.93	2.22	3.15	2.25	3.38	2.35	3.65	2.44
	40	564		2.50	1.84	2.69	1.98	2.89	2.01	3.11	2.10	3.36	2.18
	50	448		2.20	1.57	2.36	1.69	2.54	1.71	2.73	1.76	2.95	1.86
06	0	1153	6	3.88	3.13	4.17	3.36	4.49	3.40	4.82	3.45	5.11	3.55
	10	1098		3.78	2.97	4.06	3.20	4.37	3.23	4.69	3.28	4.98	3.42
	20	1037		3.66	2.81	3.93	3.03	4.23	3.06	4.55	3.09	4.82	3.24
	30	1003		3.59	2.68	3.86	2.88	4.15	2.92	4.46	2.96	4.73	3.09
	40	872		3.32	2.41	3.57	2.59	3.84	2.63	4.13	2.65	4.38	2.79
	50	725		3.00	2.11	3.22	2.27	3.46	2.29	3.72	2.31	3.95	2.44
	0	1153	7	3.59	2.97	3.86	3.19	4.15	3.27	4.47	3.31	4.82	3.40
	10	1098		3.50	2.80	3.76	3.01	4.04	3.04	4.35	3.11	4.69	3.28
	20	1037		3.39	2.65	3.64	2.85	3.92	2.88	4.21	3.01	4.55	3.09
	30	1003		3.32	2.52	3.57	2.71	3.84	2.75	4.13	2.87	4.46	2.98
	40	872		3.07	2.26	3.31	2.43	3.56	2.47	3.82	2.58	4.13	2.68
	50	725		2.77	1.98	2.98	2.13	3.21	2.15	3.45	2.22	3.72	2.34
08	0	1671	6	6.46	5.21	6.95	5.60	7.47	5.66	8.04	5.74	8.52	5.91
	10	1602		6.31	4.97	6.79	5.34	7.30	5.41	7.85	5.49	8.32	5.72
	20	1521		6.13	4.72	6.59	5.07	7.09	5.14	7.62	5.19	8.08	5.42
	30	1441		5.95	4.44	6.40	4.78	6.88	4.85	7.40	4.90	7.84	5.13
	40	1324		5.68	4.11	6.10	4.42	6.56	4.49	7.06	4.52	7.48	4.76
	50	1183		5.33	3.75	5.73	4.04	6.16	4.08	6.63	4.12	7.03	4.34
	0	1671	7	5.98	4.95	6.43	5.32	6.92	5.45	7.44	5.51	8.04	5.66
	10	1602		5.84	4.68	6.28	5.03	6.76	5.08	7.27	5.20	7.85	5.49
	20	1521		5.68	4.44	6.11	4.77	6.57	4.83	7.06	5.04	7.62	5.19
	30	1441		5.51	4.17	5.92	4.49	6.37	4.55	6.85	4.76	7.40	4.93
	40	1324		5.26	3.86	5.65	4.16	6.08	4.22	6.53	4.41	7.06	4.58
	50	1183		4.94	3.53	5.31	3.79	5.71	3.83	6.14	3.96	6.63	4.17
10	0	2001	6	7.42	5.98	7.98	6.44	8.58	6.50	9.23	6.59	9.78	6.79
	10	1930		7.27	5.73	7.82	6.16	8.41	6.23	9.04	6.32	9.59	6.59
	20	1848		7.10	5.46	7.63	5.87	8.21	5.95	8.83	6.00	9.36	6.28
	30	1788		6.97	5.20	7.49	5.59	8.06	5.68	8.67	5.74	9.19	6.00
	40	1687		6.75	4.89	7.25	5.26	7.80	5.34	8.39	5.38	8.89	5.66
	50	1559		6.46	4.55	6.94	4.89	7.47	4.94	8.03	4.99	8.51	5.25
	0	2001	7	6.87	5.68	7.39	6.11	7.94	6.26	8.54	6.33	9.23	6.50
	10	1930		6.74	5.39	7.24	5.79	7.79	5.86	8.37	5.99	9.04	6.32
	20	1848		6.57	5.14	7.07	5.52	7.60	5.59	8.17	5.84	8.83	6.00
	30	1788		6.45	4.89	6.94	5.26	7.46	5.33	8.02	5.57	8.67	5.78
	40	1687		6.25	4.59	6.72	4.94	7.22	5.02	7.77	5.25	8.39	5.45
	50	1559		5.98	4.27	6.43	4.59	6.91	4.64	7.43	4.80	8.03	5.05
12	0	2218	6	8.03	6.48	8.64	6.97	9.29	7.04	9.99	7.13	10.59	7.35
	10	2132		7.86	6.19	8.45	6.65	9.08	6.73	9.77	6.83	10.35	7.12
	20	2056		7.70	5.92	8.28	6.37	8.90	6.45	9.57	6.51	10.15	6.81
	30	1984		7.55	5.63	8.12	6.06	8.73	6.15	9.38	6.22	9.95	6.50
	40	1869		7.30	5.29	7.85	5.69	8.44	5.78	9.08	5.82	9.62	6.13
	50	1726		6.98	4.92	7.51	5.29	8.07	5.35	8.68	5.39	9.20	5.68
	0	2218	7	7.44	6.15	8.00	6.61	8.60	6.77	9.25	6.85	9.99	7.03
	10	2132		7.28	5.82	7.82	6.26	8.41	6.32	9.04	6.47	9.77	6.83
	20	2056		7.13	5.57	7.67	5.99	8.24	6.06	8.86	6.33	9.57	6.51
	30	1984		6.99	5.30	7.52	5.69	8.08	5.77	8.69	6.03	9.38	6.26
	40	1869		6.76	4.97	7.27	5.34	7.82	5.43	8.40	5.68	9.08	5.89
	50	1726		6.47	4.62	6.95	4.97	7.48	5.02	8.04	5.19	8.68	5.46

Note: 1.DB=dry bulb;WB=wet bulb;sensible=sensible heat;total=total heat.

2.Water flow is per Physical Data,air flow is at high speed.

3. Recommended selection range.

Heat transfer correction factor at different fan speed

Model		02	03	04	06	08	10	12
Medium speed	Sensible	0.84	0.83	0.84	0.85	0.85	0.85	0.87
	Tot al	0.90	0.85	0.86	0.88	0.87	0.88	0.89
Low speed	Sensible	0.64	0.68	0.75	0.71	0.70	0.69	0.69
	Tot al	0.73	0.72	0.78	0.75	0.74	0.73	0.73



Cooling Capacity - 3 Rows Standard Type

YGFC Fan coil Units

(kW)

