

GREE

making better air conditioners



Gree Electric Appliances, Inc. of Zhuhai ("Gree") is the largest specialized air conditioner enterprise in the world.

Gree has now become a renowned multinational enterprise that possessing 4 production bases located in Zhuhai, Chongqing, Brazil and Hefei, and five subsidiary companies, totally 37,800 employees. Annual production capacity of us is over 25 million sets of home air conditioners and annual output value of 716 million USD from commercial air conditioners.

We are always paying much attention on technical innovation. Till now, we had registered nearly 1500 patents at home or abroad. The high-end technologies we have successfully developed include the GMV multi VRF system, centrifugal chiller and, in particular, central air conditioners using ultra-low temperature heat pump, which is the first of its kind in the world and an internationally-advanced technology that has filled in a gap of China and broken the technical monopoly of the refrigeration magnates in the United States and Japan, winning widespread reputation and influence in the world refrigeration industry.

With the installation of Gree commercial air conditioners in important projects at home and abroad like Media Village for 2008 Beijing Olympic Game, Stadiums for 2010 World Cup in South Africa, as well as Indian Telecom base station, Gree commercial air conditioners are ready to develop steadily to every corner in the world, to present a more comfortable and harmony working environment and family atmosphere.



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For continuous improvement in the products, Gree reserves the right to modify the product specification and appearance in this manual without notice and without incurring any obligations.

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U-MATCH AIR CONDITIONERS



TECHNICAL SALES GUIDE-50HZ, R410A



The photos of products on the cover are for reference only, the actual appearance of certain product may be different.

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1 MODELS LIST

Outdoor Unit

Model		Nominal Capacity	Power Supply	Appearance
Refrigerant	Model Name	Btu/h	Ph,V,Hz	
R410A	GUHN09NK3AO	9000	1, 220~240, 50	
	GUHN12NK3AO	12000		
	GUHN18NK3AO	18000		
	GUHN24NK3AO	24000	1, 220~240, 50	
	GUHN36NK3AO	36000	1, 220~240, 50	
	GUHN36NM3AO	36000	3, 380~415, 50	
	GUHN42NM3AO	42000		
	GUHN48NM3AO	48000		
	GUHN60NM3AO	60000		

1Ton =12000Btu/h = 3.517Kw

Indoor Unit

Model			Nominal Capacity	Power Supply	Appearance
Type	Refrigerant	Model Name	Btu/h	Ph,V,Hz	
Duct Type	R410A	GFH09K3BI	9000	1, 220~240, 50	
		GFH12K3BI	12000		
		GFH18K3BI	18000		
		GFH24K3BI	24000		
		GFH36K3BI	36000		
		GFH42K3BI	42000		
		GFH48K3BI	48000		
Ceiling Type	R410A	GTH09K3BI	9000	1, 220~240, 50	
		GTH12K3BI	12000		
		GTH18K3BI	18000		
		GTH24K3BI	24000		
		GTH36K3BI	36000		
		GTH42K3BI	42000		
		GTH48K3BI	48000		
Cassette Type	R410A	GKH18K3BI	18000	1, 220~240, 50	
		GKH24K3BI	24000		
		GKH36K3BI	36000		
		GKH42K3BI	42000		
		GKH48K3BI	48000		

1Ton =12000Btu/h = 3.517Kw

2 NOMENCLATURE

Outdoor Unit

G U H N 0 9 N K 3 A O
1 2 3 4 5 6 7 8 9 10

NO.	Description	Options
1	Gree Electric Appliances Inc	Capital Letter: G
2	Unit Type	U= U-Match Outdoor Unit F= Duct Type K= Cassette Type T= Ceiling Type
3	Product Type	C=Cool Only H=Heat Pump without Aux Electric Heaters
4	Power Supply Code	N= Constant Frequency D= DC Inverter A= AC Inverter
5	Nominal Cooling Capacity	Nominal Cooling Capacity =Number ×1000Btu/h
6	Climate Type	N= Climate T1 Condition T= Climate T3 Condition
7	Power Supply Code	K=1Ph 220~240V 50Hz M=3Ph 380~415V 50Hz
8	Refrigerant	1=R22 2= R407c 3= R410A
9	Design Code	Design Code :A,B,C,D.....
10	Unit Code for Condensing Unit or Indoor Unit	O= Outdoor Unit I = Indoor Unit

3 FEATURES

3.1 Description

GREE R410A Constant Frequency U-Match Series Air-conditioning Units has combined the comfort, top grade from the central air conditioners as well as the convenient installation and facility from the mini type of the split air conditioners.

