ROOFTOP PACKAGED

TTER AIR CONDITIONERS GREE MAKING BETTER AIR CONDITIONERS GREE MAKING BETTER AIR CONDITIONERS GREE MAKING BE

TECHNICAL SALES GUIDE-50&60Hz

CAPACITY RANGE:5~25TON

SUPER HIGH AMBIENT OPERATION TO 52℃

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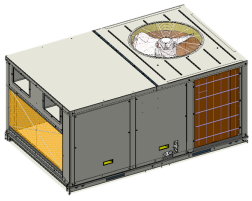
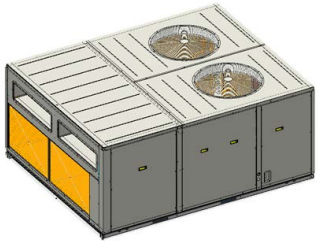


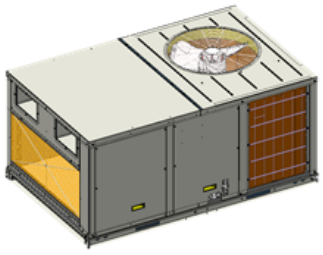
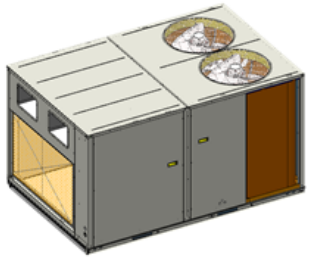
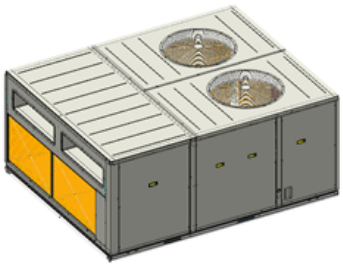


R410A

GREE ELECTRIC APPLIANCES INC.OF ZHUHAI

CONTENTS

1 MODELS LIST

Model	Nominal Capacity (Ton)	Refrigerant	Power Supply (Ph, V, Hz)	Appearance
GK-H05TH3AX	5	R410A	3Ph, 380-415V, 50&60Hz	
GK-H08TH3AX	8		3Ph, 380-415V, 50&60Hz	
GK-H15TH3AX	15		3Ph, 380-415V, 50&60Hz	
GK-C25TH3AH	25		3Ph, 380-415V, 60Hz	

2 NOMENCLATURE

2.1 GREE Single Packaged Roof Top Air Conditioners

GK	-	H	05	T	H	3	A	X
1		2	3	4	5	6	7	8

NO.	Description	Options
1	Product Category	GK=GREE Rooftop Packaged Air Conditioner.
2	Product Function Code	C = Cooling only type; H = Heat pump type.
3	Cooling/Heating Capacity	03=3Ton; 05=5Ton; 10=10Ton; 15=15Ton...
4	Operating Condition	T=T3 Condition; N=T1 Condition.
5	Airflow Options	H=Horizontal; C=Convertible.
6	Refrigerant Options	1=R22; 2=R407C; 3=R410A; 4=R134a.
7	Design Code	A,B,C....
8	Voltage Options	D=220V,60Hz,1Ph ; F=220V,60Hz,3P K=220V,50Hz,1Ph ; M=380-415V,50Hz,3Ph X=380-415V,50&60Hz,3Ph

3 FUNCTION

GREE R410A rooftop packaged units provide a wide capacity range from 5 to 25 Ton. These units are completely assembled, piped and wired at the factory to provide one-piece shipment and rigging. Each unit is pressurized with a holding charge of refrigerant-410A for storage and shipping.

GREE R410A rooftop packaged units can offer the perfect combination of superior product quality, high operating efficiency and cost efficiency.

The compact design, attractive appearance, outstanding anti-rust cabinet and quiet operation make these units suitable for almost any manufactured or modular homes.

The careful design from each part to the whole unit, together with the all-round process test and unit test, offers the high reliability for the whole system.

Perfect system protections can guarantee the safety of the system at utmost and get rid of the irreparable damage to the compressor or other critical parts under the harsh working conditions.

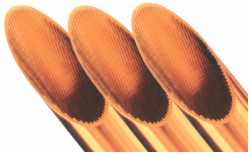
Compressors are mounted on rubber isolators to reduce the vibration during transportation. Vertical discharge condenser fans direct sound upward and away from any surrounding structures.

All sheet metal parts are constructed of commercial grade galvanized steel. After fabricated, each part is thoroughly cleaned to remove any grease or dirt from its surfaces. The external parts are coated with a power-paint to assure a quality finish for many years. The power-paint finishes with 750-hour salt spray test.

4 FEATURES

Standard Features

- High reliability
  The careful design from each part to the whole unit, together with the all-round process test and unit test, offers the high reliability for the whole system.
- High efficient coil
  Internal screw copper pipe and aluminum fin is used. It makes the coil exchanging heat efficiently.



- **Long-term durability**
  Perfect system protections can guarantee the safety of the system at utmost and get rid of the irreparable damage to the compressor or other critical parts under the harsh working conditions
- Quiet operation
  The Vertical discharge condenser fan blowing upward, it carries the sound away from any surrounding structures.

- **High/low pressure protection**
  When suction pressure is too low or discharge pressure is too high, compressor will stop and unit display malfunction code.
- **Discharge high temperature protection**
  Once the discharge temperature of compressor is higher than allowable value, compressor will stop and unit display malfunction code.
- **Anti-high temperature protection(Suitable for Heat pump type)**
  Once the heat exchanger temperature of indoor unit is too high ,the outdoor fan motor will stop.
- **Anti-freezing protection**
  When it is detected that the temperature of the evaporator is too low, the compressor will stop to protection the whole system.
- **Over-current protection**
  When it is detected that the running current of the compressor comes abnormal, the compressor will stop to protection the whole system.
- Washable filter
  The filter can be washed for using again.
- Compact structure and easy installation
  A smaller dimension makes a larger loading quantity. All units feature base rail design with forklift slots and rigging holes for easier maneuvering.
  Durable packaging protects all units during shipment and storage.
  The package had been validated in vibration laboratory.
- Simple electrical connections
  Electric box facilitate connections to room thermostat or outdoor thermostat. Both power and control connections are made on the same side of the unit to simplify installation. In addition, color-coded wires permit easy tracing and diagnostics.

Unit protections

Special protections have been taken for the control of the inverter unit to prevent it from being damaged,including:

- PFC or IPM module protection
  When the PFC or IPM module works abnormally, the unit will stop to protect the whole system.
- DC busbar voltage protection
  When the voltage of the DC bus comes abnormal, the unit will stop the protect the compressor.
- PFC or IPM temperature too high protection
  When the temperature of the PFC or the IPM module is too high, the unit will stop to protect the whole system.
- Anti-high temperature protection
  Once the heat exchanger temperature of indoor unit is too high ,the outdoor fan motor will stop.
- Compressor frequency control
  The final running frequency of the compressor is limited to the minimum value to realize the lowest energy consumption.
- Change rate of the compressor
  The frequency change rate varies with the change of the load.
- 4-way valve control
  For the heat pump units, the unit is able to perform heating through the 4-way valve.
- Automatic defrosting
  when the heat pump unit performs heating, the automatic defrosting will work in according to the frosting condition on the outdoor unit so as to protect the whole system.
- Low-temperature cooling
  The unit is able to work reliably under the -15°C ambient environment through adjusting the running speed of the outdoor unit's fan.
- Deicing
  Deicing: the electric heating tape on the chassis will perform heating to prevent the chassis icing which would affect the performance of the unit.

