



**AHRI** CERTIFIED<sup>®</sup>  
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Air-Cooling and Air-Heating Coils  
AHRI Standard 410

## Chilled Water Fan Coil Unit Floor standing Type



**Air Conditioner Model : TGF\_WH (Water coil)**

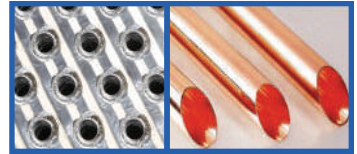
**Deliver cool air further to every area of the room**

Modern design. Touch screen control. Durable casing. Four directional louvers deliver strong airflow yet quiet operation.

## Cooling Coil (Chilled Water)

- AHRI Certified Coils

AHRI Certified is the trusted mark of performance for heating, air conditioning, water heating, and commercial refrigeration equipment. Products earning the mark are subject to rigorous, independent, annual evaluation to ensure that they perform according to the participant's published claims. Certifying equipment and component performance allows consumers to compare products based on independently verified performance ratings. To find AHRI Certified products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



- Constructed of copper tube with corrugated aluminium fin
- High heat transfer surface
- Leak tested at 250 psig

## Modern Design



### Touch Control

Modern Touch-interface control panel



### Backlit Display

Easy to see in the dark



### Remote Control (Option)

Operate the air conditioner from a distance



### Airflow Direction Control

Horizontal and vertical louvers deliver airflow in 4 directions.



### 4-Step Motor

4 steps adjustable wind blow  
High - Medium - Low - Auto  
For Turbo cool or Quiet cool

## Easy to clean and maintenance

Easy front access for cleaning and maintenance.



Blower and fan motor set



Supply air grille



Return air grille and air filter



Evaporator coil and drain pan

## Easy to Install

Easy and Time-saving Installation 3 outlets for chilled water pipe and drain pipes, suitable for every space.



Left side



Rear side



Right side

# With International standard quality guaranteed by customers over 70 countries

## Physical Data

Model	TGF	40WH	50WH	60WH	80WH	90WH	100WH	120WH	150WH	200WH	250WH
Nominal Cooling Capacity	BTU/Hr	42,100	51,700	58,600	82,100	94,200	110,200	117,600	159,200	204,100	253,100
	W	12,338	15,152	17,174	24,061	27,607	32,296	34,465	46,657	59,816	74,176
Power Supply	V/Ph/Hz	220/1/50									
Power Consumption	Watt	653	598		1,544			1,193	3,089		
Rated Current	A	3.11	2.72		7.02			5.44	14.04		
Air Flow Rate	CFM	1,300	1,600	2,000	2,600	3,000	3,300	4,000	5,000	6,500	8,000
	m³/h	2,209	2,718	3,398	4,417	5,097	5,607	6,796	8,495	11,044	13,592
Water Flow Rate	GPM	8.42	10.34	11.72	16.42	18.84	22.04	23.52	31.84	40.82	50.62
	L/s	0.53	0.65	0.74	1.04	1.19	1.39	1.48	2.01	2.58	3.19
Cooling Coil Type	Type	Aluminium Corrugated Fin With Plain Copper Tube									
	Inch	1/2									
Blower Set	Type	Multi Blade Centrifugal Fan									
	Blower	Q'ty	1	2				4			
	Fan Motor	Q'ty	1		2				4		
Control	Type	Built-in Digital Thermostat (Option Wireless Remote Control)									
Air Filter	Type	Washable PP.Net									
Pipe Connection	Water In	Inch(OD)	3/4	1	1-1/4			1-1/2	2		
	Water Out	Inch(OD)	3/4	1	1-1/4			1-1/2	2		
	Drain	Inch	7/8								
Dimension	Height	mm.	1,850								
	Width	mm.	582	830		1,079			1,619	2,117	
	Depth	mm.	463	403		503			403	503	
Weight	Kg	85	105	108	136	137	140	143	216	280	286

\*Nominal capacity based on : Entering. Air temp. 80° F db /67°F wb  
Chilled water temp inlet/outlet 45/55°F



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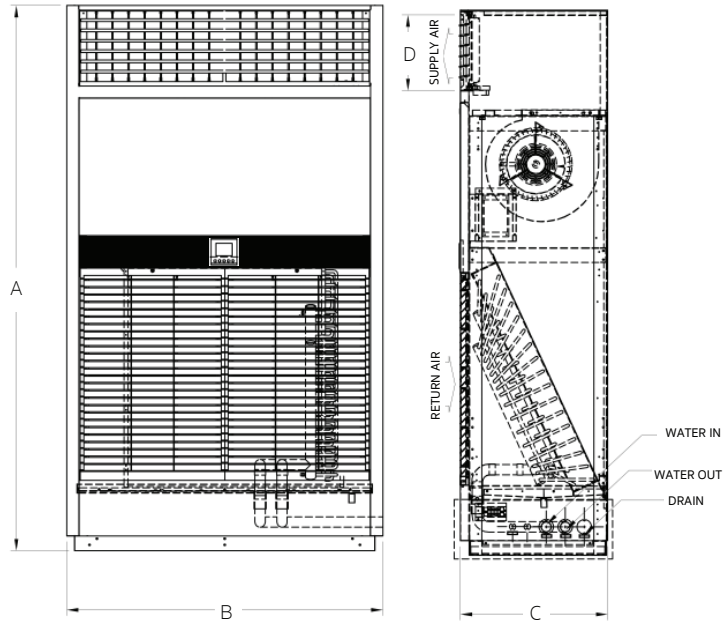