Model	External Static Pressure (Pa)	Air Flow (m³/h)	Inlet Water Temp. (°C)	Air Entering Temperature									
				DB24°C WB17°C		DB25°C WB18°C		DB26°C WB19°C		DB27°C WB20°C		DB28°C WB21°C	
				TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE
02	0	386	6	1.89	1.52	2.03	1.63	2.18	1.65	2.34	1.67	2.48	1.73
	10	364		1.82	1.44	1.96	1.54	2.11	1.56	2.27	1.59	2.40	1.65
	20	331		1.73	1.33	1.86	1.43	2.00	1.45	2.15	1.46	2.28	1.53
	30	228		1.40	1.05	1.51	1.13	1.62	1.14	1.75	1.16	1.85	1.21
	40	182		1.24	0.90	1.33	0.97	1.43	0.98	1.54	0.99	1.64	1.04
	50	117		0.97	0.68	1.04	0.73	1.12	0.74	1.21	0.75	1.28	0.79
	0	386	7	1.75	1.44	1.88	1.55	2.02	1.59	2.17	1.61	2.34	1.65
	10	364		1.69	1.35	1.82	1.45	1.95	1.47	2.10	1.50	2.27	1.59
	20	331		1.60	1.25	1.72	1.35	1.85	1.36	1.99	1.42	2.15	1.46
	30	228		1.30	0.98	1.40	1.06	1.50	1.07	1.62	1.12	1.75	1.16
	40	182		1.15	0.84	1.24	0.91	1.33	0.92	1.43	0.97	1.54	1.00
	50	117		0.90	0.64	0.97	0.69	1.04	0.70	1.12	0.72	1.21	0.76
03	0	559	6	2.81	2.27	3.03	2.44	3.25	2.47	3.50	2.50	3.71	2.58
	10	527		2.72	2.15	2.93	2.31	3.15	2.33	3.39	2.37	3.59	2.47
	20	475		2.57	1.98	2.76	2.12	2.97	2.15	3.19	2.17	3.39	2.27
	30	462		2.53	1.89	2.72	2.03	2.93	2.06	3.15	2.08	3.34	2.18
	40	379		2.27	1.64	2.44	1.77	2.62	1.79	2.82	1.81	2.99	1.90
	50	300		1.99	1.40	2.14	1.51	2.30	1.52	2.47	1.54	2.62	1.62
	0	559	7	2.61	2.15	2.80	2.32	3.01	2.37	3.24	2.40	3.50	2.46
	10	527		2.52	2.02	2.71	2.17	2.92	2.19	3.14	2.24	3.39	2.37
	20	475		2.38	1.86	2.56	2.00	2.75	2.02	2.96	2.11	3.19	2.17
	30	462		2.34	1.78	2.52	1.91	2.71	1.94	2.91	2.02	3.15	2.10
	40	379		2.10	1.54	2.26	1.66	2.43	1.68	2.61	1.76	2.82	1.83
	50	300		1.84	1.32	1.98	1.42	2.13	1.43	2.29	1.48	2.47	1.56
04	0	753	6	3.84	3.10	4.13	3.33	4.44	3.36	4.77	3.41	5.06	3.51
	10	721		3.75	2.95	4.03	3.17	4.33	3.21	4.66	3.26	4.94	3.39
	20	678		3.62	2.79	3.90	3.00	4.19	3.04	4.50	3.06	4.77	3.20
	30	607		3.41	2.54	3.66	2.73	3.94	2.77	4.23	2.80	4.49	2.93
	40	522		3.13	2.27	3.37	2.44	3.62	2.48	3.89	2.50	4.13	2.63
	50	415		2.75	1.94	2.96	2.08	3.18	2.11	3.42	2.13	3.63	2.24
	0	753	7	3.55	2.94	3.82	3.16	4.11	3.24	4.42	3.27	4.77	3.36
	10	721		3.47	2.78	3.73	2.98	4.01	3.02	4.31	3.09	4.66	3.26
	20	678		3.35	2.62	3.61	2.82	3.88	2.85	4.17	2.98	4.50	3.06
	30	607		3.15	2.39	3.39	2.57	3.65	2.60	3.92	2.72	4.23	2.82
	40	522		2.90	2.13	3.12	2.29	3.35	2.33	3.60	2.44	3.89	2.53
	50	415		2.55	1.82	2.74	1.96	2.95	1.98	3.17	2.04	3.42	2.15
06	0	1067	6	4.37	3.53	4.70	3.79	5.06	3.83	5.44	3.88	5.76	4.00
	10	1016		4.26	3.35	4.58	3.60	4.92	3.64	5.29	3.70	5.61	3.85
	20	961		4.12	3.17	4.43	3.41	4.77	3.45	5.13	3.49	5.43	3.65
	30	929		4.05	3.02	4.35	3.25	4.68	3.30	5.03	3.33	5.33	3.49
	40	808		3.74	2.71	4.02	2.92	4.33	2.96	4.65	2.98	4.93	3.14
	50	671		3.38	2.38	3.63	2.56	3.90	2.59	4.20	2.61	4.45	2.75
	0	1067	7	4.05	3.35	4.35	3.60	4.68	3.69	5.03	3.73	5.44	3.83
	10	1016		3.94	3.15	4.24	3.39	4.56	3.43	4.90	3.50	5.29	3.70
	20	961		3.82	2.98	4.11	3.21	4.41	3.25	4.75	3.39	5.13	3.49
	30	929		3.75	2.84	4.03	3.05	4.33	3.09	4.66	3.24	5.03	3.35
	40	808		3.47	2.55	3.73	2.74	4.01	2.78	4.31	2.91	4.65	3.02
	50	671		3.13	2.23	3.36	2.40	3.61	2.43	3.89	2.51	4.20	2.64
08	0	1547	6	7.47	6.03	8.04	6.48	8.64	6.55	9.29	6.64	9.85	6.84
	10	1483		7.30	5.75	7.85	6.18	8.44	6.25	9.07	6.35	9.62	6.61
	20	1408		7.09	5.45	7.62	5.87	8.20	5.94	8.82	6.00	9.34	6.27
	30	1334		6.88	5.13	7.40	5.52	7.96	5.60	8.55	5.66	9.07	5.93
	40	1226		6.56	4.76	7.06	5.11	7.59	5.20	8.16	5.23	8.65	5.51
	50	1096		6.16	4.34	6.63	4.67	7.13	4.72	7.66	4.76	8.12	5.01
	0	1547	7	6.92	5.72	7.44	6.15	8.00	6.30	8.60	6.37	9.29	6.54
	10	1483		6.76	5.41	7.27	5.81	7.81	5.87	8.40	6.01	9.07	6.35
	20	1408		6.57	5.13	7.06	5.52	7.59	5.58	8.16	5.83	8.82	6.00
	30	1334		6.37	4.83	6.85	5.19	7.37	5.26	7.92	5.50	8.55	5.70
	40	1226		6.08	4.47	6.53	4.80	7.03	4.88	7.55	5.10	8.16	5.30
	50	1096		5.71	4.08	6.14	4.38	6.60	4.43	7.10	4.58	7.66	4.82
10	0	1853	6	8.76	7.07	9.42	7.60	10.13	7.68	10.90	7.78	11.55	8.02
	10	1787		8.59	6.76	9.24	7.27	9.93	7.36	10.68	7.47	11.32	7.78
	20	1711		8.38	6.45	9.01	6.93	9.69	7.02	10.42	7.09	11.05	7.41
	30	1655		8.23	6.14	8.85	6.60	9.52	6.70	10.23	6.78	10.85	7.09
	40	1562		7.97	5.77	8.57	6.21	9.21	6.31	9.90	6.35	10.50	6.69
	50	1444		7.62	5.37	8.20	5.77	8.82	5.84	9.48	5.89	10.05	6.20
	0	1853	7	8.11	6.71	8.73	7.21	9.38	7.39	10.09	7.47	10.90	7.67
	10	1787		7.95	6.36	8.55	6.84	9.20	6.91	9.89	7.07	10.68	7.47
	20	1711		7.76	6.06	8.35	6.52	8.97	6.60	9.65	6.89	10.42	7.09
	30	1655		7.62	5.77	8.19	6.21	8.81	6.29	9.47	6.58	10.23	6.82
	40	1562		7.38	5.42	7.93	5.83	8.53	5.92	9.17	6.20	9.90	6.43
	50	1444		7.06	5.04	7.59	5.42	8.16	5.48	8.78	5.66	9.48	5.96
12	0	2054	6	9.67	7.80	10.40	8.39	11.18	8.47	12.02	8.59	12.74	8.85
	10	1974		9.46	7.45	10.17	8.01	10.94	8.10	11.76	8.22	12.46	8.57
	20	1904		9.27	7.13	9.97	7.67	10.72	7.77	11.52	7.84	12.21	8.20
	30	1837		9.09	6.78	9.77	7.29	10.51	7.40	11.30	7.48	11.97	7.83
	40	1730		8.79	6.37	9.45	6.85	10.16	6.96	10.93	7.00	11.58	7.38
	50	1598		8.41	5.92	9.04	6.37	9.72	6.44	10.45	6.49	11.08	6.84
	0	2054	7	8.95	7.40	9.63	7.96	10.35	8.15	11.13	8.25	12.02	8.47
	10	1974		8.76	7.01	9.42	7.53	10.13	7.61	10.89	7.79	11.76	8.22
	20	1904		8.58	6.70	9.23	7.21	9.92	7.30	10.67	7.62	11.52	7.84
	30	1837		8.41	6.37	9.05	6.85	9.73	6.95	10.46	7.26	11.30	7.53
	40	1730		8.14	5.98	8.75	6.43	9.41	6.53	10.12	6.84	10.93	7.09
	50	1598		7.78	5.56	8.37	5.98	9.00	6.04	9.68	6.24	10.45	6.57

Note: 1.DB=dry bulb;WB=wet bulb;sensible=sensible heat;total=total heat.

2.Water flow is per Physical Data,air flow is at high speed.

3. Recommended selection range.

Heat transfer correction factor at different fan speed

Model		02	03	04	06	08	10	12
Medium speed	Sensible	0.84	0.83	0.84	0.85	0.85	0.85	0.87
	Tot al	0.90	0.85	0.86	0.88	0.87	0.88	0.89
Low speed	Sensible	0.64	0.68	0.75	0.71	0.70	0.69	0.69
	Tot al	0.73	0.72	0.78	0.75	0.74	0.73	0.73



Cooling Capacity - 4 Rows Standard Type

YGFC Fan coil Units

(kW)