Rigorous Test

- Rain Test
  Place the unit on the test table, energize it, and then shower the unit round and round along the direction of the condenser and the fan with the spraying nozzle above the test table. This test lasts for 30 minutes with the water pressure of 1.0kgf/cm^2. After the test, the unit should be immediately conducted for the dielectric strength test.
- Random Vibration Test
  Place a sample on the vibration table in the same way as it is put for normal transportation or as per the test requirement. Around the sample, guard rails with an interval of some 15mm should be installed.
  Set the test parameters, overall g rms: 1.14G, test frequency: 2Hz-200Hz, test duration: 4h.
  Report the temperature and humidity at the test field. After the test, check if the packaging and the inside sample are damaged or not.
- Long Run Test
  With the rated/low/high voltage, the unit is conducted to run in the cooling and heating mode alternately for the long run test, frequent ON/OFF test and refrigerant leakage test lasting for 1000 hours (approx. 42 days).

5 SPECIFICATIONS

5.1 Product Data at Rated Condition

Due to continuous improvement on the products, the specifications listed below are subject to change without notice, and the ones on the products nameplate should be referred to as final.

Nominal Capacity		(Ton)	5	8	15	25
Model Name			GK-H05TH3AX	GK-H08TH3AX	GK-H15TH3AX	GK-C25TH3AH
Performance (Cooling)	Net Cooling Capacity	Btu/h	54000 (15500~60000)	95500 (31000~108000)	170600 (50000~187600)	260000
		W	15800 (4540~17500)	28000 (9080~31650)	50000 (14650~54980)	76000
	Air Circulation	CFM (m^3/h)	1711 (2900)	2832 (4800)	5310 (9000)	9298 (15800)
	Rated ESP	In.wg (Pa)	0.2 (50)	0.24 (60)	0.36 (90)	0.8 (200)
	EER (AEER)	Btu/h/ W	11.5 (3.20)	11.2 (3.15)	11 (3.10)	9.1 ( )
Electrical Data (Cooling)	Power Supply	V ,Hz, Ph	380~415V-50Hz/60Hz-3Ph	380~415V-50Hz/60Hz-3Ph	380~415V-50Hz/60Hz-3Ph	380~415V-60Hz-3Ph
	Current Input	Amps	8.3	15.2	27.2	60
	Power Input	W	4700	8500	15230	28500
Performance (Heating)	Net Heating Capacity	Btu/h	62000 (15000~75000)	97200 (31000~112600)	170600 (50000~187600)	/
		W	18200 (4400~21980)	28480 (9080~33000)	50000 (14650~54980)	/
	Air Circulation	CFM (m^3/h)	1711 (2900)	2832 (4800)	5310 (9000)	/
	Rated ESP	In.wg (Pa)	0.2 (50)	0.24 (60)	0.36 (90)	/
	COP (ACOP)	Btu/h/ W	12.4 (3.50)	11.4 (3.20)	11.4 (3.15)	/
Electrical Data (Heating)	Power Supply	V ,Hz, Ph	380~415V-50Hz/60Hz-3Ph	380~415V-50Hz/60Hz-3Ph	380~415V-50Hz/60Hz-3Ph	/
	Current Input	Amps	8.8	15.2	26.8	/
	Power Input	W	5000	8500	15000	/
Indoor Coil	Type		Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
	Face Area	sq.ft (m^2)	8.72 (0.81)	13.56 (1.26)	20.99 (1.95)	24.07 (2.24)
	Row/FPI		3/16	3/16	4/16	4/14
Indoor fan	Type		Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan
	Quantity		1	1	2	1
	Diameter	inch	8.8	9.4	9.4	17.6
	Drive Type		Direct	Direct	Direct	Belt
	Motor output	Hp	1	1	2	10
	Motor rpm	rpm	900	1150	1200	1752
Compressor	Type		rotary	rotary	rotary	Scroll
	Quantity		1	2	2	2
Outdoor Coil	Type		Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
	Face Area	sq.ft (m^2)	15.93 (1.48)	26.05 (2.42)	44.78 (4.16)	40.8 (3.79)
	Row/FPI		3/16	3/16	3/16	3/16
Outdoor Fan	Type		Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Quantity		1	2	2	2
	Diameter	inch	22.68	22.68	27.56	31.69
	Drive Type		Direct	Direct	Direct	Direct
	Motor output	Hp	1	1	1	3
	Motor rpm	rpm	1000	1000	1000	940
Dehumidifying	l/h		3.8	7.6	15.6	12.63
Sound pressure level	dB (A)		64	69	71	73
Drain Connection Size	inch		1	1	1	1
Refrigerant	Refrigerant charge	kg (lbs)	5	9	15	10.2+10.2
		Type/Circuit	R410a One refrigerant circuit	R410a One refrigerant circuit	R410a One refrigerant circuit	R410a Two refrigerant circuit
	Refrigerant Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Thermal Expansion Valve
Dimensions(W*D*H)	Outline	inch	68.9×43.3×32.1	83.1×57.1×48.4	110.6×88.2×48.4	113×83.5×69.9
		mm	1750×1100×815	2110×1450×1230	2810×2240×1230	2870×2120×1775
	Package	inch	70.3×44.7×32.6	83.5×57.5×49.6	111.0×88.6×49.6	116.1×86.5×77.2
		mm	1785×1135×828	2120×1460×1260	2820×2250×1260	2950×2198×1962
Weight	Net	kg (lbs)	300 (661)	630 (1389)	900 (1984)	1210 (2668)
	Gross	kg (lbs)	310 (683)	650 (1433)	950 (2094)	1346 (2967.9)
Filter			Washable synthetic	Washable synthetic	Washable synthetic	Washable synthetic
Stuffing Quantity	20ft\40ft\40ft(Hi)		12/26/39	4/8/16	2/4/8	2001/4/4

Note:

- The cooling capacity stated above is measured under following conditions
  Indoor Conditions:27℃ (81 ℉)DB/19℃ (67 ℉)WB;
- Outdoor Conditions:35℃ (95 ℉)DB/24℃ (76 ℉)WB;
- The air volume is measured at the relevant standard external static pressure.
  The technical parameters are changed along with the products improvement; please refer to the nameplate of the unit for actual data.

5.2 Performance Data

GK-H05TH3AX（Cooling）

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77° F(25℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
3380	1989	25	0.1	23	73.4	18.52	63.20	13.89	47.40	21.05	71.82	14.73	50.27	21.68	73.97	11.71	39.94
				24	75.2	18.71	63.84	14.97	51.07	21.26	72.55	15.52	52.96	21.90	74.73	12.92	44.09
				27	80.6	18.90	64.49	15.31	52.24	21.48	73.28	16.32	55.69	22.12	75.48	14.38	49.06
				31	87.8	19.09	65.13	16.04	54.71	21.69	74.01	17.14	58.47	22.34	76.24	15.64	53.36
3200	1883	37	0.15	23	73.4	17.47	59.62	13.11	44.72	19.86	67.75	13.90	47.43	20.45	69.78	11.04	37.68
				24	75.2	17.65	60.23	14.12	48.18	20.06	68.44	14.64	49.96	20.66	70.50	12.19	41.59
				27	80.6	17.83	60.84	14.44	49.28	20.26	69.13	15.40	52.54	20.87	71.21	13.57	46.29
				31	87.8	18.01	61.45	15.13	51.61	20.46	69.83	16.17	55.16	21.08	71.92	14.75	50.34
3000	1766	50	0.2	23	73.4	16.60	56.64	12.45	42.48	18.86	64.36	13.20	45.05	19.43	66.29	10.49	35.80
				24	75.2	16.77	57.22	13.42	45.77	19.06	65.02	13.91	47.46	19.63	66.97	11.58	39.51
				27	80.6	16.94	57.80	13.72	46.81	19.25	65.68	14.63	49.91	19.83	67.65	12.89	43.97
				31	87.8	17.11	58.37	14.37	49.03	19.44	66.33	15.36	52.40	20.02	68.32	14.02	47.83
2700	1589	70	0.28	23	73.4	15.38	52.47	11.53	39.35	17.47	59.62	12.23	41.73	18.00	61.41	9.72	33.16
				24	75.2	15.53	53.00	12.43	42.40	17.65	60.23	12.89	43.97	18.18	62.04	10.73	36.60
				27	80.6	15.69	53.54	12.71	43.37	17.83	60.84	13.55	46.24	18.37	62.66	11.94	40.73
				31	87.8	15.85	54.07	13.31	45.42	18.01	61.45	14.23	48.54	18.55	63.29	12.98	44.30