Model	Entering Chilled Water Temp. (°F)	Entering Air Temp.(° Fdb/°Fwb )															
		76/63				78/65				80/67				82/69			
		Total Capacity (BTUH)	Sensible Capacity (BTU/Hr)	Chilled Water Flow Rate (GPM)	Water Pressure Drop (ft.wg)	Total Capacity (BTUH)	Sensible Capacity (BTU/Hr)	Chilled Water Flow Rate (GPM)	Water Pressure Drop (ft.wg)	Total Capacity (BTUH)	Sensible Capacity (BTU/Hr)	Chilled Water Flow Rate (GPM)	Water Pressure Drop (ft.wg)	Total Capacity (BTUH)	Sensible Capacity (BTU/Hr)	Chilled Water Flow Rate (GPM)	Water Pressure Drop (ft.wg)
TGF-40WH	40	28,900	23,000	5.78	1.22	33,800	24,800	6.76	1.60	42,000	28,400	8.40	2.34	50,000	31,400	10.00	3.19
	45	28,700	24,000	5.74	2.43	34,900	26,500	6.98	3.44	42,100	29,300	8.42	4.77	49,600	31,900	9.92	6.36
	50	27,300	24,000	5.46	7.47	33,600	27,000	6.72	10.77	40,400	29,500	8.08	14.87	47,500	31,800	9.50	19.74
TGF-50WH	40	36,300	28,000	7.26	1.75	43,400	31,600	8.68	2.40	52,700	35,500	10.54	3.37	62,000	38,900	12.40	4.50
	45	35,300	29,000	7.06	3.37	43,100	32,600	8.62	4.80	51,700	35,900	10.34	6.62	60,500	39,000	12.10	8.70
	50	33,200	30,000	6.64	10.18	40,800	32,900	8.16	14.60	48,900	35,800	9.78	20.09	57,400	38,500	11.48	26.62
TGF-60WH	40	41,300	33,000	8.26	1.10	45,300	34,000	9.06	1.29	57,100	39,300	11.42	1.94	68,800	43,900	13.76	2.69
	45	41,500	35,000	8.30	2.24	48,100	37,300	9.62	2.91	58,600	41,500	11.72	4.11	69,300	45,300	13.86	5.54
	50	39,900	37,000	7.98	7.01	47,400	39,000	9.48	9.49	57,300	42,500	11.46	13.26	67,500	45,900	13.50	17.70
TGF-80WH	40	58,800	46,000	11.76	2.67	70,500	51,400	14.10	3.68	84,600	57,100	16.92	5.08	99,100	62,400	19.82	6.70
	45	56,600	47,000	11.32	5.07	68,800	52,300	13.76	7.14	82,100	57,400	16.42	9.77	95,900	62,100	19.18	12.80
	50	52,900	48,000	10.58	15.10	64,400	52,400	1.28	21.37	77,200	56,900	15.44	29.34	90,500	61,200	18.10	38.81
TGF-90WH	40	68,000	54,000	13.60	3.65	82,100	59,700	16.42	5.08	97,900	66,100	19.58	6.93	114,100	71,900	22.82	9.08
	45	64,900	54,000	12.98	6.80	79,100	60,200	15.82	9.65	94,200	65,800	18.84	13.13	109,700	71,100	21.94	17.14
	50	60,500	55,000	12.10	20.20	73,400	60,000	14.68	28.46	87,900	65,000	17.58	38.99	103,000	69,800	20.60	51.49
TGF-100WH	40	81,000	63,000	16.20	5.65	99,000	71,000	19.80	8.04	116,800	77,800	23.36	10.75	134,800	84,100	26.96	13.82
	45	76,300	63,000	15.26	10.30	93,300	70,000	18.66	14.68	110,200	76,200	22.04	19.63	127,700	82,000	25.54	25.42
	50	68,600	62,000	13.72	28.73	84,800	68,400	16.96	41.55	101,100	74,000	20.22	56.59	118,200	79,400	23.64	74.79
TGF-120WH	40	84,800	68,000	16.96	1.69	96,400	71,600	19.28	2.13	118,100	80,900	23.62	3.03	139,900	89,100	27.98	4.09
	45	83,200	71,000	16.64	3.32	97,500	75,300	19.50	4.39	117,600	83,200	23.52	6.10	138,400	90,500	27.68	8.13
	50	79,000	73,000	15.80	10.17	93,900	77,500	18.78	13.77	113,100	84,300	22.62	19.13	133,100	90,700	26.62	25.44
TGF-150WH	40	117,500	92,000	23.50	6.83	143,300	103,500	28.66	9.68	168,800	113,300	33.76	12.91	194,900	122,300	38.98	16.60
	45	110,300	92,000	22.06	12.38	134,700	102,000	26.94	17.54	159,200	111,000	31.84	23.57	184,600	119,400	36.92	30.52
	50	100,600	92,000	20.12	35.19	122,600	100,100	24.52	49.98	149,300	108,200	29.86	68.08	171,000	115,900	34.20	89.55
TGF-200WH	40	147,800	117,000	29.56	3.69	179,300	130,400	35.86	5.20	213,000	143,600	42.60	7.02	247,800	156,000	49.56	9.17
	45	140,600	118,000	28.12	6.84	171,700	130,500	34.34	9.73	204,100	142,700	40.82	13.21	237,500	154,000	47.50	17.21
	50	130,900	120,000	26.18	20.23	158,500	129,800	31.70	28.51	190,000	140,600	38.00	39.01	222,600	150,900	44.52	51.50
TGF-250WH	40	186,200	147,000	37.24	6.34	227,300	164,400	45.46	9.01	267,900	180,100	53.58	12.04	309,500	194,500	61.90	15.49
	45	175,100	146,000	35.02	11.54	214,000	162,300	42.80	16.38	253,100	176,700	50.62	22.03	293,500	190,200	58.70	28.55
	50	160,400	147,000	32.08	33.08	195,200	159,500	39.04	46.82	232,900	172,500	46.58	63.81	272,300	184,800	54.46	83.87