Model	External Static Pressure (Pa)	Air Flow (m³/h)	Inlet Water Temp. (°C)	Air Entering Temperature									
				DB24°C		DB25°C		DB26°C		DB27°C		DB28°C	
				WB17°C	WB18°C	WB18°C	WB19°C	WB20°C	WB21°C	WB21°C	WB21°C		
TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE	TOTAL	SENSIBLE		
02	0	357	6	1.93	1.56	2.08	1.68	2.24	1.69	2.40	1.72	2.55	1.77
	10	337		1.87	1.47	2.01	1.58	2.16	1.60	2.33	1.63	2.47	1.69
	20	306		1.77	1.36	1.91	1.47	2.05	1.49	2.21	1.50	2.34	1.57
	30	202		1.41	1.05	1.51	1.13	1.63	1.15	1.75	1.16	1.85	1.21
	40	162		1.24	0.90	1.34	0.97	1.44	0.98	1.55	0.99	1.64	1.04
	50	104		0.97	0.68	1.05	0.74	1.12	0.74	1.21	0.75	1.28	0.79
	0	357	7	1.79	1.48	1.93	1.59	2.07	1.63	2.23	1.65	2.40	1.69
	10	337		1.73	1.39	1.86	1.49	2.00	1.51	2.15	1.54	2.33	1.63
	20	306		1.64	1.28	1.77	1.38	1.90	1.40	2.04	1.46	2.21	1.50
	30	202		1.30	0.99	1.40	1.06	1.51	1.08	1.62	1.12	1.75	1.17
	40	162		1.15	0.85	1.24	0.91	1.33	0.92	1.43	0.97	1.55	1.00
	50	104		0.90	0.64	0.97	0.69	1.04	0.70	1.12	0.72	1.21	0.76
03	0	518	6	2.92	2.36	3.15	2.54	3.38	2.56	3.64	2.60	3.85	2.68
	10	488		2.83	2.23	3.04	2.40	3.27	2.42	3.52	2.46	3.73	2.56
	20	440		2.67	2.05	2.87	2.21	3.09	2.24	3.32	2.26	3.52	2.36
	30	428		2.63	1.96	2.83	2.11	3.04	2.14	3.27	2.17	3.47	2.27
	40	351		2.35	1.71	2.53	1.83	2.72	1.86	2.93	1.88	3.10	1.98
	50	278		2.07	1.46	2.22	1.57	2.39	1.58	2.57	1.60	2.73	1.68
	0	518	7	2.71	2.24	2.91	2.41	3.13	2.47	3.37	2.49	3.64	2.56
	10	488		2.62	2.10	2.82	2.26	3.03	2.28	3.26	2.33	3.52	2.46
	20	440		2.47	1.93	2.66	2.08	2.86	2.10	3.07	2.20	3.32	2.26
	30	428		2.44	1.84	2.62	1.98	2.82	2.01	3.03	2.10	3.27	2.18
	40	351		2.18	1.60	2.34	1.72	2.52	1.75	2.71	1.83	2.93	1.90
	50	278		1.91	1.37	2.06	1.47	2.21	1.49	2.38	1.54	2.57	1.62
04	0	697	6	4.03	3.25	4.33	3.49	4.66	3.53	5.01	3.58	5.31	3.69
	10	667		3.93	3.10	4.23	3.33	4.55	3.37	4.89	3.42	5.18	3.56
	20	628		3.80	2.92	4.09	3.14	4.40	3.19	4.73	3.22	5.01	3.36
	30	562		3.57	2.67	3.84	2.87	4.13	2.91	4.44	2.94	4.71	3.08
	40	484		3.29	2.38	3.53	2.56	3.80	2.60	4.09	2.62	4.33	2.76
	50	384		2.89	2.03	3.11	2.19	3.34	2.21	3.59	2.23	3.81	2.35
	0	697	7	3.73	3.08	4.01	3.31	4.31	3.40	4.64	3.43	5.01	3.53
	10	667		3.64	2.91	3.92	3.13	4.21	3.17	4.53	3.24	4.89	3.42
	20	628		3.52	2.75	3.78	2.96	4.07	2.99	4.38	3.13	4.73	3.22
	30	562		3.31	2.51	3.56	2.70	3.83	2.73	4.11	2.86	4.44	2.96
	40	484		3.04	2.24	3.27	2.41	3.52	2.44	3.78	2.56	4.09	2.65
	50	384		2.68	1.91	2.88	2.05	3.09	2.08	3.33	2.15	3.59	2.26
06	0	988	6	4.48	3.62	4.82	3.89	5.18	3.93	5.57	3.98	5.91	4.10
	10	941		4.36	3.44	4.69	3.69	5.04	3.74	5.42	3.79	5.75	3.95
	20	889		4.23	3.25	4.55	3.50	4.89	3.54	5.26	3.58	5.57	3.74
	30	860		4.15	3.10	4.46	3.33	4.80	3.38	5.16	3.42	5.47	3.57
	40	748		3.84	2.78	4.13	2.99	4.44	3.04	4.77	3.06	5.06	3.22
	50	622		3.46	2.44	3.72	2.62	4.00	2.65	4.30	2.67	4.56	2.82
	0	988	7	4.15	3.43	4.46	3.69	4.80	3.78	5.16	3.82	5.57	3.93
	10	941		4.04	3.23	4.34	3.48	4.67	3.51	5.02	3.59	5.42	3.79
	20	889		3.91	3.06	4.21	3.29	4.53	3.33	4.87	3.48	5.26	3.58
	30	860		3.84	2.91	4.13	3.13	4.44	3.17	4.78	3.32	5.16	3.44
	40	748		3.55	2.61	3.82	2.81	4.11	2.85	4.42	2.98	4.77	3.10
	50	622		3.20	2.29	3.45	2.46	3.71	2.49	3.98	2.57	4.30	2.71
08	0	1433	6	7.81	6.30	8.40	6.77	9.03	6.84	9.71	6.94	10.29	7.15
	10	1373		7.63	6.01	8.20	6.46	8.82	6.53	9.48	6.63	10.05	6.91
	20	1304		7.41	5.70	7.97	6.13	8.57	6.21	9.21	6.27	9.77	6.55
	30	1235		7.19	5.37	7.73	5.77	8.31	5.85	8.94	5.92	9.48	6.19
	40	1135		6.86	4.97	7.37	5.34	7.93	5.43	8.53	5.47	9.04	5.76
	50	1014		6.44	4.54	6.93	4.88	7.45	4.93	8.01	4.97	8.49	5.24
	0	1433	7	7.23	5.98	7.78	6.43	8.36	6.58	8.99	6.66	9.71	6.84
	10	1373		7.06	5.65	7.59	6.08	8.17	6.14	8.78	6.28	9.48	6.63
	20	1304		6.86	5.36	7.38	5.76	7.93	5.83	8.53	6.09	9.21	6.27
	30	1235		6.66	5.04	7.16	5.42	7.70	5.50	8.28	5.75	8.94	5.96
	40	1135		6.35	4.67	6.83	5.02	7.34	5.10	7.89	5.33	8.53	5.54
	50	1014		5.96	4.26	6.41	4.58	6.90	4.63	7.42	4.78	8.01	5.04
10	0	1715	6	9.26	7.47	9.96	8.03	10.71	8.11	11.51	8.22	12.20	8.48
	10	1655		9.08	7.15	9.76	7.69	10.50	7.77	11.29	7.89	11.96	8.22
	20	1584		8.86	6.81	9.53	7.33	10.24	7.42	11.01	7.49	11.67	7.84
	30	1533		8.70	6.49	9.35	6.98	10.06	7.08	10.81	7.16	11.46	7.49
	40	1446		8.42	6.10	9.05	6.56	9.73	6.67	10.47	6.71	11.10	7.07
	50	1337		8.06	5.67	8.66	6.10	9.32	6.17	10.02	6.22	10.62	6.55
	0	1715	7	8.58	7.09	9.22	7.62	9.91	7.81	10.66	7.90	11.51	8.11
	10	1655		8.41	6.72	9.04	7.23	9.72	7.31	10.45	7.47	11.29	7.89
	20	1584		8.20	6.41	8.82	6.89	9.48	6.97	10.20	7.28	11.01	7.49
	30	1533		8.05	6.10	8.66	6.56	9.31	6.65	10.01	6.95	10.81	7.21
	40	1446		7.80	5.73	8.38	6.16	9.01	6.26	9.69	6.55	10.47	6.80
	50	1337		7.46	5.33	8.02	5.73	8.63	5.79	9.28	5.98	10.02	6.30
12	0	1902	6	10.22	8.24	10.99	8.86	11.82	8.95	12.71	9.08	13.47	9.35
	10	1828		10.00	7.87	10.75	8.46	11.56	8.56	12.43	8.69	13.17	9.05
	20	1763		9.80	7.54	10.54	8.10	11.33	8.21	12.18	8.29	12.91	8.67
	30	1701		9.61	7.17	10.33	7.71	11.11	7.82	11.94	7.91	12.66	8.27
	40	1602		9.29	6.73	9.99	7.24	10.74	7.36	11.55	7.40	12.24	7.80
	50	1480		8.89	6.26	9.55	6.73	10.27	6.80	11.05	6.86	11.71	7.23
	0	1902	7	9.46	7.82	10.18	8.41	10.94	8.62	11.77	8.72	12.71	8.95
	10	1828		9.26	7.41	9.95	7.96	10.70	8.05	11.51	8.23	12.43	8.69
	20	1763		9.07	7.09	9.75	7.62	10.49	7.71	11.28	8.06	12.18	8.29
	30	1701		8.89	6.74	9.56	7.24	10.28	7.34	11.06	7.68	11.94	7.96
	40	1602		8.60	6.32	9.25	6.80	9.94	6.91	10.69	7.23	11.55	7.50
	50	1480		8.23	5.88	8.85	6.32	9.51	6.38	10.23	6.60	11.05	6.95

Note: 1.DB=dry bulb;WB=wet bulb;sensible=sensible heat;total=total heat.

2.Water flow is per Physical Data,air flow is at high speed.

3. Recommended selection range.

Heat transfer correction factor at different fan speed

Model		02	03	04	06	08	10	12
Medium speed	Sensible	0.84	0.83	0.84	0.85	0.85	0.85	0.87
	Tot al	0.90	0.85	0.86	0.88	0.87	0.88	0.89
Low speed	Sensible	0.64	0.68	0.75	0.71	0.70	0.69	0.69
	Tot al	0.73	0.72	0.78	0.75	0.74	0.73	0.73



Cooling Capacity - 2 Rows High Static Pressure Type

YGFC Fan coil Units

(kW)