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95° F(35℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
3380	1989	25	0.1	23	73.4	16.84	57.45	12.63	43.09	19.13	65.29	13.39	45.70	19.71	67.25	10.64	36.31
				24	75.2	17.01	58.04	13.61	46.43	19.33	65.95	14.11	48.15	19.91	67.93	11.75	40.08
				27	80.6	17.18	58.63	13.92	47.49	19.53	66.62	14.84	50.63	20.11	68.62	13.07	44.60
				31	87.8	17.35	59.21	14.58	49.74	19.72	67.29	15.58	53.16	20.31	69.30	14.22	48.51
3200	1883	37	0.15	23	73.4	15.89	54.20	11.91	40.65	18.05	61.59	12.64	43.11	18.59	63.44	10.04	34.26
				24	75.2	16.05	54.75	12.84	43.80	18.24	62.22	13.31	45.42	18.78	64.09	11.08	37.81
				27	80.6	16.21	55.31	13.13	44.80	18.42	62.85	14.00	47.77	18.97	64.73	12.33	42.08
				31	87.8	16.37	55.86	13.75	46.92	18.60	63.48	14.70	50.15	19.16	65.38	13.41	45.77
3000	1766	50	0.2	23	73.4	15.09	51.49	11.32	38.62	17.15	58.51	12.00	40.96	17.66	60.27	9.54	32.54
				24	75.2	15.25	52.02	12.20	41.61	17.32	59.11	12.65	43.15	17.84	60.88	10.53	35.92
				27	80.6	15.40	52.54	12.47	42.56	17.50	59.71	13.30	45.38	18.02	61.50	11.72	39.97
				31	87.8	15.55	53.07	13.06	44.58	17.67	60.30	13.96	47.64	18.20	62.11	12.74	43.48
2700	1589	70	0.28	23	73.4	13.98	47.70	10.48	35.77	15.89	54.20	11.12	37.94	16.36	55.83	8.84	30.15
				24	75.2	14.12	48.18	11.30	38.55	16.05	54.75	11.71	39.97	16.53	56.40	9.75	33.27
				27	80.6	14.26	48.67	11.55	39.42	16.21	55.31	12.32	42.03	16.70	56.97	10.85	37.03
				31	87.8	14.41	49.16	12.10	41.29	16.37	55.86	12.93	44.13	16.86	57.54	11.80	40.28

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 115° F(46℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
3380	1989	25	0.1	23	73.4	12.88	43.95	9.66	32.96	14.64	49.95	10.25	34.96	15.08	51.44	8.14	27.78
				24	75.2	13.01	44.40	10.41	35.52	14.79	50.45	10.79	36.83	15.23	51.97	8.99	30.66
				27	80.6	13.14	44.85	10.65	36.33	14.94	50.96	11.35	38.73	15.38	52.49	10.00	34.12
				31	87.8	13.28	45.30	11.15	38.05	15.09	51.47	11.92	40.66	15.54	53.02	10.88	37.11
3200	1883	37	0.15	23	73.4	12.15	41.46	9.11	31.10	13.81	47.12	9.67	32.98	14.22	48.53	7.68	26.21
				24	75.2	12.28	41.89	9.82	33.51	13.95	47.60	10.18	34.75	14.37	49.03	8.48	28.93
				27	80.6	12.40	42.31	10.04	34.27	14.09	48.08	10.71	36.54	14.51	49.52	9.43	32.19
				31	87.8	12.52	42.73	10.52	35.90	14.23	48.56	11.24	38.36	14.66	50.02	10.26	35.01
3000	1766	50	0.2	23	73.4	11.54	39.39	8.66	29.54	13.12	44.76	9.18	31.33	13.51	46.10	7.30	24.90
				24	75.2	11.66	39.79	9.33	31.83	13.25	45.22	9.67	33.01	13.65	46.58	8.05	27.48
				27	80.6	11.78	40.19	9.54	32.56	13.39	45.68	10.17	34.71	13.79	47.05	8.96	30.58
				31	87.8	11.90	40.60	9.99	34.10	13.52	46.13	10.68	36.44	13.93	47.52	9.75	33.26
2700	1589	70	0.28	23	73.4	10.69	36.49	8.02	27.37	12.15	41.46	8.51	29.02	12.52	42.71	6.76	23.06
				24	75.2	10.80	36.86	8.64	29.49	12.28	41.89	8.96	30.58	12.64	43.14	7.46	25.45
				27	80.6	10.91	37.23	8.84	30.16	12.40	42.31	9.42	32.16	12.77	43.58	8.30	28.33
				31	87.8	11.02	37.61	9.26	31.59	12.52	42.73	9.89	33.76	12.90	44.02	9.03	30.81

GK-H05TH3AX（Heating）

Air Flow Rate		ESP		Indoor Air Dry Bulb Temperature		Outdoor Air Dry Bulb Temperature(Outdoor air: 85% RH)									
						-10℃(14℉)		-5℃(23℉)		0℃(32℉)		7℃(44.6℉)		10℃(50℉)	
						Total Capacity		Total Capacity		Total Capacity		Total Capacity		Total Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
3000	1766	50	0.2	16	60.8	15.91	54.28	16.54	56.45	16.80	57.32	21.00	71.65	22.68	77.38
				18	64.4	15.83	54.01	16.46	56.17	16.80	57.32	21.00	71.65	22.68	77.38
				20	68.0	15.75	53.74	16.38	55.89	16.80	57.32	21.00	71.65	22.68	77.38
				22	71.6	15.67	53.47	16.30	55.61	16.80	57.32	21.00	71.65	22.68	77.38
				24	75.2	15.59	53.20	16.22	55.33	16.80	57.32	21.00	71.65	22.68	77.38

GK-H08TH3AX（Cooling）

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77° F(25℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
6000	3531	37	0.15	23	73.4	33.99	115.97	25.49	86.97	38.62	131.78	27.04	92.25	39.78	135.73	21.48	73.30
				24	75.2	34.33	117.15	27.47	93.72	39.02	133.12	28.48	97.18	40.19	137.12	23.71	80.90
				27	80.6	34.68	118.33	28.09	95.85	39.41	134.47	29.95	102.20	40.59	138.50	26.39	90.03
				31	87.8	35.03	119.52	29.42	100.39	39.80	135.81	31.45	107.29	41.00	139.89	28.70	97.92
5800	3414	50	0.2	23	73.4	32.06	109.40	24.05	82.05	36.44	124.32	25.51	87.02	37.53	128.05	20.27	69.15
				24	75.2	32.39	110.52	25.91	88.42	36.81	125.59	26.87	91.68	37.91	129.36	22.37	76.32
				27	80.6	32.72	111.64	26.50	90.42	37.18	126.86	28.26	96.41	38.30	130.66	24.89	84.93
				31	87.8	33.05	112.75	27.76	94.71	37.55	128.13	29.67	101.22	38.68	131.97	27.07	92.38
5400	3178	70	0.28	23	73.4	30.46	103.93	22.85	77.95	34.61	118.10	24.23	82.67	35.65	121.65	19.25	65.69
				24	75.2	30.77	104.99	24.62	83.99	34.97	119.31	25.53	87.10	36.02	122.89	21.25	72.50
				27	80.6	31.08	106.05	25.18	85.90	35.32	120.52	26.84	91.59	36.38	124.13	23.65	80.68
				31	87.8	31.39	107.11	26.37	89.98	35.67	121.72	28.18	96.16	36.74	125.37	25.72	87.76
4600	2707	100	0.4	23	73.4	28.22	96.27	21.16	72.21	32.06	109.40	22.44	76.58	33.03	112.68	17.83	60.85
				24	75.2	28.50	97.26	22.80	77.81	32.39	110.52	23.65	80.68	33.36	113.83	19.68	67.16
				27	80.6	28.79	98.24	23.32	79.57	32.72	111.64	24.87	84.84	33.70	114.98	21.90	74.74
				31	87.8	29.08	99.22	24.43	83.35	33.05	112.75	26.11	89.07	34.04	116.13	23.83	81.29