GREE R410A Constant Frequency U-Match Series Air-conditioning Units can offer the perfect combination of superior product quality, operating efficiency and value for money. All capacities are rated according to EN 60335. These units are CE certified and manufactured under strict quality control with full conformance to ISO 9001:2000 and ISO 14001 standards.

The indoor unit could be divided into Cassette Type、Duct Type and Ceiling Type. The capacity range is from 2.6KW to 16KW.It could be sufficient to the different requirements from customers.

GREE R410A Constant Frequency U-Match Series Air-conditioning Units can be widely used in small supermarkets, chain stores, hotels, restaurants, offices and meeting rooms etc. It s especially fit for the small commercial and industrial application. The unit can set for cooling even when the outdoor temperature drops to -7℃.this is ideal for locations that require cooling even in winter.

3.2 Features-Condensing Units

- Quality Condenser Coils**
The coil is constructed of hydrophilic aluminum sheet and inner groove copper pipe.
- Coil Protection**
Coils are protected from damage by a metal grill.
- Protected Compressor**
High/low pressure, High temperature of discharge, Overload, Reverse (open) phase protection Sensor malfunction alarm.
- Durable Finish**
Cabinet is made of pre-painted steel. The pre-treated flat galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep .Special primer formulas ensure minimal fading when exposed to sunlight.

- Lower Installed Costs**
These are three configuration types of indoor unit , flexible discharge can be chosen by customers.
- Low Operating Sound Level**
Low noise fan and low noise compressor with isolator.
- Low Maintenance/Easy Access**
quality compressor and motor are used

Factory Tested
All units are factory tested prior to dispatch to verify system operation and control functioning before shipment.

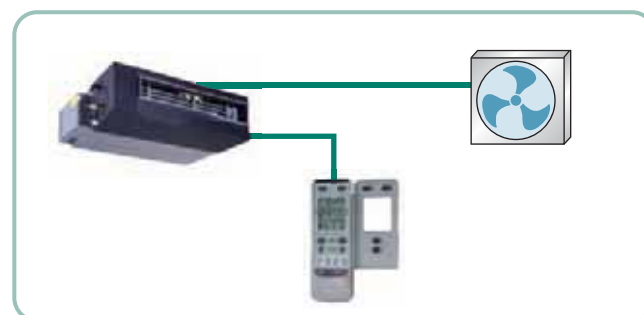
3.3 Features-Indoor Units

(1) Duct Type



Airflow Patterns for Extra Comfort :

It can connect many supply-air outlet to the duct, so that it can make the temperature and humidity of the whole room equality, meanwhile, it can lead in fresh air), makes well indoor unit air quality. All units are provided with filters that they are easily accessible from the rear of the unit.



Flexible Installation:

Air-supply or air-return type, condensation water exit direction, and modes of wyer (adopting either underside air back or rear air back) etc can be selected flexibly.

Easy Maintenance:

Evaporator coils are constructed of quality inner groove copper tube and hydrophilic aluminum sheet. It adopts easy and reliable configuration design, so Maintenance is very convenient and easy.



Versatile Functions:

- ◆ 3-Speeds Fan Control
- ◆ Temperature Setting
- ◆ Fan Function
- ◆ Sleep Function
- ◆ Memory Function
- ◆ Self-diagnosis with Alarm Function
- ◆ Timing Function

(2) Ceiling Type



Flexible Installation :

There are two styles of installation: Ceiling Type and floor Type.



Easier Maintenance and Cleaning :

The Ceiling Type is equipped with anti-mould long-life air filter .If the air filter is very dirty, can clean it by a vacuum cleaner or wash it with soap water.



Versatile Functions:

- ◆ 3 Speeds Fan Control
- ◆ Temperature Setting
- ◆ Fan Function
- ◆ Sleep Function
- ◆ Memory Function
- ◆ Self-diagnosis with Alarm Function
- ◆ Swing Function
- ◆ Timing Function

(3) Cassette Type



Airflow Patterns for Extra Comfort :

It can blow to four different directions, so that it can make the temperature and humidity of the whole room equality .

Low Noise :

It adopts low noise design, such as low noise fan, low noise motor, etc

Easy Maintenance and Cleaning:

It adopts easy and reliable configuration design, so Maintenance is very convenient.