Model	External Static Pressure (Pa)	Air Flow (m³/h)	Inlet Water Temp. (°C)	Air Entering Temperature									
				DB24°C		DB25°C		DB26°C		DB27°C		DB28°C	
				WB17°C	WB18°C	WB18°C	WB19°C	WB20°C	WB21°C	WB21°C	WB22°C	WB22°C	WB23°C
02	0	478	6	1.87	1.51	2.01	1.62	2.16	1.64	2.33	1.66	2.47	1.71
	10	450		1.81	1.43	1.95	1.53	2.09	1.55	2.25	1.57	2.38	1.64
	20	428		1.76	1.35	1.89	1.45	2.03	1.47	2.19	1.49	2.32	1.56
	30	282		1.39	1.04	1.50	1.12	1.61	1.14	1.73	1.15	1.84	1.20
	40	197		1.14	0.83	1.23	0.89	1.32	0.90	1.42	0.91	1.50	0.96
	50	129		0.90	0.63	0.97	0.68	1.04	0.69	1.12	0.70	1.19	0.73
	0	478	7	1.73	1.43	1.86	1.54	2.00	1.58	2.16	1.60	2.33	1.64
	10	450		1.68	1.34	1.80	1.44	1.94	1.46	2.08	1.49	2.25	1.57
	20	428		1.63	1.27	1.75	1.37	1.88	1.38	2.02	1.45	2.19	1.49
	30	282		1.29	0.98	1.39	1.05	1.49	1.07	1.60	1.11	1.73	1.16
	40	197		1.06	0.78	1.13	0.83	1.22	0.85	1.31	0.89	1.42	0.92
	50	129		0.83	0.60	0.90	0.64	0.96	0.65	1.04	0.67	1.12	0.70
03	0	754	6	2.84	2.29	3.05	2.46	3.28	2.48	3.53	2.52	3.74	2.59
	10	711		2.74	2.16	2.95	2.32	3.17	2.35	3.41	2.39	3.62	2.49
	20	663		2.64	2.03	2.84	2.18	3.05	2.21	3.28	2.23	3.48	2.33
	30	623		2.55	1.90	2.74	2.05	2.95	2.08	3.17	2.10	3.36	2.20
	40	474		2.19	1.59	2.35	1.70	2.53	1.73	2.72	1.74	2.88	1.84
	50	376		1.92	1.35	2.07	1.46	2.22	1.47	2.39	1.49	2.54	1.57
	0	754	7	2.63	2.17	2.82	2.33	3.04	2.39	3.26	2.42	3.53	2.48
	10	711		2.54	2.03	2.73	2.19	2.94	2.21	3.16	2.26	3.41	2.39
	20	663		2.44	1.91	2.63	2.05	2.82	2.08	3.04	2.17	3.28	2.23
	30	623		2.36	1.79	2.54	1.92	2.73	1.95	2.93	2.04	3.17	2.11
	40	474		2.03	1.49	2.18	1.60	2.34	1.63	2.52	1.70	2.72	1.77
	50	376		1.78	1.27	1.92	1.37	2.06	1.38	2.21	1.43	2.39	1.50
04	0	895	6	3.48	2.81	3.75	3.02	4.03	3.05	4.33	3.09	4.59	3.19
	10	862		3.41	2.69	3.67	2.89	3.95	2.92	4.24	2.97	4.50	3.09
	20	823		3.32	2.56	3.58	2.75	3.84	2.79	4.13	2.81	4.38	2.94
	30	722		3.09	2.31	3.32	2.48	3.57	2.52	3.84	2.55	4.07	2.66
	40	570		2.71	1.96	2.91	2.11	3.13	2.14	3.37	2.16	3.57	2.27
	50	458		2.40	1.69	2.58	1.82	2.77	1.84	2.98	1.85	3.16	1.95
	0	895	7	3.23	2.67	3.47	2.87	3.73	2.94	4.01	2.97	4.33	3.05
	10	862		3.16	2.53	3.40	2.72	3.65	2.75	3.93	2.81	4.24	2.97
	20	823		3.08	2.41	3.31	2.59	3.56	2.62	3.83	2.73	4.13	2.81
	30	722		2.86	2.17	3.08	2.33	3.31	2.36	3.56	2.47	3.84	2.56
	40	570		2.51	1.84	2.70	1.98	2.90	2.01	3.12	2.11	3.37	2.19
	50	458		2.22	1.59	2.39	1.70	2.57	1.72	2.76	1.78	2.98	1.87
06	0	1288	6	4.48	3.61	4.82	3.88	5.18	3.92	5.57	3.98	5.90	4.10
	10	1224		4.35	3.43	4.68	3.69	5.03	3.73	5.41	3.78	5.74	3.94
	20	1170		4.25	3.27	4.57	3.51	4.91	3.56	5.28	3.59	5.60	3.76
	30	1121		4.15	3.09	4.46	3.33	4.79	3.38	5.15	3.41	5.46	3.57
	40	908		3.68	2.67	3.96	2.87	4.26	2.92	4.58	2.94	4.86	3.09
	50	758		3.33	2.35	3.58	2.52	3.85	2.55	4.14	2.57	4.39	2.71
	0	1288	7	4.15	3.43	4.46	3.69	4.80	3.78	5.16	3.82	5.57	3.92
	10	1224		4.03	3.22	4.33	3.47	4.66	3.50	5.01	3.58	5.41	3.78
	20	1170		3.93	3.07	4.23	3.30	4.55	3.34	4.89	3.49	5.28	3.59
	30	1121		3.84	2.91	4.13	3.13	4.44	3.17	4.77	3.31	5.15	3.44
	40	908		3.41	2.51	3.67	2.70	3.94	2.74	4.24	2.87	4.58	2.97
	50	758		3.09	2.20	3.32	2.37	3.57	2.39	3.84	2.48	4.14	2.61
08	0	1943	6	6.99	5.63	7.51	6.06	8.08	6.12	8.69	6.20	9.21	6.39
	10	1867		6.83	5.38	7.35	5.78	7.90	5.85	8.49	5.94	9.00	6.19
	20	1774		6.64	5.11	7.14	5.49	7.68	5.56	8.26	5.62	8.75	5.87
	30	1676		6.43	4.80	6.92	5.16	7.44	5.24	8.00	5.30	8.48	5.54
	40	1607		6.28	4.55	6.76	4.90	7.26	4.98	7.81	5.01	8.28	5.27
	50	1436		5.90	4.16	6.34	4.47	6.82	4.52	7.34	4.56	7.78	4.80
	0	1943	7	6.47	5.35	6.96	5.75	7.48	5.89	8.04	5.96	8.69	6.12
	10	1867		6.33	5.06	6.80	5.44	7.31	5.50	7.86	5.63	8.49	5.94
	20	1774		6.15	4.80	6.61	5.17	7.11	5.23	7.64	5.46	8.26	5.62
	30	1676		5.96	4.51	6.41	4.85	6.89	4.92	7.41	5.14	8.00	5.33
	40	1607		5.82	4.28	6.26	4.60	6.73	4.67	7.23	4.89	7.81	5.07
	50	1436		5.46	3.90	5.87	4.20	6.32	4.24	6.79	4.38	7.34	4.61
10	0	2299	6	7.73	6.24	8.32	6.71	8.94	6.77	9.61	6.87	10.19	7.08
	10	2200		7.54	5.94	8.11	6.39	8.72	6.46	9.38	6.56	9.94	6.83
	20	2082		7.32	5.63	7.87	6.05	8.46	6.13	9.09	6.19	9.64	6.47
	30	2055		7.26	5.42	7.81	5.83	8.40	5.91	9.03	5.98	9.57	6.26
	40	1910		6.97	5.05	7.50	5.43	8.06	5.52	8.67	5.56	9.19	5.85
	50	1738		6.62	4.66	7.11	5.01	7.65	5.07	8.22	5.11	8.72	5.38
	0	2299	7	7.16	5.92	7.70	6.36	8.28	6.52	8.90	6.59	9.61	6.77
	10	2200		6.99	5.59	7.51	6.01	8.08	6.07	8.68	6.21	9.38	6.56
	20	2082		6.77	5.29	7.28	5.69	7.83	5.76	8.42	6.01	9.09	6.19
	30	2055		6.72	5.09	7.23	5.48	7.78	5.55	8.36	5.81	9.03	6.02
	40	1910		6.46	4.75	6.94	5.10	7.46	5.18	8.03	5.42	8.67	5.63
	50	1738		6.13	4.38	6.59	4.70	7.08	4.75	7.61	4.91	8.22	5.17
12	0	2473	6	8.74	7.05	9.40	7.58	10.10	7.65	10.86	7.76	11.52	8.00
	10	2377		8.55	6.73	9.19	7.24	9.88	7.32	10.63	7.43	11.26	7.74
	20	2292		8.38	6.44	9.01	6.93	9.68	7.02	10.41	7.08	11.04	7.41
	30	2212		8.21	6.13	8.83	6.59	9.49	6.69	10.21	6.76	10.82	7.07
	40	2144		8.07	5.85	8.68	6.29	9.33	6.39	10.03	6.43	10.63	6.77
	50	1980		7.72	5.44	8.30	5.84	8.92	5.91	9.60	5.96	10.17	6.28
	0	2473	7	8.09	6.69	8.70	7.19	9.35	7.37	10.06	7.45	10.86	7.65
	10	2377		7.91	6.33	8.51	6.81	9.15	6.88	9.84	7.04	10.63	7.43
	20	2292		7.76	6.06	8.34	6.51	8.97	6.59	9.64	6.89	10.41	7.08
	30	2212		7.60	5.76	8.17	6.19	8.79	6.28	9.45	6.56	10.21	6.81
	40	2144		7.47	5.49	8.03	5.91	8.64	6.00	9.29	6.28	10.03	6.51
	50	1980		7.15	5.10	7.68	5.49	8.26	5.55	8.88	5.73	9.60	6.03

Note: 1.DB=dry bulb;WB=wet bulb;sensible=sensible heat;total=total heat.

2.Water flow is per Physical Data,air flow is at high speed.

3. Recommended selection range.

Heat transfer correction factor at different fan speed

Model		02	03	04	06	08	10	12
Medium speed	Sensible	0.84	0.83	0.84	0.85	0.85	0.85	0.87
	Tot al	0.90	0.85	0.86	0.88	0.87	0.88	0.89
Low speed	Sensible	0.64	0.68	0.75	0.71	0.70	0.69	0.69
	Tot al	0.73	0.72	0.78	0.75	0.74	0.73	0.73



Cooling Capacity - 3 Rows High Static Pressure Type

YGFC Fan coil Units

(kW)