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95° F(35℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
6000	3531	37	0.15	23	73.4	30.90	105.42	23.17	79.07	35.11	119.80	24.58	83.86	36.16	123.39	19.53	66.63
				24	75.2	31.21	106.50	24.97	85.20	35.47	121.02	25.89	88.35	36.53	124.65	21.55	73.55
				27	80.6	31.53	107.58	25.54	87.14	35.83	122.25	27.23	92.91	36.90	125.91	23.99	81.84
				31	87.8	31.84	108.65	26.75	91.27	36.19	123.47	28.59	97.54	37.27	127.17	26.09	89.02
5800	3414	50	0.2	23	73.4	29.15	99.46	21.86	74.59	33.12	113.02	23.19	79.11	34.12	116.41	18.42	62.86
				24	75.2	29.45	100.47	23.56	80.38	33.46	114.17	24.43	83.35	34.47	117.60	20.33	69.38
				27	80.6	29.74	101.49	24.09	82.20	33.80	115.33	25.69	87.65	34.81	118.79	22.63	77.21
				31	87.8	30.04	102.50	25.23	86.10	34.14	116.48	26.97	92.02	35.16	119.97	24.61	83.98
5400	3178	70	0.28	23	73.4	27.69	94.48	20.77	70.86	31.47	107.37	22.03	75.16	32.41	110.59	17.50	59.72
				24	75.2	27.97	95.45	22.38	76.36	31.79	108.46	23.21	79.18	32.74	111.72	19.32	65.91
				27	80.6	28.26	96.41	22.89	78.09	32.11	109.56	24.40	83.27	33.07	112.85	21.50	73.35
				31	87.8	28.54	97.38	23.97	81.80	32.43	110.65	25.62	87.42	33.40	113.97	23.38	79.78
4600	2707	100	0.4	23	73.4	25.65	87.52	19.24	65.64	29.15	99.46	20.40	69.62	30.02	102.44	16.21	55.32
				24	75.2	25.91	88.42	20.73	70.73	29.45	100.47	21.50	73.34	30.33	103.49	17.89	61.06
				27	80.6	26.17	89.31	21.20	72.34	29.74	101.49	22.61	77.13	30.64	104.53	19.91	67.95
				31	87.8	26.44	90.20	22.21	75.77	30.04	102.50	23.73	80.98	30.94	105.58	21.66	73.90

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 115° F(46℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
6000	3531	37	0.15	23	73.4	23.64	80.65	17.73	60.49	26.86	91.65	18.80	64.15	27.67	94.40	14.94	50.97
				24	75.2	23.88	81.47	19.10	65.18	27.13	92.58	19.81	67.59	27.95	95.36	16.49	56.26
				27	80.6	24.12	82.30	19.54	66.66	27.41	93.52	20.83	71.07	28.23	96.32	18.35	62.61
				31	87.8	24.36	83.12	20.46	69.82	27.68	94.45	21.87	74.62	28.51	97.29	19.96	68.10
5800	3414	50	0.2	23	73.4	22.30	76.08	16.72	57.06	25.34	86.46	17.74	60.52	26.10	89.05	14.09	48.09
				24	75.2	22.53	76.86	18.02	61.49	25.60	87.34	18.69	63.76	26.37	89.96	15.56	53.08
				27	80.6	22.75	77.64	18.43	62.89	25.86	88.22	19.65	67.05	26.63	90.87	17.31	59.07
				31	87.8	22.98	78.41	19.30	65.87	26.12	89.11	20.63	70.39	26.90	91.78	18.83	64.25
5400	3178	70	0.28	23	73.4	21.18	72.28	15.89	54.21	24.07	82.14	16.85	57.50	24.80	84.60	13.39	45.68
				24	75.2	21.40	73.02	17.12	58.41	24.32	82.97	17.75	60.57	25.05	85.46	14.78	50.42
				27	80.6	21.62	73.76	17.51	59.74	24.56	83.81	18.67	63.70	25.30	86.33	16.45	56.11
				31	87.8	21.83	74.49	18.34	62.57	24.81	84.65	19.60	66.87	25.55	87.19	17.89	61.03
4600	2707	100	0.4	23	73.4	19.62	66.95	14.72	50.22	22.30	76.08	15.61	53.26	22.97	78.37	12.40	42.32
				24	75.2	19.82	67.64	15.86	54.11	22.53	76.86	16.44	56.11	23.20	79.17	13.69	46.71
				27	80.6	20.02	68.32	16.22	55.34	22.75	77.64	17.29	59.00	23.44	79.97	15.23	51.98
				31	87.8	20.22	69.00	16.99	57.96	22.98	78.41	18.16	61.95	23.67	80.77	16.57	56.54

GK-H08TH3AX（Heating）

Air Flow Rate		ESP		Indoor Air Dry Bulb Temperature		Outdoor Air Dry Bulb Temperature(Outdoor air: 85% RH)									
						-10℃(14℉)		-5℃(23℉)		0℃(32℉)		7℃(44.6℉)		10℃(50℉)	
						Total Capacity		Total Capacity		Total Capacity		Total Capacity		Total Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
5400	3178	70	0.28	16	60.8	26.13	89.17	27.18	92.74	27.60	94.17	34.50	117.71	37.26	127.13
				18	64.4	26.00	88.73	27.04	92.28	27.60	94.17	34.50	117.71	37.26	127.13
				20	68.0	25.88	88.29	26.91	91.82	27.60	94.17	34.50	117.71	37.26	127.13
				22	71.6	25.75	87.84	26.78	91.36	27.60	94.17	34.50	117.71	37.26	127.13
				24	75.2	25.62	87.40	26.64	90.90	27.60	94.17	34.50	117.71	37.26	127.13

GK-H15TH3AX（Cooling）

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77° F(25℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
9900	5827	50	0.2	23	73.4	50.28	171.55	37.71	128.66	57.13	194.94	39.99	136.46	58.85	200.79	31.78	108.43
				24	75.2	50.79	173.30	40.63	138.64	57.72	196.93	42.13	143.76	59.45	202.84	35.07	119.67
				27	80.6	51.30	175.05	41.56	141.79	58.30	198.92	44.31	151.18	60.05	204.89	39.03	133.18
				31	87.8	51.82	176.80	43.53	148.51	58.88	200.91	46.52	158.72	60.65	206.94	42.45	144.86
9600	5650	70	0.28	23	73.4	47.43	161.84	35.57	121.38	53.90	183.91	37.73	128.73	55.52	189.42	29.98	102.29
				24	75.2	47.92	163.49	38.33	130.79	54.45	185.78	39.75	135.62	56.08	191.36	33.09	112.90
				27	80.6	48.40	165.14	39.20	133.76	55.00	187.66	41.80	142.62	56.65	193.29	36.82	125.64
				31	87.8	48.88	166.79	41.06	140.11	55.55	189.54	43.88	149.73	57.22	195.22	40.05	136.66
9000	5297	90	0.36	23	73.4	45.06	153.75	33.80	115.31	51.21	174.71	35.84	122.30	52.74	179.95	28.48	97.17
				24	75.2	45.52	155.31	36.42	124.25	51.73	176.49	37.76	128.84	53.28	181.79	31.43	107.26
				27	80.6	45.98	156.88	37.24	127.08	52.25	178.28	39.71	135.49	53.82	183.63	34.98	119.36
				31	87.8	46.44	158.45	39.01	133.10	52.77	180.06	41.69	142.25	54.36	185.46	38.05	129.82
7700	4532	125	0.5	23	73.4	41.74	142.42	31.31	106.81	47.43	161.84	33.20	113.29	48.85	166.69	26.38	90.01
				24	75.2	42.17	143.87	33.73	115.10	47.92	163.49	34.98	119.35	49.35	168.39	29.12	99.35
				27	80.6	42.59	145.32	34.50	117.71	48.40	165.14	36.78	125.51	49.85	170.10	32.40	110.56
				31	87.8	43.02	146.78	36.14	123.29	48.88	166.79	38.62	131.77	50.35	171.80	35.25	120.26