Versatile Functions:

- ◆ 3 Speeds Fan Control
- ◆ Temperature Setting
- ◆ Fan Function
- ◆ Sleep Function
- ◆ Memory Function
- ◆ Self-diagnosis with Alarm Function
- ◆ Swing Function
- ◆ Timing Function

4 PRODUCT DATA

4.1 Product Data at Rated Condition
(1) Cassette Type

Items		Cooling/Heating Capacity	Power Source	Power Input (Cooling/Heating)	EER/COP	Air Volume	External Static Pressure	Noise Level		Dimensions			Net/Gross Weight			Piping Connection		Pipe Length			
								Indoor (H/M/L) dB(A)	Outdoor dB(A)												
Indoor/ Panel Outdoor	W Btu/h	Phase HZ	V	W	W/W Btu/h.W	m³/h CFM	Pa In.wg	Indoor (H/M/L) dB(A)	Outdoor dB(A)	Indoor	Panel	Outdoor	Indoor	Panel	Outdoor	Gas Side(OD)	Liquid Side(OD)	Max Length	Max. Height	Max. Chargeless Length	
										mm (H) (W) (D)	mm (H) (W) (D)	mm (H) (W) (D)	kg	kg	kg	mm inch	mm inch	m	m	m	
	GKH18K3BI T02	5000/5400	1	220-50	2000/1900	2.5/2.84	680	0	47/45/42	56	230/310	50/102	540/590	20/27	5/6.7	36/40	Φ12 1/2	Φ6 1/4	20	15	5
	GUHN18NK3AO	17060/18400	50	240V		8.53/9.7	400				600/848	650/730	848/878								
	GKH24K3BI T01	7000/8000	1	220-50	2620/2500	2.67/3.2	1180	0	47/45/42	59	260/310	60/115	680/750	30/38	6.5/10	51/55	Φ16 5/8	Φ9.52 3/8	30	15	5
	GUHN24NK3NO	23880/27300	50	240V		9.11/10.92	695				840/960	950/1040	913/994								
	GKH36K3BI T01	10000/11000	1	220-50	3600/3100	2.78/3.54	1600	0	53/51/48	62	320/394	60/115	1018/1100	38/46	6.5/10	128/139	Φ19 3/4	Φ12 1/2	50	30	5
	GUHN36NK3AO	36000/37500	50	240V		9.49/12.1	942				840/960	950/1025	840/450								
GKH36K3BI T01	10000/11000	3	380-50	3600/3100	2.78/3.54	1600	0	53/51/48	62	320/394	60/115	1018/1100	38/46	6.5/10	128/139	Φ19 3/4	Φ12 1/2	50	30	5	
GUHN36NM3AO	36000/37500	50	415V		9.49/12.1	942				840/960	950/1040	840/450									
GKH42K3BI T01	12000/14000	3	380-50	5000/5400	2.4/2.59	1650	0	53/51/48	63	320/394	60/115	1250/1385	38/46	6.5/10	128/139	Φ19 3/4	Φ12 1/2	50	30	5	
GUHN42NM3AO	42000/48000	50	415V		8.19/8.85	972				840/960	950/1040	950/1110									
GKH48K3BI T01	14000/15500	3	380-50	5800/6200	2.41/2.5	1700	0	53/51/48	63	320/394	60/115	1250/1385	38/46	6.5/10	128/139	Φ19 3/4	Φ12 1/2	50	30	5	
GUHN48NM3AO	48000/53000	50	415V		8.22/8.53	1002				840/960	950/1040	950/1110									

Note:

1. The cooling capacity stated above is measured under following conditions :
Indoor Condition: 27°C (81°F) DB/19°C (66.6°F) WB;
Outdoor Condition: 35°C (95.4°F) DB/24°C (75.6°F) WB.
2. Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual Operation due to environmental change.