Model	External Static Pressure (Pa)	Air Flow (m³/h)	Inlet Water Temp. (°C)	Air Entering Temperature									
				DB24°C		DB25°C		DB26°C		DB27°C		DB28°C	
				WB17°C	WB18°C	WB19°C	WB20°C	WB21°C	WB22°C	WB23°C	WB24°C	WB25°C	
02	0	443	6	2.13	1.72	2.29	1.85	2.46	1.86	2.65	1.89	2.80	1.95
	10	417		2.06	1.62	2.21	1.74	2.38	1.76	2.56	1.79	2.71	1.86
	20	396		2.00	1.54	2.15	1.65	2.31	1.68	2.49	1.69	2.63	1.77
	30	261		1.59	1.18	1.70	1.27	1.83	1.29	1.97	1.30	2.09	1.37
	40	182		1.30	0.94	1.39	1.01	1.50	1.03	1.61	1.03	1.71	1.09
	50	119	1.02	0.72	1.10	0.78	1.18	0.78	1.27	0.79	1.35	0.83	
	0	443	7	1.97	1.63	2.12	1.75	2.28	1.79	2.45	1.81	2.65	1.86
	10	417		1.91	1.52	2.05	1.64	2.20	1.66	2.37	1.69	2.56	1.79
	20	396		1.85	1.45	1.99	1.56	2.14	1.57	2.30	1.64	2.49	1.69
	30	261		1.47	1.11	1.58	1.20	1.70	1.21	1.82	1.27	1.97	1.31
40	182	1.20		0.88	1.29	0.95	1.39	0.96	1.49	1.01	1.61	1.05	
50	119	0.95	0.68	1.02	0.73	1.10	0.74	1.18	0.76	1.27	0.80		
03	0	698	6	3.31	2.67	3.56	2.87	3.82	2.90	4.11	2.94	4.36	3.03
	10	659		3.20	2.52	3.44	2.71	3.70	2.74	3.98	2.78	4.22	2.90
	20	614		3.08	2.37	3.31	2.54	3.56	2.58	3.82	2.60	4.05	2.72
	30	577		2.97	2.22	3.20	2.39	3.44	2.42	3.70	2.45	3.92	2.56
	40	439		2.55	1.85	2.74	1.99	2.95	2.02	3.17	2.03	3.36	2.14
	50	348	2.24	1.58	2.41	1.70	2.59	1.72	2.79	1.73	2.96	1.82	
	0	698	7	3.06	2.53	3.29	2.72	3.54	2.79	3.81	2.82	4.11	2.89
	10	659		2.96	2.37	3.19	2.55	3.43	2.58	3.68	2.64	3.98	2.78
	20	614		2.85	2.23	3.06	2.39	3.29	2.42	3.54	2.53	3.82	2.60
	30	577		2.75	2.09	2.96	2.24	3.18	2.27	3.42	2.38	3.70	2.46
40	439	2.36		1.74	2.54	1.87	2.73	1.90	2.94	1.98	3.17	2.06	
50	348	2.08	1.48	2.23	1.60	2.40	1.61	2.58	1.67	2.79	1.75		
04	0	829	6	4.09	3.30	4.40	3.55	4.73	3.59	5.09	3.63	5.39	3.75
	10	798		4.01	3.16	4.31	3.39	4.64	3.43	4.98	3.49	5.28	3.63
	20	762		3.91	3.00	4.20	3.23	4.52	3.27	4.86	3.30	5.15	3.45
	30	669		3.63	2.71	3.91	2.91	4.20	2.96	4.52	2.99	4.79	3.13
	40	527		3.18	2.31	3.42	2.48	3.68	2.52	3.96	2.54	4.19	2.67
	50	424	2.82	1.98	3.03	2.13	3.26	2.16	3.50	2.17	3.71	2.29	
	0	829	7	3.79	3.13	4.08	3.37	4.38	3.45	4.71	3.49	5.09	3.58
	10	798		3.71	2.97	3.99	3.19	4.29	3.23	4.62	3.30	4.98	3.49
	20	762		3.62	2.83	3.89	3.04	4.18	3.07	4.50	3.21	4.86	3.30
	30	669		3.36	2.55	3.62	2.74	3.89	2.78	4.18	2.90	4.52	3.01
40	527	2.95		2.17	3.17	2.33	3.41	2.37	3.66	2.47	3.96	2.57	
50	424	2.61	1.86	2.80	2.00	3.01	2.02	3.24	2.09	3.50	2.20		
06	0	1261	6	5.45	4.39	5.85	4.72	6.30	4.77	6.77	4.84	7.18	4.98
	10	1198		5.29	4.17	5.69	4.48	6.12	4.53	6.58	4.60	6.97	4.79
	20	1146		5.16	3.97	5.55	4.27	5.97	4.32	6.42	4.36	6.80	4.56
	30	1098		5.04	3.76	5.42	4.04	5.83	4.10	6.26	4.15	6.64	4.34
	40	889		4.48	3.25	4.82	3.49	5.18	3.55	5.57	3.57	5.90	3.76
	50	742	4.05	2.85	4.36	3.07	4.68	3.10	5.04	3.13	5.34	3.30	
	0	1261	7	5.04	4.17	5.42	4.48	5.83	4.59	6.27	4.64	6.77	4.77
	10	1198		4.90	3.92	5.27	4.21	5.66	4.26	6.09	4.36	6.58	4.60
	20	1146		4.78	3.73	5.14	4.01	5.52	4.06	5.94	4.24	6.42	4.36
	30	1098		4.67	3.53	5.02	3.80	5.39	3.85	5.80	4.03	6.26	4.18
40	889	4.15		3.05	4.46	3.28	4.79	3.33	5.16	3.48	5.57	3.62	
50	742	3.75	2.68	4.03	2.88	4.34	2.91	4.66	3.01	5.04	3.17		
08	0	1799	6	8.20	6.61	8.82	7.11	9.48	7.18	10.20	7.28	10.81	7.51
	10	1729		8.02	6.32	8.62	6.79	9.27	6.87	9.97	6.97	10.57	7.26
	20	1643		7.80	6.00	8.38	6.45	9.01	6.53	9.69	6.59	10.27	6.89
	30	1552		7.55	5.64	8.12	6.06	8.73	6.15	9.39	6.22	9.95	6.50
	40	1488		7.38	5.35	7.93	5.75	8.53	5.84	9.17	5.88	9.72	6.19
	50	1329	6.93	4.88	7.45	5.25	8.01	5.30	8.61	5.35	9.13	5.63	
	0	1799	7	7.59	6.28	8.17	6.75	8.78	6.91	9.44	6.99	10.20	7.18
	10	1729		7.43	5.94	7.99	6.39	8.59	6.46	9.23	6.60	9.97	6.97
	20	1643		7.22	5.64	7.76	6.06	8.35	6.14	8.97	6.41	9.69	6.59
	30	1552		6.99	5.30	7.52	5.70	8.09	5.78	8.69	6.04	9.39	6.26
40	1488	6.83		5.02	7.34	5.40	7.90	5.48	8.49	5.74	9.17	5.95	
50	1329	6.41	4.58	6.90	4.93	7.42	4.98	7.97	5.14	8.61	5.42		
10	0	2129	6	9.30	7.50	10.00	8.06	10.75	8.14	11.56	8.26	12.25	8.51
	10	2037		9.07	7.14	9.75	7.68	10.49	7.77	11.28	7.89	11.95	8.22
	20	1927		8.80	6.77	9.46	7.28	10.17	7.37	10.94	7.44	11.59	7.78
	30	1903		8.73	6.52	9.39	7.01	10.10	7.11	10.86	7.19	11.51	7.52
	40	1768		8.38	6.07	9.01	6.53	9.69	6.64	10.42	6.68	11.05	7.04
	50	1609	7.95	5.60	8.55	6.02	9.20	6.09	9.89	6.14	10.48	6.47	
	0	2129	7	8.61	7.12	9.26	7.65	9.95	7.84	10.70	7.93	11.56	8.14
	10	2037		8.40	6.72	9.03	7.23	9.71	7.30	10.44	7.47	11.28	7.89
	20	1927		8.14	6.36	8.76	6.84	9.42	6.92	10.13	7.23	10.94	7.44
	30	1903		8.09	6.13	8.69	6.59	9.35	6.68	10.05	6.98	10.86	7.24
40	1768	7.76		5.71	8.35	6.14	8.97	6.23	9.65	6.52	10.42	6.77	
50	1609	7.37	5.26	7.92	5.66	8.52	5.72	9.16	5.91	9.89	6.22		
12	0	2314	6	10.70	8.63	11.51	9.28	12.38	9.38	13.31	9.51	14.11	9.80
	10	2224		10.47	8.24	11.26	8.86	12.10	8.97	13.02	9.10	13.80	9.48
	20	2145		10.26	7.89	11.03	8.49	11.86	8.60	12.76	8.68	13.52	9.07
	30	2070		10.06	7.51	10.82	8.07	11.63	8.19	12.50	8.28	13.25	8.66
	40	2006		9.88	7.16	10.63	7.70	11.43	7.83	12.29	7.88	13.02	8.30
	50	1852	9.45	6.66	10.17	7.16	10.93	7.24	11.75	7.30	12.46	7.69	
	0	2314	7	9.91	8.19	10.66	8.81	11.46	9.02	12.32	9.13	13.31	9.37
	10	2224		9.69	7.76	10.42	8.34	11.21	8.43	12.05	8.62	13.02	9.10
	20	2145		9.50	7.42	10.21	7.98	10.98	8.08	11.81	8.44	12.76	8.68
	30	2070		9.31	7.06	10.01	7.59	10.77	7.69	11.58	8.04	12.50	8.34
40	2006	9.15		6.73	9.84	7.24	10.58	7.35	11.38	7.69	12.29	7.98	
50	1852	8.75	6.25	9.41	6.72	10.12	6.79	10.88	7.02	11.75	7.39		

Note: 1.DB=dry bulb;WB=wet bulb;sensible=sensible heat;total=total heat.

2.Water flow is per Physical Data,air flow is at high speed.

3. Recommended selection range.

Heat transfer correction factor at different fan speed

Model		02	03	04	06	08	10	12
Medium speed	Sensible	0.84	0.83	0.84	0.85	0.85	0.85	0.87
	Tot al	0.90	0.85	0.86	0.88	0.87	0.88	0.89
Low speed	Sensible	0.64	0.68	0.75	0.71	0.70	0.69	0.69
	Tot al	0.73	0.72	0.78	0.75	0.74	0.73	0.73



Cooling Capacity - 4 Rows High Static Pressure Type

YGFC Fan coil Units

(kW)

Model	External Static Pressure (Pa)	Air Flow (m³/h)	Inlet Water Temp. (°C)	Air Entering Temperature									
				DB24°C		DB25°C		DB26°C		DB27°C		DB28°C	
				WB17°C	WB18°C	WB19°C	WB20°C	WB21°C	WB22°C	WB23°C	WB24°C	WB25°C	
02	0	410	6	2.20	1.77	2.36	1.91	2.54	1.93	2.73	1.95	2.90	2.01
	10	386		2.13	1.67	2.29	1.80	2.46	1.82	2.64	1.85	2.80	1.93
	20	367		2.07	1.59	2.22	1.71	2.39	1.73	2.57	1.75	2.72	1.83
	30	242		1.64	1.22	1.76	1.31	1.89	1.33	2.04	1.35	2.16	1.41
	40	169		1.34	0.97	1.44	1.04	1.55	1.06	1.66	1.07	1.76	1.12
	50	111		1.06	0.75	1.14	0.80	1.22	0.81	1.32	0.82	1.39	0.86
	0	410	7	2.04	1.68	2.19	1.81	2.35	1.85	2.53	1.87	2.73	1.92
	10	386		1.97	1.57	2.12	1.69	2.28	1.71	2.45	1.75	2.64	1.85
	20	367		1.91	1.49	2.06	1.61	2.21	1.63	2.38	1.70	2.57	1.75
	30	242		1.52	1.15	1.63	1.24	1.75	1.25	1.88	1.31	2.04	1.36
	40	169		1.24	0.91	1.33	0.98	1.43	1.00	1.54	1.04	1.66	1.08
	50	111		0.98	0.70	1.05	0.75	1.13	0.76	1.22	0.79	1.32	0.83
03	0	647	6	3.49	2.81	3.75	3.03	4.04	3.06	4.34	3.10	4.60	3.19
	10	610		3.38	2.66	3.63	2.86	3.91	2.89	4.20	2.94	4.45	3.06
	20	568		3.25	2.50	3.49	2.69	3.76	2.72	4.04	2.75	4.28	2.87
	30	534		3.14	2.34	3.37	2.52	3.63	2.56	3.90	2.58	4.14	2.70
	40	406		2.69	1.95	2.90	2.10	3.11	2.13	3.35	2.15	3.55	2.26
	50	323		2.37	1.67	2.55	1.79	2.74	1.81	2.94	1.83	3.12	1.93
	0	647	7	3.23	2.67	3.48	2.87	3.74	2.94	4.02	2.98	4.34	3.06
	10	610		3.13	2.50	3.36	2.69	3.62	2.72	3.89	2.78	4.20	2.94
	20	568		3.01	2.35	3.23	2.53	3.48	2.56	3.74	2.67	4.04	2.75
	30	534		2.91	2.20	3.12	2.37	3.36	2.40	3.61	2.51	3.90	2.60
	40	406		2.49	1.83	2.68	1.97	2.88	2.00	3.10	2.10	3.35	2.17
	50	323		2.19	1.57	2.36	1.68	2.54	1.70	2.73	1.76	2.94	1.85
04	0	767	6	4.32	3.49	4.65	3.75	5.00	3.79	5.38	3.84	5.70	3.96
	10	739		4.23	3.33	4.55	3.59	4.90	3.63	5.26	3.68	5.58	3.84
	20	705		4.13	3.17	4.44	3.41	4.77	3.46	5.13	3.49	5.44	3.65
	30	619		3.84	2.86	4.13	3.08	4.44	3.12	4.77	3.16	5.06	3.30
	40	488		3.36	2.44	3.61	2.62	3.89	2.66	4.18	2.68	4.43	2.82
	50	392		2.97	2.09	3.20	2.25	3.44	2.28	3.70	2.30	3.92	2.42
	0	767	7	4.00	3.31	4.30	3.56	4.63	3.64	4.98	3.69	5.38	3.79
	10	739		3.92	3.14	4.22	3.37	4.53	3.41	4.87	3.49	5.26	3.68
	20	705		3.82	2.98	4.11	3.21	4.42	3.25	4.75	3.39	5.13	3.49
	30	619		3.55	2.69	3.82	2.89	4.11	2.93	4.42	3.07	4.77	3.18
	40	488		3.11	2.29	3.35	2.46	3.60	2.50	3.87	2.61	4.18	2.71
	50	392		2.75	1.97	2.96	2.12	3.18	2.14	3.42	2.21	3.70	2.33
06	0	1168	6	5.66	4.56	6.09	4.91	6.54	4.96	7.04	5.03	7.46	5.18
	10	1110		5.50	4.33	5.91	4.66	6.36	4.71	6.84	4.78	7.25	4.98
	20	1061		5.36	4.13	5.77	4.44	6.20	4.49	6.67	4.54	7.07	4.74
	30	1017		5.24	3.91	5.63	4.20	6.06	4.26	6.51	4.31	6.90	4.51
	40	823		4.66	3.37	5.01	3.63	5.38	3.69	5.79	3.71	6.13	3.91
	50	687		4.21	2.97	4.53	3.19	4.87	3.22	5.23	3.25	5.55	3.43
	0	1168	7	5.24	4.33	5.63	4.66	6.06	4.77	6.52	4.83	7.04	4.96
	10	1110		5.09	4.07	5.48	4.38	5.89	4.43	6.33	4.53	6.84	4.78
	20	1061		4.97	3.88	5.34	4.17	5.74	4.22	6.17	4.41	6.67	4.54
	30	1017		4.85	3.67	5.21	3.95	5.61	4.01	6.03	4.19	6.51	4.34
	40	823		4.31	3.17	4.63	3.41	4.98	3.46	5.36	3.62	5.79	3.76
	50	687		3.90	2.78	4.19	2.99	4.51	3.03	4.85	3.13	5.23	3.29
08	0	1666	6	8.68	7.00	9.33	7.52	10.03	7.60	10.79	7.71	11.44	7.94
	10	1601		8.49	6.68	9.12	7.18	9.81	7.27	10.55	7.38	11.18	7.69
	20	1521		8.25	6.34	8.87	6.82	9.54	6.91	10.25	6.98	10.87	7.29
	30	1437		7.99	5.96	8.59	6.41	9.24	6.51	9.93	6.58	10.53	6.88
	40	1378		7.80	5.65	8.39	6.08	9.02	6.18	9.70	6.22	10.28	6.55
	50	1231		7.33	5.16	7.88	5.55	8.47	5.61	9.11	5.66	9.66	5.96
	0	1666	7	8.03	6.64	8.64	7.14	9.29	7.31	9.99	7.40	10.79	7.60
	10	1601		7.86	6.29	8.45	6.76	9.08	6.83	9.77	6.99	10.55	7.38
	20	1521		7.64	5.97	8.21	6.42	8.83	6.49	9.49	6.78	10.25	6.98
	30	1437		7.40	5.60	7.95	6.03	8.55	6.11	9.20	6.39	9.93	6.62
	40	1378		7.23	5.31	7.77	5.71	8.35	5.80	8.98	6.07	9.70	6.30
	50	1231		6.79	4.85	7.30	5.21	7.85	5.27	8.44	5.44	9.11	5.73
10	0	1972	6	9.97	8.04	10.72	8.64	11.53	8.73	12.39	8.85	13.14	9.12
	10	1886		9.73	7.66	10.46	8.23	11.24	8.33	12.09	8.46	12.82	8.81
	20	1785		9.43	7.25	10.14	7.80	10.90	7.90	11.72	7.98	12.43	8.34
	30	1762		9.36	6.99	10.07	7.51	10.83	7.62	11.64	7.71	12.34	8.06
	40	1637		8.99	6.51	9.66	7.00	10.39	7.12	11.17	7.16	11.84	7.54
	50	1490		8.53	6.01	9.17	6.46	9.86	6.53	10.60	6.59	11.24	6.94
	0	1972	7	9.23	7.63	9.93	8.20	10.67	8.40	11.48	8.50	12.39	8.73
	10	1886		9.01	7.20	9.68	7.75	10.41	7.83	11.20	8.01	12.09	8.46
	20	1785		8.73	6.82	9.39	7.34	10.10	7.42	10.86	7.75	11.72	7.98
	30	1762		8.67	6.57	9.32	7.06	10.02	7.16	10.78	7.48	11.64	7.76
	40	1637		8.32	6.12	8.95	6.58	9.62	6.68	10.35	6.99	11.17	7.26
	50	1490		7.90	5.64	8.49	6.06	9.13	6.13	9.82	6.33	10.60	6.67
12	0	2143	6	11.48	9.26	12.35	9.96	13.28	10.06	14.27	10.20	15.13	10.51
	10	2059		11.23	8.84	12.08	9.51	12.98	9.62	13.96	9.76	14.80	10.17
	20	1986		11.01	8.47	11.83	9.10	12.72	9.22	13.68	9.31	14.50	9.73
	30	1917		10.79	8.05	11.60	8.66	12.47	8.78	13.41	8.88	14.22	9.29
	40	1857		10.60	7.68	11.40	8.26	12.26	8.39	13.18	8.45	13.97	8.90
	50	1715		10.14	7.14	10.90	7.68	11.73	7.77	12.61	7.83	13.36	8.25
	0	2143	7	10.63	8.79	11.43	9.45	12.29	9.68	13.22	9.79	14.27	10.05
	10	2059		10.40	8.32	11.18	8.94	12.02	9.04	12.93	9.25	13.96	9.76
	20	1986		10.19	7.96	10.96	8.56	11.78	8.66	12.67	9.05	13.68	9.31
	30	1917		9.99	7.57	10.74	8.14	11.55	8.25	12.42	8.62	13.41	8.94
	40	1857		9.82	7.22	10.55	7.76	11.35	7.88	12.20	8.25	13.18	8.56
	50	1715		9.39	6.71	10.10	7.21	10.86	7.29	11.67	7.53	12.61	7.93