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95° F(35℃)											
						Indoor Air Wet Bulb Temperature ° F(℃)											
						62° F(17℃)				67° F(19℃)				72° F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	° F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
3380	1989	50	0.2	23	73.4	45.71	155.95	34.28	116.96	51.94	177.22	36.36	124.05	53.50	182.54	28.89	98.57
				24	75.2	46.17	157.54	36.94	126.04	52.47	179.03	38.30	130.69	54.04	184.40	31.89	108.80
				27	80.6	46.64	159.14	37.78	128.90	53.00	180.84	40.28	137.44	54.59	186.26	35.48	121.07
				31	87.8	47.11	160.73	39.57	135.01	53.53	182.64	42.29	144.29	55.14	188.12	38.60	131.69
3200	1883	70	0.28	23	73.4	43.12	147.13	32.34	110.34	49.00	167.19	34.30	117.03	50.47	172.20	27.25	92.99
				24	75.2	43.56	148.63	34.85	118.90	49.50	168.89	36.14	123.29	50.99	173.96	30.08	102.64
				27	80.6	44.00	150.13	35.64	121.60	50.00	170.60	38.00	129.66	51.50	175.72	33.48	114.22
				31	87.8	44.44	151.63	37.33	127.37	50.50	172.31	39.90	136.12	52.02	177.48	36.41	124.23
3000	1766	90	0.36	23	73.4	40.96	139.77	30.72	104.83	46.55	158.83	32.59	111.18	47.95	163.59	25.89	88.34
				24	75.2	41.38	141.20	33.11	112.96	47.03	160.45	34.33	117.13	48.44	165.26	28.58	97.51
				27	80.6	41.80	142.62	33.86	115.52	47.50	162.07	36.10	123.17	48.93	166.93	31.80	108.51
				31	87.8	42.22	144.05	35.46	121.00	47.98	163.69	37.90	129.32	49.41	168.60	34.59	118.02
2700	1589	125	0.5	23	73.4	37.95	129.47	28.46	97.10	43.12	147.13	30.18	102.99	44.41	151.54	23.98	81.83
				24	75.2	38.33	130.79	30.67	104.63	43.56	148.63	31.80	108.50	44.87	153.09	26.47	90.32
				27	80.6	38.72	132.11	31.36	107.01	44.00	150.13	33.44	114.10	45.32	154.63	29.46	100.51
				31	87.8	39.11	133.43	32.85	112.08	44.44	151.63	35.11	119.79	45.77	156.18	32.04	109.32

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 115°F(46℃)											
						Indoor Air Wet Bulb Temperature °F(℃)											
						62°F(17℃)				67°F(19℃)				72°F(22℃)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
3380	1989	50	0.2	23	73.4	34.97	119.30	26.22	89.48	39.73	135.57	27.81	94.90	40.93	139.64	22.10	75.41
				24	75.2	35.32	120.52	28.26	96.42	40.14	136.96	29.30	99.98	41.34	141.06	24.39	83.23
				27	80.6	35.68	121.74	28.90	98.61	40.55	138.34	30.81	105.14	41.76	142.49	27.14	92.62
				31	87.8	36.04	122.96	30.27	103.28	40.95	139.72	32.35	110.38	42.18	143.91	29.53	100.74
3200	1883	70	0.28	23	73.4	32.99	112.55	24.74	84.41	37.49	127.90	26.24	89.53	38.61	131.74	20.85	71.14
				24	75.2	33.32	113.70	26.66	90.96	37.87	129.20	27.64	94.32	39.00	133.08	23.01	78.52
				27	80.6	33.66	114.85	27.26	93.03	38.25	130.51	29.07	99.19	39.40	134.42	25.61	87.38
				31	87.8	34.00	116.00	28.56	97.44	38.63	131.81	30.52	104.13	39.79	135.77	27.85	95.04
3000	1766	90	0.36	23	73.4	31.34	106.92	23.50	80.19	35.61	121.50	24.93	85.05	36.68	125.15	19.81	67.58
				24	75.2	31.66	108.01	25.33	86.41	35.97	122.74	26.26	89.60	37.05	126.43	21.86	74.59
				27	80.6	31.98	109.11	25.90	88.38	36.34	123.98	27.62	94.23	37.43	127.70	24.33	83.01
				31	87.8	32.30	110.20	27.13	92.57	36.70	125.22	28.99	98.93	37.80	128.98	26.46	90.29
2700	1589	125	0.5	23	73.4	29.03	99.04	21.77	74.28	32.99	112.55	23.09	78.79	33.98	115.93	18.35	62.60
				24	75.2	29.32	100.06	23.46	80.04	33.32	113.70	24.33	83.00	34.32	117.11	20.25	69.10
				27	80.6	29.62	101.07	23.99	81.86	33.66	114.85	25.58	87.28	34.67	118.29	22.54	76.89
				31	87.8	29.92	102.08	25.13	85.74	34.00	116.00	26.86	91.64	35.02	119.48	24.51	83.63

GK-H15TH3AX（Heating）

Air Flow Rate		ESP		Indoor Air Dry Bulb Temperature		Outdoor Air Dry Bulb Temperature(Outdoor air: 85% RH)									
						-10℃(14°F)		-5℃(23°F)		0℃(32°F)		7℃(44.6°F)		10℃(50°F)	
						Total Capacity		Total Capacity		Total Capacity		Total Capacity		Total Capacity	
m^3/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
9000	5297	90	0.36	16	60.8	41.66	142.15	43.33	147.84	44.00	150.13	55.00	187.66	59.40	202.67
				18	64.4	41.46	141.45	43.11	147.11	44.00	150.13	55.00	187.66	59.40	202.67
				20	68.0	41.25	140.75	42.90	146.37	44.00	150.13	55.00	187.66	59.40	202.67
				22	71.6	41.04	140.04	42.69	145.64	44.00	150.13	55.00	187.66	59.40	202.67
				24	75.2	40.84	139.34	42.47	144.91	44.00	150.13	55.00	187.66	59.40	202.67

GK-C25TH3AH（Cooling）

Condenser Entering Air Temp. (℃)		Evaporator Airflow								
		14500m3/h			15800m³/h			16500m³/h		
		Evaporator Entering Air, WBE(℃)								
		16	19	22	16	19	22	16	19	22
29	TC(kW)	62.97	72.37	74.91	70.75	81.32	84.17	74.99	86.20	89.22
	SC(kW)	45.97	52.83	54.68	51.65	59.36	61.44	54.75	62.93	65.13
	kW	24.82	25.85	26.63	25.72	26.79	27.59	27.52	28.67	29.53
35	TC(kW)	58.85	67.64	70.01	66.12	76.00	78.66	70.09	80.56	83.38
	SC(kW)	43.84	50.39	52.16	49.26	56.62	58.60	52.21	60.02	62.12
	kW	26.40	27.50	28.33	27.36	28.50	29.36	29.28	30.50	31.41
40	TC(kW)	54.43	62.57	64.76	61.16	70.30	72.76	64.83	74.52	77.13
	SC(kW)	40.82	46.93	48.57	45.87	52.73	54.57	48.62	55.89	57.84
	kW	27.99	29.15	30.03	29.00	30.21	31.12	31.03	32.32	33.29
46	TC(kW)	50.08	57.56	59.58	56.27	64.68	66.94	59.64	68.56	70.96
	SC(kW)	38.06	43.75	45.28	42.76	49.15	50.87	45.33	52.10	53.93
	kW	30.09	31.34	32.28	31.18	32.48	33.45	33.36	34.75	35.79
52	TC(kW)	45.57	52.38	54.21	51.20	58.86	60.92	54.28	62.39	64.57
	SC(kW)	34.86	40.07	41.47	39.17	45.02	46.60	41.52	47.73	49.40
	kW	32.79	34.16	35.18	33.98	35.40	36.46	36.36	37.88	39.01