Capacity base on : Water temperature rise : 10 °F

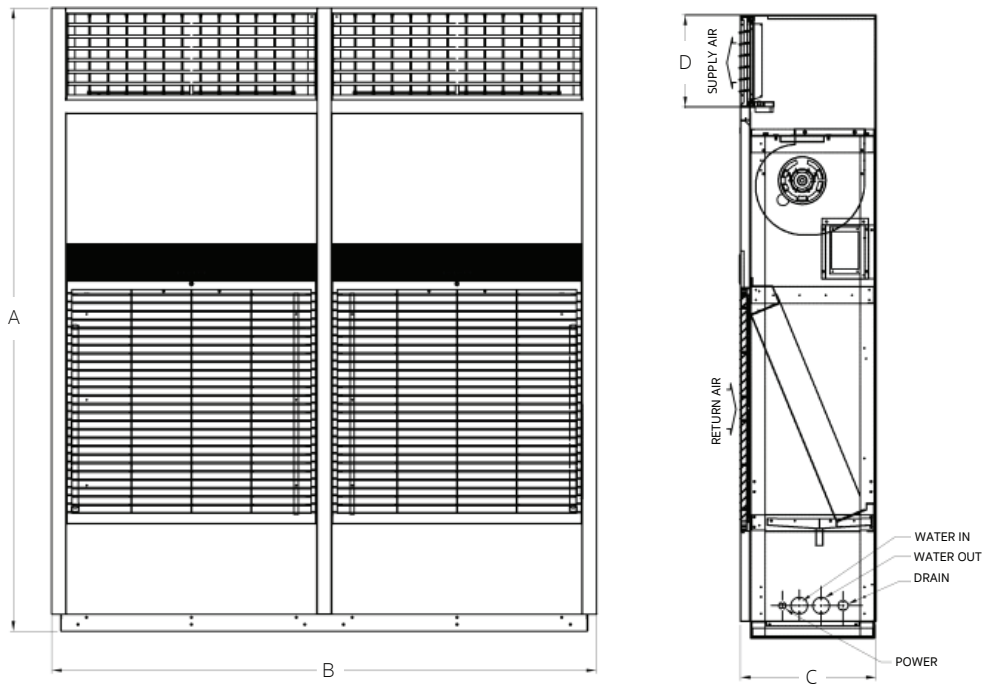
# Dimensional Drawings

## TGF-40WH to TGF-120WH



Model	Dimension : TGF_WH				
	A	B	C	D	WATER (IN/OUT)
40WH	1,850	582	463	257	7/8"
50WH	1,850	830	403	273	7/8"
60WH	1,850	830	403	273	1-1/8"
80WH	1,850	1,079	503	257	1-3/8"
90WH	1,850	1,079	503	257	1-3/8"
100WH	1,850	1,079	503	257	1-3/8"
120WH	1,850	1,079	503	257	1-3/8"

## TGF-150WH to TGF-250WH



Model	Dimension : TGF_WH				
	A	B	C	D	WATER (IN/OUT)
150WH	1,850	1,619	403	273	1-1/2"
200WH	1,850	2,117	503	257	2"
250WH	1,850	2,117	503	297	2"