Note: 1.DB=dry bulb;WB=wet bulb;sensible=sensible heat;total=total heat.

2.Water flow is per Physical Data,air flow is at high speed.

3. Recommended selection range.

Heat transfer correction factor at different fan speed

Model		02	03	04	06	08	10	12
Medium speed	Sensible	0.84	0.83	0.84	0.85	0.85	0.85	0.87
	Tot al	0.90	0.85	0.86	0.88	0.87	0.88	0.89
Low speed	Sensible	0.64	0.68	0.75	0.71	0.70	0.69	0.69
	Tot al	0.73	0.72	0.78	0.75	0.74	0.73	0.73



2 Rows Heating Capacity (2 pipes system)

(KW)

External static Static (Pa)	Inlet Water Temp. (°C)	Air Entering Temperature 20°C													
		02SS	02HS	03SS	03HS	04SS	04HS	06SS	06HS	08SS	08HS	10SS	10HS	12SS	12HS
0.00	40.00	1.82	2.06	2.58	2.99	3.48	3.65	4.37	4.98	6.76	7.36	7.66	8.46	8.59	9.15
10.00		1.76	2.00	2.50	2.89	3.36	3.54	4.23	4.82	6.54	7.12	7.41	8.19	8.32	8.85
20.00		1.67	1.89	2.37	2.75	3.19	3.35	4.01	4.57	6.20	6.75	7.03	7.76	7.89	8.40
30.00		1.51	1.72	2.15	2.49	2.89	3.04	3.64	4.15	5.63	6.13	6.38	7.05	7.16	7.62
40.00		1.34	1.52	1.90	2.20	2.56	2.69	3.21	3.67	4.97	5.41	5.63	6.22	6.32	6.73
50.00		1.05	1.19	1.48	1.72	2.00	2.10	2.51	2.87	3.89	4.23	4.41	4.87	4.94	5.26
0.00	50.00	2.74	3.11	3.88	4.51	5.23	5.50	6.58	7.51	10.18	11.08	11.53	12.74	12.94	13.78
10.00		2.65	3.01	3.76	4.36	5.06	5.33	6.37	7.26	9.85	10.72	11.16	12.33	12.53	13.33
20.00		2.51	2.85	3.56	4.14	4.80	5.05	6.04	6.89	9.34	10.17	10.58	11.70	11.88	12.64
30.00		2.28	2.59	3.23	3.75	4.36	4.58	5.48	6.25	8.47	9.23	9.60	10.61	10.78	11.47
40.00		2.01	2.29	2.86	3.31	3.85	4.05	4.84	5.52	7.48	8.15	8.48	9.37	9.52	10.13
50.00		1.58	1.79	2.24	2.59	3.01	3.17	3.79	4.32	5.85	6.38	6.64	7.33	7.45	7.93
0.00	60.00	3.67	4.17	5.21	6.04	7.02	7.38	8.82	10.06	13.64	14.85	15.46	17.08	17.35	18.47
10.00		3.55	4.03	5.04	5.84	6.79	7.14	8.54	9.74	13.20	14.37	14.96	16.53	16.79	17.87
20.00		3.37	3.83	4.78	5.54	6.44	6.77	8.10	9.23	12.52	13.63	14.19	15.68	15.92	16.95
30.00		3.06	3.47	4.34	5.03	5.84	6.14	7.35	8.38	11.36	12.37	12.87	14.23	14.45	15.38
40.00		2.70	3.07	3.83	4.44	5.16	5.43	6.49	7.40	10.03	10.92	11.37	12.56	12.76	13.58
50.00		2.11	2.40	3.00	3.48	4.04	4.25	5.08	5.79	7.85	8.55	8.90	9.83	9.98	10.63

Note: Water flow and airflow are per physical Data.

3 Rows Heating Capacity (2 pipes system)

(KW)

External static Pressure (Pa)	Inlet Water Temp. (°C)	Air Entering Temperature 20°C													
		02SS	02HS	03SS	03HS	04SS	04HS	06SS	06HS	08SS	08HS	10SS	10HS	12SS	12HS
0.00	40	1.96	2.25	2.84	3.35	3.83	4.08	4.87	5.71	7.59	8.41	8.70	9.77	9.76	10.58
10.00		1.90	2.18	2.74	3.24	3.71	3.95	4.71	5.53	7.34	8.13	8.42	9.45	9.45	10.24
20.00		1.80	2.06	2.60	3.07	3.51	3.74	4.47	5.24	6.96	7.71	7.99	8.96	8.96	9.71
30.00		1.63	1.87	2.36	2.79	3.19	3.40	4.06	4.76	6.32	7.00	7.25	8.13	8.13	8.81
40.00		1.44	1.65	2.09	2.46	2.82	3.00	3.58	4.20	5.58	6.18	6.40	7.18	7.18	7.78
50.00		1.13	1.29	1.63	1.93	2.20	2.35	2.80	3.29	4.37	4.84	5.01	5.62	5.62	6.09
0.00	50	2.95	3.39	4.27	5.04	5.77	6.15	7.34	8.61	11.43	12.66	13.11	14.71	14.70	15.94
10.00		2.86	3.28	4.13	4.88	5.58	5.95	7.10	8.33	11.06	12.25	12.68	14.23	14.23	15.42
20.00		2.71	3.11	3.92	4.62	5.29	5.64	6.73	7.90	10.49	11.62	12.03	13.50	13.49	14.63
30.00		2.46	2.82	3.56	4.20	4.80	5.12	6.11	7.17	9.52	10.54	10.91	12.25	12.24	13.27
40.00		2.17	2.49	3.14	3.71	4.24	4.52	5.40	6.33	8.40	9.31	9.64	10.82	10.81	11.72
50.00		1.70	1.95	2.46	2.90	3.32	3.54	4.22	4.95	6.58	7.29	7.54	8.46	8.46	9.17
0.00	60	3.96	4.54	5.73	6.76	7.73	8.24	9.84	11.54	15.32	16.97	17.57	19.72	19.71	21.36
10.00		3.83	4.39	5.54	6.54	7.48	7.97	9.52	11.16	14.82	16.42	17.00	19.08	19.07	20.67
20.00		3.63	4.17	5.25	6.20	7.09	7.56	9.03	10.59	14.06	15.58	16.12	18.09	18.09	19.61
30.00		3.30	3.78	4.77	5.62	6.44	6.86	8.19	9.61	12.76	14.13	14.63	16.42	16.41	17.79
40.00		2.91	3.34	4.21	4.97	5.68	6.06	7.23	8.48	11.27	12.48	12.92	14.50	14.49	15.71
50.00		2.28	2.61	3.29	3.89	4.45	4.74	5.66	6.64	8.81	9.77	10.11	11.35	11.34	12.29

Note: Water flow and airflow are per physical Data.