Condenser Entering Air Temp. (℉)		Evaporator Airflow								
		8539CFM			9304CFM			9717CFM		
		Evaporator Entering Air, WBE(℉)								
		61	67	72	62	67	72	62	67	72
85	TC(MBH)	215.41	247.60	256.26	242.03	278.20	287.94	256.56	294.89	305.21
	SC(MBH)	157.25	180.75	187.07	176.68	203.09	210.19	187.29	215.27	222.81
	kW	24.82	25.85	26.63	25.72	26.79	27.59	27.52	28.67	29.53
95	TC(MBH)	201.32	231.40	239.50	226.20	260.00	269.10	239.77	275.60	285.25
	SC(MBH)	149.98	172.39	178.43	168.52	193.70	200.48	178.63	205.32	212.51
	kW	26.40	27.50	28.33	27.36	28.50	29.36	29.28	30.50	31.41
105	TC(MBH)	186.22	214.05	221.54	209.24	240.50	248.92	221.79	254.93	263.85
	SC(MBH)	139.66	160.53	166.15	156.93	180.38	186.69	166.34	191.20	197.89
	kW	27.99	29.15	30.03	29.00	30.21	31.12	31.03	32.32	33.29
115	TC(MBH)	171.32	196.92	203.81	192.50	221.26	229.00	204.05	234.54	242.74
	SC(MBH)	130.20	149.66	154.90	146.30	168.16	174.04	155.07	178.25	184.49
	kW	30.09	31.34	32.28	31.18	32.48	33.45	33.36	34.75	35.79
125	TC(MBH)	155.90	179.20	185.47	175.17	201.35	208.39	185.68	213.43	220.90
	SC(MBH)	119.27	137.09	141.88	134.01	154.03	159.42	142.05	163.27	168.99
	kW	32.79	34.16	35.18	33.98	35.40	36.46	36.36	37.88	39.01

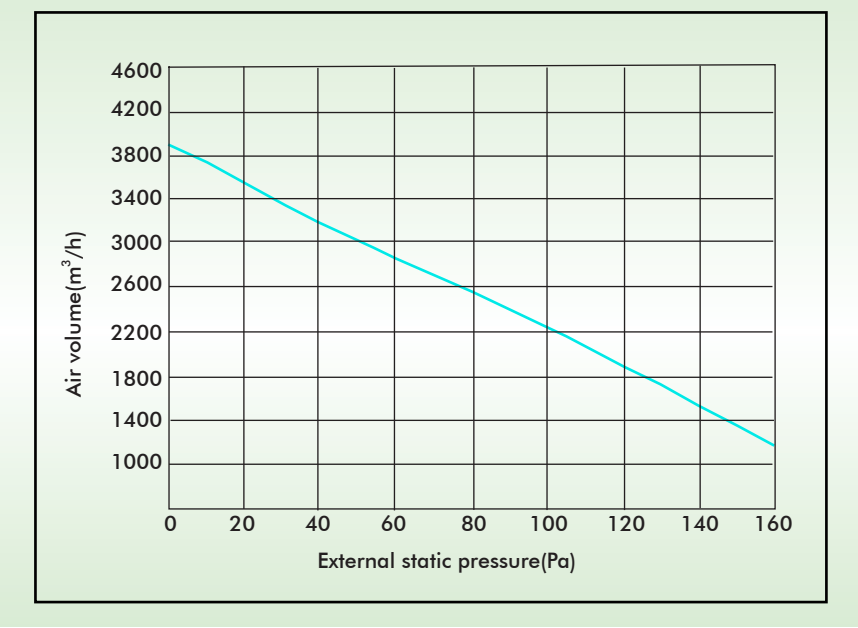
Note:

- TC-Total Capacity
- SC-Sensible Heat Capacity
- kW-Total unit power input
- DBE-Dry Bulb Temp. of Air Entering Coil
- WBE-Wet Bulb Temp. of Air Entering Coil
- DR-Wet Bulb depression ratio(0.25~0.3)
- Capacities above are based on DBE=81 ℉ (27℃). For higher or lower DBE, add following Correction Factor to Sensible Capacity=1.08×CFM(1-DR)(DBE-81)

6 PARAMETER AND PRESSURE CHART FOR AIR VOLUME

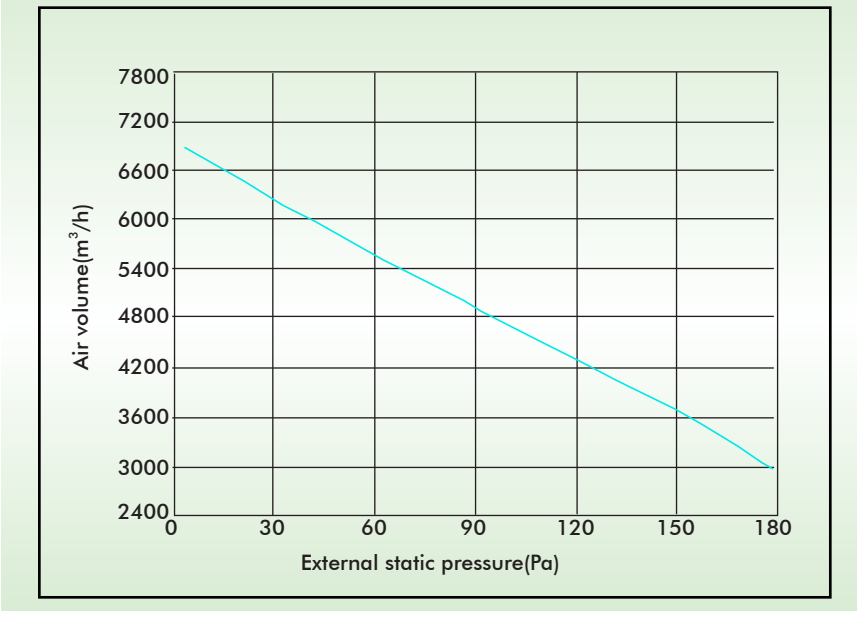
Model:5Ton

Cure diagram of static pressure, air flow volume



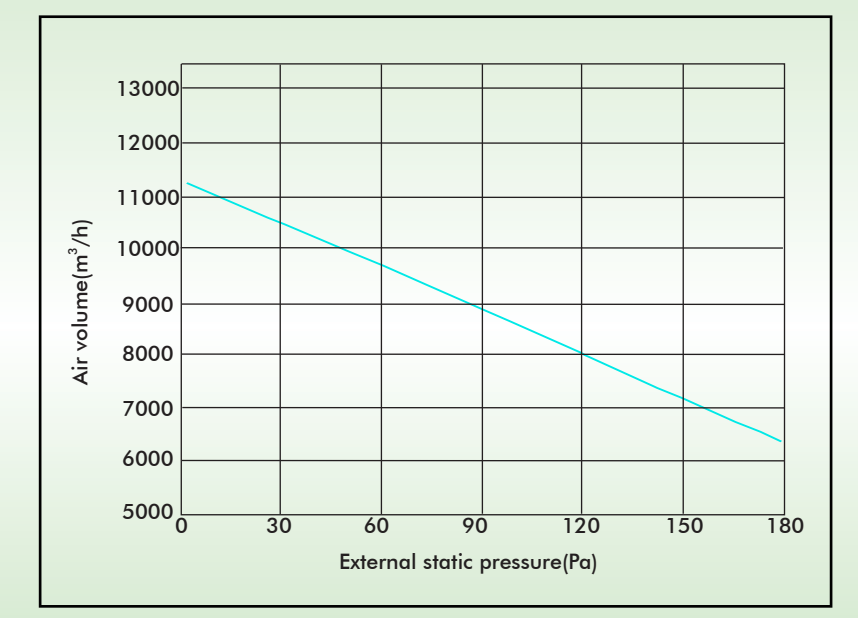
Model:8Ton

Cure diagram of static pressure, air flow volume



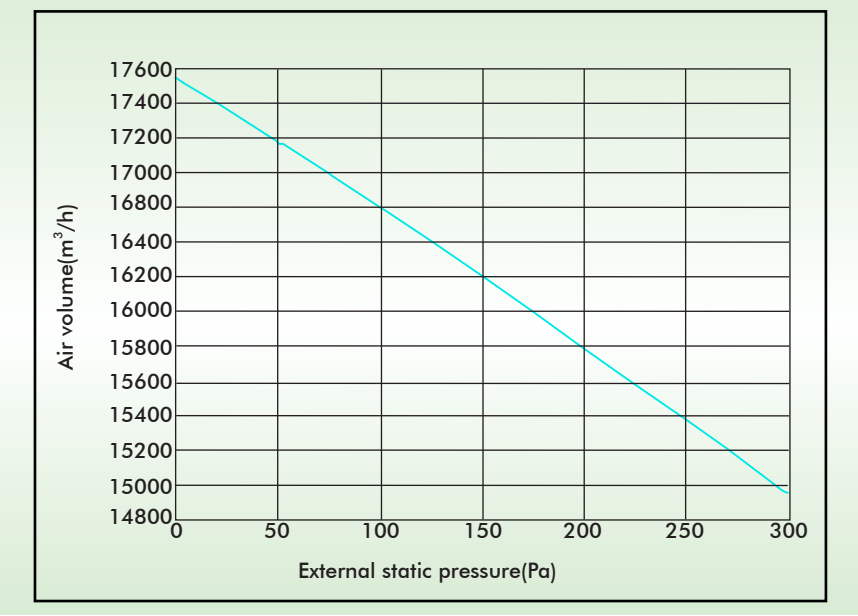
Model:15Ton

Cure diagram of static pressure, air flow volume



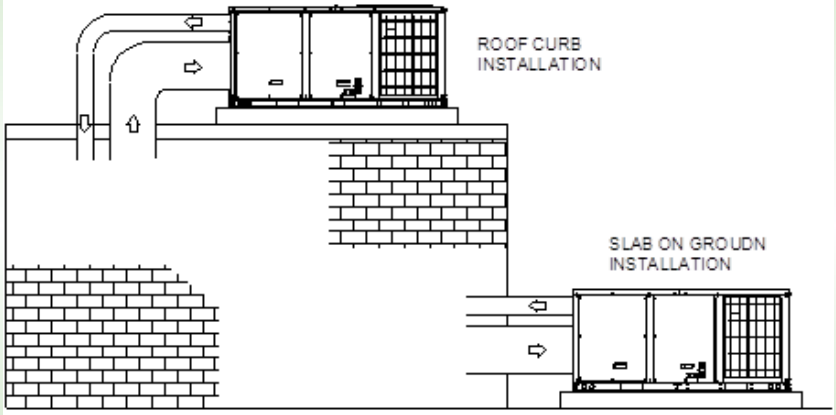
Model:25Ton

Cure diagram of static pressure, air flow volume

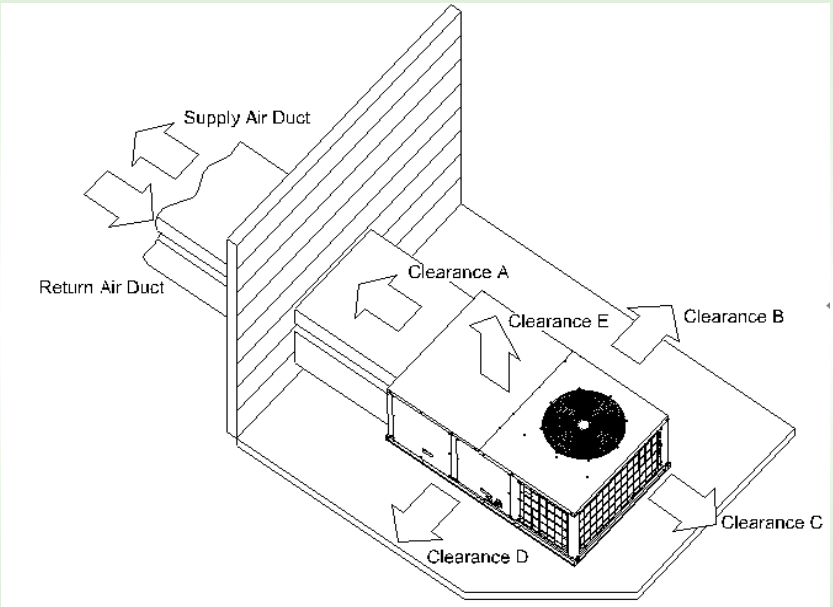


7 CLEARANCES DATA

Installation Positions and Clearances

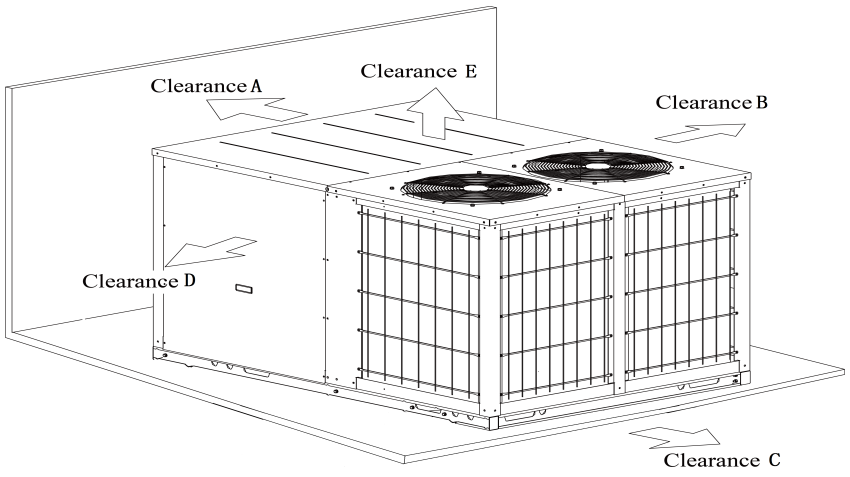


MODEL:**GK-H05TH3AX**



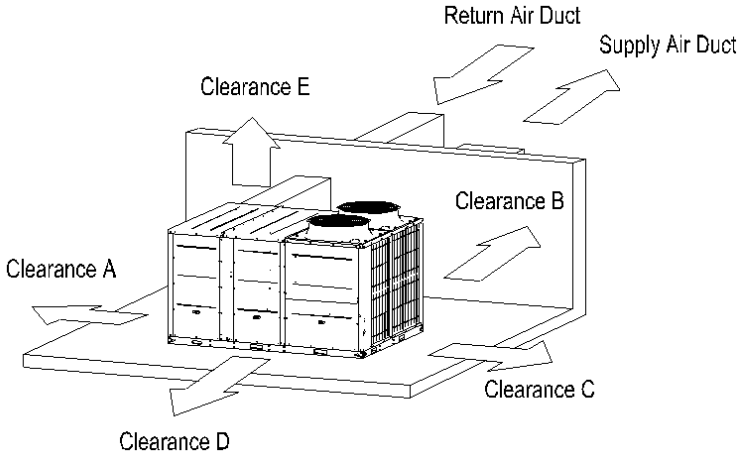
Installation Clearances		
DIMENSION (Minimum)	mm	inch
A	600	24
B	1100	43
C	860	34
D	1100	43
E	1100	43

MODEL:**GK-H08TH3AX，GK-H15TH3AX**



Installation Clearances		
DIMENSION (Minimum)	mm	inch
A	350	14
B	860	34
C	1100	43
D	1100	43
E	1829	72

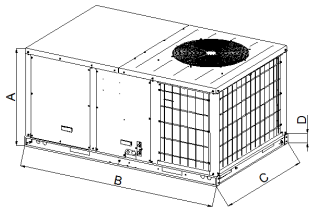
MODEL:**GK-C25TH3AH**



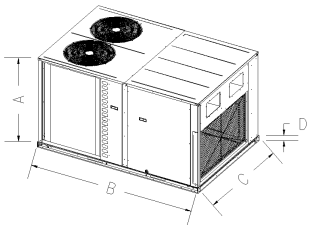
Installation Clearances		
DIMENSION (Minimum)	mm	inch
A	860	34
B	1100	43
C	1100	43
D	1100	43
E	1829	72