4 Rows Heating Capacity (2 pipes system)

(KW)

External static Pressure (Pa)	Inlet Water Temp. (°C)	Air Entering Temperature 20°C													
		02SS	02HS	03SS	03HS	04SS	04HS	06SS	06HS	08SS	08HS	10SS	10HS	12SS	12HS
0.00	40.00	1.94	2.27	2.85	3.42	3.88	4.16	4.97	5.91	7.76	8.70	8.96	10.16	10.02	10.95
10.00		1.88	2.19	2.75	3.31	3.75	4.02	4.81	5.72	7.51	8.42	8.67	9.83	9.69	10.60
20.00		1.78	2.08	2.61	3.14	3.56	3.82	4.56	5.42	7.12	7.99	8.22	9.33	9.19	10.05
30.00		1.62	1.89	2.37	2.85	3.23	3.46	4.14	4.92	6.46	7.25	7.46	8.46	8.34	9.12
40.00		1.43	1.67	2.09	2.52	2.85	3.06	3.65	4.34	5.71	6.40	6.59	7.47	7.37	8.06
50.00		1.12	1.30	1.64	1.97	2.23	2.39	2.86	3.40	4.47	5.01	5.16	5.85	5.76	6.30
0.00	50.00	2.92	3.41	4.29	5.15	5.84	6.26	7.48	8.90	11.69	13.11	13.50	15.31	15.09	16.50
10.00		2.83	3.30	4.15	4.99	5.65	6.06	7.24	8.61	11.31	12.69	13.06	14.81	14.60	15.97
20.00		2.68	3.13	3.93	4.73	5.36	5.75	6.87	8.16	10.73	12.03	12.39	14.05	13.84	15.14
30.00		2.43	2.84	3.57	4.29	4.87	5.21	6.23	7.41	9.73	10.92	11.24	12.75	12.56	13.74
40.00		2.15	2.51	3.15	3.79	4.30	4.61	5.50	6.54	8.60	9.64	9.93	11.26	11.09	12.13
50.00		1.68	1.96	2.47	2.96	3.36	3.60	4.31	5.12	6.73	7.54	7.77	8.81	8.68	9.49
0.00	60.00	3.92	4.57	5.75	6.91	7.83	8.40	10.03	11.93	15.67	17.57	18.09	20.52	20.22	22.12
10.00		3.79	4.43	5.56	6.68	7.58	8.12	9.71	11.54	15.16	17.00	17.51	19.86	19.57	21.40
20.00		3.60	4.20	5.27	6.34	7.19	7.70	9.21	10.94	14.38	16.13	16.60	18.83	18.56	20.30
30.00		3.26	3.81	4.79	5.75	6.52	6.99	8.35	9.93	13.05	14.63	15.07	17.09	16.84	18.42
40.00		2.88	3.36	4.23	5.08	5.76	6.17	7.38	8.77	11.52	12.92	13.31	15.09	14.87	16.26
50.00		2.25	2.63	3.31	3.97	4.51	4.83	5.77	6.86	9.02	10.11	10.41	11.81	11.64	12.73

Note: Water flow and airflow are per physical Data.

1 Rows Heating Capacity (4 pipes system)

(KW)

External static Pressure (Pa)	Inlet Water Temp. (°C)	Air Entering Temperature 20°C													
		02SS	02HS	03SS	03HS	04SS	04HS	06SS	06HS	08SS	08HS	10SS	10HS	12SS	12HS
0.00	40.00	0.91	1.03	1.36	1.60	1.86	1.98	2.12	2.64	3.62	3.98	4.25	4.51	4.69	5.19
10.00		0.88	1.00	1.32	1.55	1.80	1.92	2.05	2.55	3.50	3.85	4.11	4.36	4.54	5.02
20.00		0.84	0.95	1.25	1.47	1.71	1.82	1.94	2.42	3.32	3.65	3.90	4.14	4.30	4.76
30.00		0.76	0.86	1.14	1.33	1.55	1.65	1.76	2.20	3.02	3.31	3.54	3.75	3.90	4.32
40.00		0.67	0.76	1.00	1.18	1.37	1.46	1.56	1.94	2.66	2.92	3.12	3.31	3.45	3.81
50.00		0.53	0.59	0.78	0.92	1.07	1.14	1.22	1.52	2.08	2.29	2.44	2.59	2.70	2.98
0.00	50.00	1.38	1.55	2.05	2.41	2.80	2.99	3.19	3.97	5.45	5.99	6.40	6.79	7.06	7.81
10.00		1.33	1.50	1.99	2.34	2.71	2.89	3.09	3.85	5.28	5.79	6.19	6.57	6.83	7.56
20.00		1.26	1.43	1.89	2.21	2.57	2.74	2.93	3.65	5.01	5.49	5.87	6.23	6.48	7.17
30.00		1.15	1.29	1.71	2.01	2.33	2.49	2.66	3.31	4.54	4.99	5.33	5.65	5.88	6.51
40.00		1.01	1.14	1.51	1.77	2.06	2.20	2.35	2.92	4.01	4.40	4.70	4.99	5.19	5.75
50.00		0.79	0.89	1.18	1.39	1.61	1.72	1.84	2.29	3.14	3.45	3.68	3.91	4.06	4.50
0.00	60.00	1.84	2.08	2.75	3.24	3.76	4.01	4.28	5.33	7.31	8.03	8.57	9.10	9.46	10.47
10.00		1.78	2.02	2.67	3.13	3.63	3.88	4.14	5.16	7.08	7.77	8.30	8.80	9.16	10.14
20.00		1.69	1.91	2.53	2.97	3.45	3.68	3.93	4.89	6.71	7.37	7.87	8.35	8.68	9.61
30.00		1.54	1.73	2.29	2.69	3.13	3.34	3.56	4.44	6.09	6.68	7.14	7.58	7.88	8.72
40.00		1.36	1.53	2.03	2.38	2.76	2.95	3.15	3.92	5.38	5.90	6.31	6.69	6.96	7.70
50.00		1.06	1.20	1.58	1.86	2.16	2.30	2.46	3.07	4.21	4.62	4.93	5.24	5.44	6.03

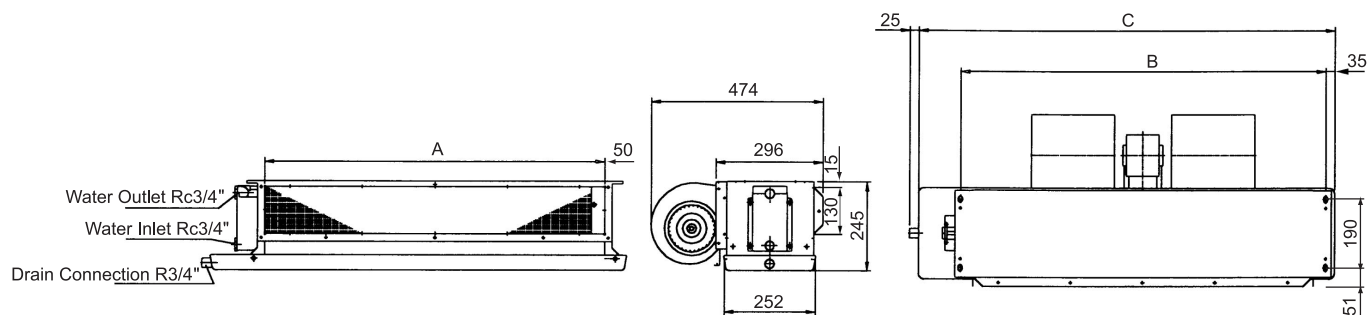
Note: Airflow are per physical Data, Water flow are per 1/3 of physical Data.

Heat Transfer Correction Factor of Different Fan Speed

Model	02S	02H	03S	03H	04S	04H	06S	06H	08S	08H	10S	10H	12S	12H
Medium speed	0.90	0.94	0.85	0.85	0.86	0.87	0.88	0.88	0.87	0.86	0.87	0.88	0.88	0.89
Low speed	0.72	0.85	0.73	0.76	0.76	0.76	0.75	0.76	0.72	0.74	0.72	0.74	0.72	0.74



Ceiling Concealed Type



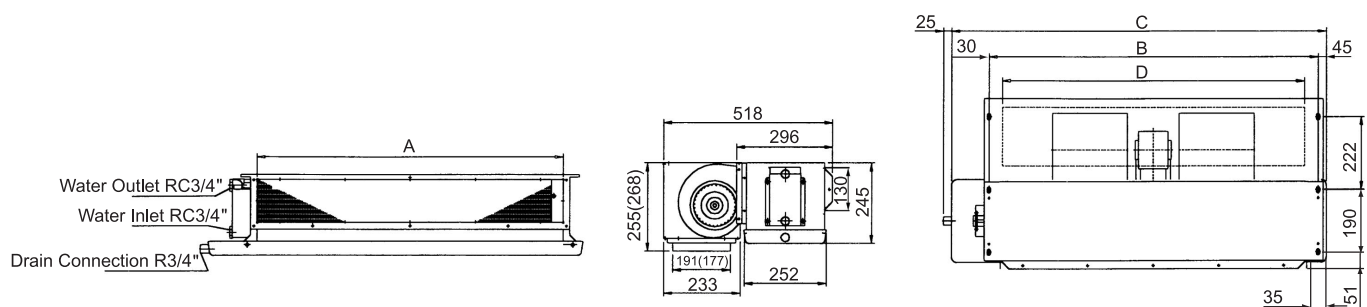
Model	A	B	C(Length)	C*(Length)	Width	Hight	Plenum Conn.Dim.
YGFC-02-CC-2(3,4)-S(H)	485	515	730	830	474	245	485x130
YGFC-03-CC-2(3,4)-S(H)	585	615	830	930	474	245	585x130
YGFC-04-CC-2(3,4)-S(H)	685	715	930	1030	474	245	685x130
YGFC-06-CC-2(3,4)-S(H)	905	935	1150	1250	474	245	905x130
YGFC-08-CC-2(3,4)-S(H)	1205	1235	1450	1550	474	245	1205x130
YGFC-10-CC-2(3,4)-S(H)	1305	1335	1550	1650	474	245	1305x130
YGFC-12-CC-2(3,4)-S(H)	1505	1535	1750	1850	474	245	1505x130

Notel: 1.Right hand unit shown, left hand unit opposite.