8 DIMENSION

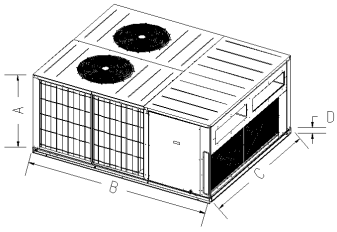
Physical Dimension



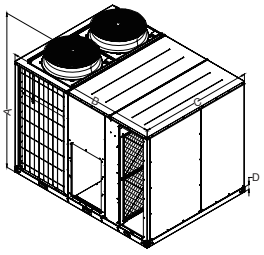
5Ton



8Ton

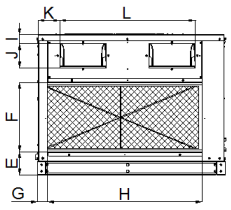


15Ton

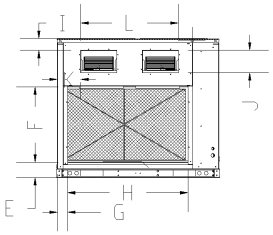


25Ton

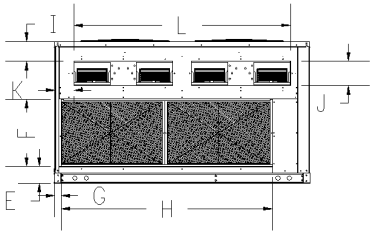
Dimension(mm)	5 Ton	8 Ton	15Ton	25Ton
A	820	1230	1230	1775
B	1750	2110	2810	2870
C	1100	1450	2240	2120
D	80	75	90	95



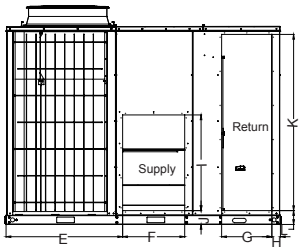
5Ton



8Ton



15Ton



25Ton

Dimension(mm)	5 Ton	8 Ton	15 Ton	25Ton
E	133	115	144	1219
F	408	734	592	650
G	61	91	36	525
H	904	1148	1872	90
I	50	94	169	800
J	145	198	217	145
K	125	208	164	1334
L	795	868	1897	145

Note: Above diagrams may be different from actual model.

9 WIRED CONTROLLER

9.1 Standard unit with Gree's wired controlled

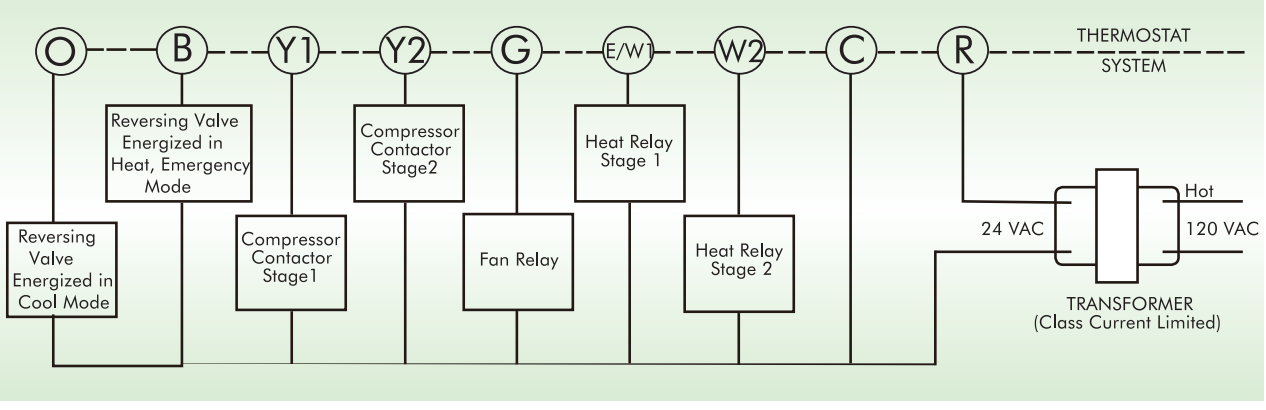
Wired controller for 25Ton:WK010WA1（Optional）

Wired controller for 5~15Ton（Standard）

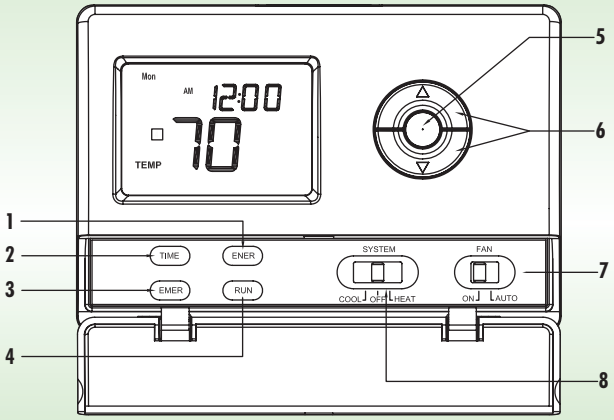
Wiring terminal of the wired controller（**WK010WA1**）

THERMOSTAT TERMINALS (HEAT PUMP)		
SYSTEM	Heat Pump 1	Heat Pump 2
L	Malfunction	
C	24 Volt(Common)	
R	24 Volt Emergency (hot)	
E/W1	Emergency Mode 1st stage	
W2	HP 1 and Emergency 2nd stage	
Y1	Heat and Cool mode 1st stage (compressor)	
Y2	No output	2nd stage compressor
G	Blower/Fan Energized on call for Heat and Cool Set GAS/ELEC switch for Emergency mode	
O	Energized in Cool Mode	
B	Energized in Heat Emergency mode	

Wiring diagram of the wired controller(**WK010WA1**)



9.2 Digital Thermostat Owners Manual(Suitable for 25Ton only)



No.	Key	Description
1	ENER	Measures and displays heating and cooling system operating time for Today,Yesterday,This Week, Last Week, or Total.
2	TIME	For setting the time and date.
3	EMER	For activating/deactivating the electric heating function.
4	RUN	Returns display to current time and temperature.
5	Backlight	For switching the menu options.
6	Arrow Up & Down	Key for changing the temperature setting. Also used for increasing and decreasing selections in the Time, Program,and Span functions.
7	fan	Fan switch for Automatical Continuous fan operation.
8	system	Selector switch for Heat, Cool, and Off.

10 GUIDE SPECIFICATIONS

10.1 General Description

Units shall be factory-assembled, single packaged, designed for outdoor mounted installation.
The units shall be factory wired, piped, charged with R410A refrigerant and factory tested prior to shipment. All unit wiring shall be both numbered and color-coded. All units shall be manufactured in a facility certified to ISO 9001 standards, and the cooling performance shall be tested in accordance with SASO 2682-2007 test procedures.

10.2 Unit Cabinet

- Unit cabinet shall be constructed of galvanized steel, with exterior surfaces coated with a non-chalking, powder paint finish
- Unit shall have a rigidly mounted condenser coil guard to provide protection from objects and personnel after installation.
- Cabinet panels shall be “large” size, easily removable for servicing and maintenance, with built-in lift handles.
- Filters shall be furnished and be accessible through a removable access panel, sealed.

10.3 Unit Operating Characteristics

- Unit shall be capable of starting and running at 125° F outdoor temperature.

10.4 Electrical Requirements

- All unit power wiring shall enter unit cabinet at a single factory provided location and be capable of side or bottom entry, to minimize roof penetrations and avoid unit field modifications. Separate side and bottom openings shall be provided for the control wiring.

Gree Electric Appliances, Inc. of Zhuhai, founded in 1991, is the world's largest air conditioner enterprise integrating R&D, manufacturing, marketing and services.

Technology Innovation and quality are always our priority. With efforts of thousands of Gree's engineers, we own more than 3500 patents for our products.

Nowadays, we have 7 production bases in Zhuhai, Chongqing, Hefei and Zhengzhou(China), as well as Brazil, Pakistan and Vietnam, with annual production capacity of 30 million sets of residential air conditioners and 4 million sets of commercial air conditioners.

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