2.The plenum connection (down plenum or back plenum) can be changed in according to field installation.

3.C* is the dimension for extended drain pan. (option).

Ceiling Concealed Type with Down Return Plenum



Model	A	B	C(Length)	C*(Length)	D	Width	Hight	Plenum Conn.Dim.
YGFC-02-CD-2(3,4)-S(H)	485	515	740	Øfi 840	493	518	245	485x130
YGFC-03-CD-2(3,4)-S(H)	585	615	840	Øfi 940	593	518	245	585x130
YGFC-04-CD-2(3,4)-S(H)	685	715	940	1040	693	518	245	685x130
YGFC-06-CD-2(3,4)-S(H)	905	935	1160	1260	913	518	245	905x130
YGFC-08-CD-2(3,4)-S(H)	1205	1235	1460	1560	1213	518	245	1205x130
YGFC-10-CD-2(3,4)-S(H)	1305	1335	1560	1660	1313	518	245	1305x130
YGFC-12-CD-2(3,4)-S(H)	1505	1535	1760	1860	1513	518	245	1505x130

Notel: 1.Right hand unit shown, left hand unit opposite.

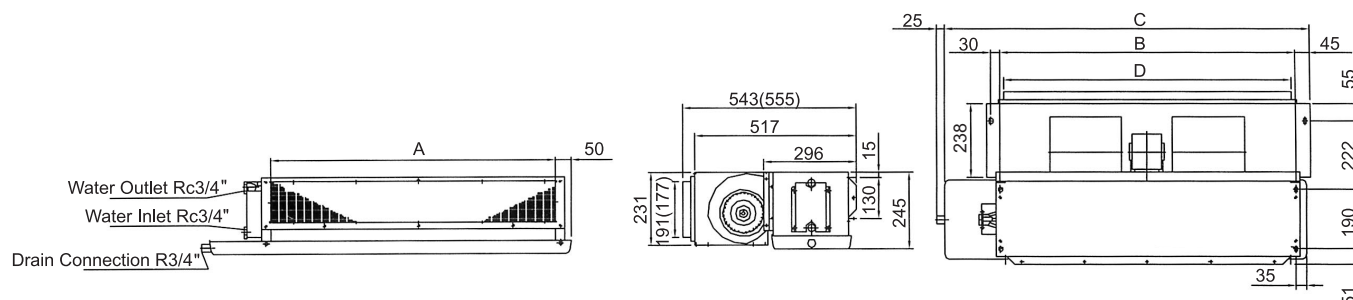
2.The plenum connection (down plenum or back plenum) can be changed in according to field installation.

3.C* is the dimension for extended drain pan. (Option)

4.The dimension in () refer to plenum with filter.



Ceiling Concealed with Back Return Plenum



Model	A	B	C(Length)	C*(Length)	D	Width	Hight	Plenum Conn.Dim.
YGFC-02-CB-2(3,4)-S(H)	485	515	740	840	493	543(555)	245	485x130
YGFC-03-CB-2(3,4)-S(H)	585	615	840	940	593	543(555)	245	585x130
YGFC-04-CB-2(3,4)-S(H)	685	715	940	1040	693	543(555)	245	685x130
YGFC-06-CB-2(3,4)-S(H)	905	935	1160	1260	913	543(555)	245	905x130
YGFC-08-CB-2(3,4)-S(H)	1205	1235	1460	1560	1213	543(555)	245	1205x130
YGFC-10-CB-2(3,4)-S(H)	1305	1335	1560	1660	1313	543(555)	245	1305x130
YGFC-12-CB-2(3,4)-S(H)	1505	1535	1760	1860	1513	543(555)	245	1505x130

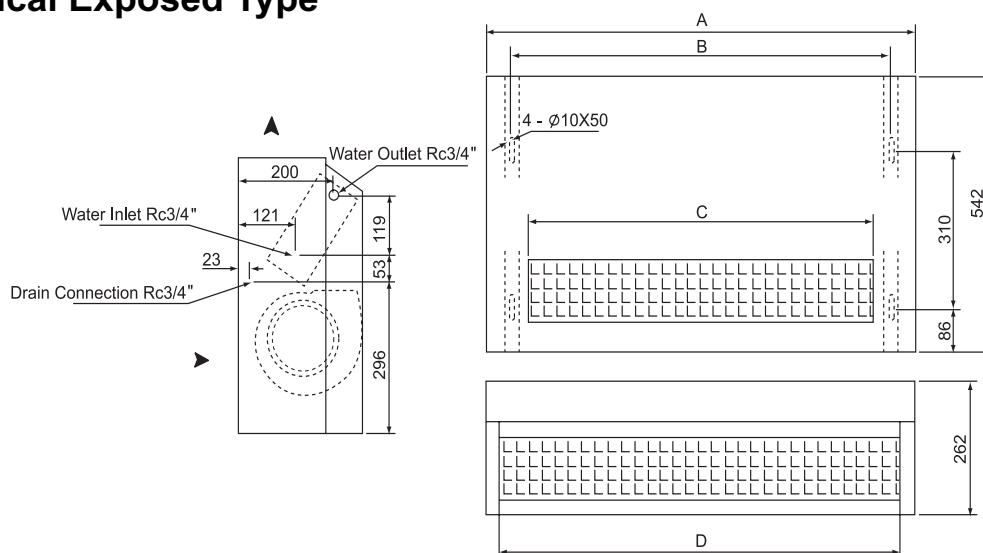
Notel: 1.Right hand unit shown, left hand unit opposite.

2.The plenum connection (down plenum or back plenum) can be changed in according to field installation.

3.C* is the dimension for extended drain pan. (option).

4.The dimension in 0 refers to plenum with filter.

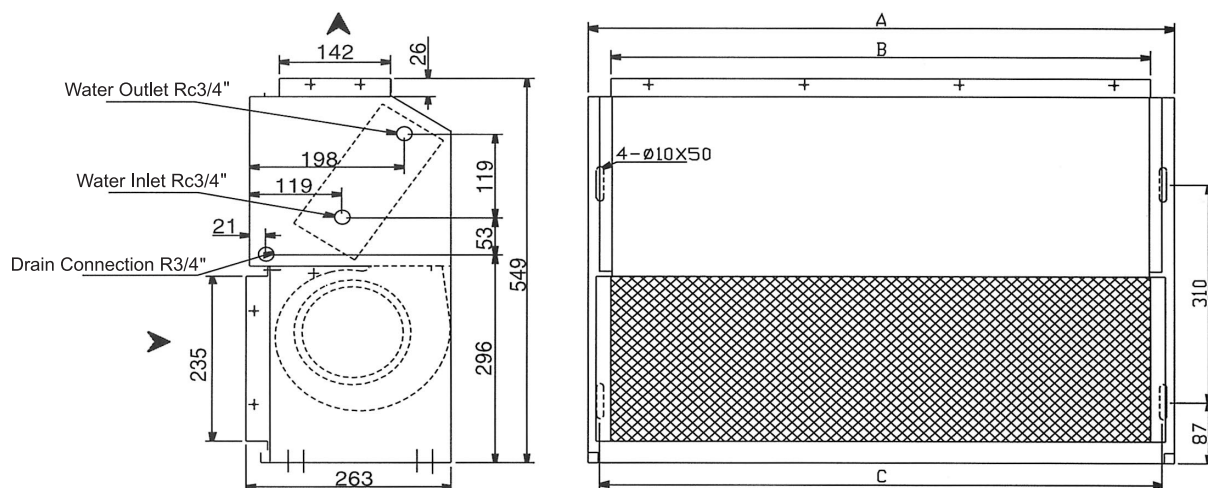
Ceiling, Vertical Exposed Type



Model	A(Length)	B	C	D	Width	Hight
YGFC-02-CE(VE)-2(3,4)-S(H)	906	625	725	845	262	542
YGFC-03-CE(VE)-2(3,4)-S(H)	1026	725	846	966	262	542
YGFC-04-CE(VE)-2(3,4)-S(H)	1147	825	966	1092	262	542
YGFC-06-CE(VE)-2(3,4)-S(H)	1388	1045	1207	1328	262	542
YGFC-08-CE(VE)-2(3,4)-S(H)	1630	1345	1448	1570	262	542
YGFC-10-CE(VE)-2(3,4)-S(H)	1750	1445	1569	1690	262	542
YGFC-12-CE(VE)-2(3,4)-S(H)	1990	1645	1809	1930	262	542

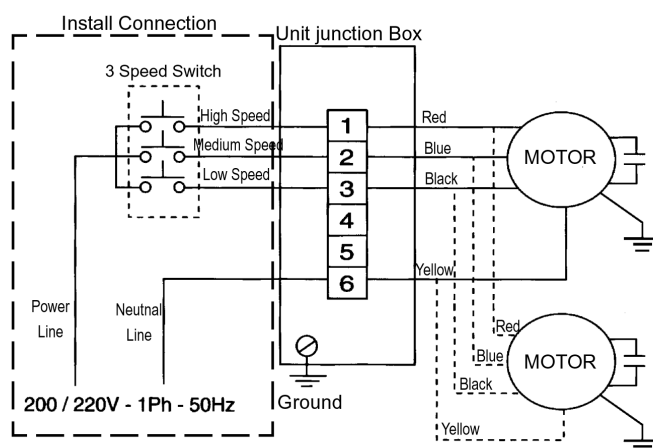


Vertical Concealed Type



Model	A(Length)	B	C	Width	Hight	Pleum Conn.Dim
YGFC-02-VC-2(3,4)-S(H)	655	595	625	263	549	595X142
YGFC-03-VC-2(3,4)-S(H)	755	695	725	263	549	695X142
YGFC-04-VC-2(3,4)-S(H)	855	795	825	263	549	795X142
YGFC-06-VC-2(3,4)-S(H)	1075	1015	1045	263	549	1015X142
YGFC-08-VC-2(3,4)-S(H)	1375	1315	1345	263	549	1315X142
YGFC-10-VC-2(3,4)-S(H)	1475	1415	1445	263	549	1415X142
YGFC-12-VC-2(3,4)-S(H)	1675	1615	1645	263	549	1615X142

CC/CB/CD/CE/VE/VC Wiring



Warning: Connect lines correctly, it will cause motor damage.

note: 1. Multiple fan coil units can not be controlled by one switch.

2. Power line and neutral line can't be connected wrong.

*Subject to change without notice.



YORK INTERNATIONAL

FORM NO. :E120.YGFC(GZF)(0503)
SUPERSEDES:E120.YGFC(GZF)(0602)