(2) Duct Type

Items	Cooling/Heating Capacity	Power Source	Power Input (Cooling/ Heating)	EER/COP	Air Volume	External Static Pressure	Noise Level		Dimensions	Net/Gross Weight		Piping Connection		Pipe Length					
							Sound Pressure Level	Indoor (H/M/L) dB(A)		Outdoor dB(A)	Indoor	Outdoor	Indoor	Outdoor	Gas Side (OD)	Liquid Side (OD)	Max. Length	Max. Height	Max. Chargeless Length
Indoor/ Outdoor	W Btu/h	Phase HZ	V	W	W/W Btu/h.W	m³/h CFM	Pa In.wg	Indoor (H/M/L) dB(A)	Outdoor dB(A)	mm (H) (W) (D)	mm (H) (W) (D)	kg	kg	mm inch	mm inch	m	m	m	
	GFH09K3BI GUHN09NK3AO	2600/2850 8870/9700	1 50	220-240V	1000/1000	2.6/2.85 8.87/9.72	450 265	25-15	37/36 /34	55	220/258 913/995 680/750	540/590 848/878 320/360	27/32	34/38	Φ9.52 3/8	Φ6 1/4	20	15	5
	GFH12K3BI GUHN12NK3AO	3500/3700 11940/13310	1 50	220-240V	1200/1120	2.91/3.31 9.92/11.27	600 352	25-15	40/38 /36	56	220/258 913/995 680/750	540/590 848/878 320/360	27/32	36/40	Φ12 1/2	Φ6 1/4	20	15	5
	GFH18K3BI GUHN18NK3AO	5000/5800 17060/19790	1 50	220-240V	2100/1800	2.38/3.22 8.12/10.98	840 495	60-40	42/40 /38	56	266/308 1012/1120 736/795	540/590 848/878 320/360	36/39	36/40	Φ12 1/2	Φ6 1/4	20	15	5
	GFH24K3BI GUHN24NK3AO	7000/8000 23880/27300	1 50	220-240V	2660/2630	2.63/3.04 8.97/10.38	1400 824	80-60	44/42 /40	59	268/268 1270/1345 504/594	680/750 913/994 378/428	37/45	51/55	Φ16 5/8	Φ9.52 3/8	30	15	5
	GFH36K3BI GUHN36NK3AO	10000/11000 36000/37500	1 50	220-240V	4000/3500	2.5/3.14 8.53/10.71	2000 1178	150-100	50/48 /46	62	290/390 1251/1335 744/1834	1018/1100 412/985 840/450	57/67	128/139	Φ19 3/4	Φ12 1/2	50	30	5
	GFH36K3BI GUHN36NW3AO	10000/11000 36000/37500	3 50	380-415V	4000/3500	2.5/3.14 8.53/10.71	2000 1178	150-100	50/48 /46	62	290/390 1251/1335 744/1834	1018/1100 412/985 840/450	57/67	128/139	Φ19 3/4	Φ12 1/2	50	30	5
	GFH42K3BI GUHD42NW3AO	12000/14000 42000/48000	3 50	380-415V	5300/4900	2.26/2.86 7.71/9.75	2000 1178	150-100	50/48 /46	63	290/390 1251/1335 744/1834	1250/1385 950/1110 412/450	57/67	128/139	Φ19 3/4	Φ12 1/2	50	30	5
	GFH48K3BI GUHN48NW3AO	14000/15500 48000/53000	3 50	380-415V	5800/5400	2.41/2.87 8.22/9.79	2300 1355	150-100	50/48 /46	63	290/390 1251/1335 744/1834	1250/1385 950/1110 412/450	57/67	128/139	Φ19 3/4	Φ12 1/2	50	30	5
	GFH60K3BI GUHN60NW3AO	16000/19000 60000/64800	3 50	380-415V	6500/5500	2.46/3.45 8.39/11.79	2700 1590	150-100	53/50 /48	64	330/330 1251/1334 788/882	1250/1385 950/1110 412/450	66/76	138/149	Φ19 3/4	Φ12 1/2	50	30	5

Note:

1. The cooling capacity stated above is measured under following conditions :
Indoor Condition: 27℃ (81℉) DB/19℃ (66.6℉) WB;
Outdoor Condition: 35℃ (95.4℉) DB/24℃ (75.6℉) WB.
2. Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual Operation due to environmental change.

(3) Ceiling Type

Items		Cooling/Heating Capacity	Power Source		Power Input (Cooling /Heating)	EER/COP	Air Volume	External Static Pressure	Noise Level		Dimensions		Net/Gross Weight		Piping Connection		Pipe Length			
			Phase HZ	V					Indoor (H/M/L) dB(A)	Outdoor dB(A)										
Indoor/ Outdoor	W Btu/h	W	V	W	W/W Btu/h.W	m³/h CFM	Pa In.wg	Indoor (H/M/L) dB(A)	Outdoor dB(A)	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Gas Side (OD)	Liquid Side(OD)	Max Length	Max Height	Max Chargeless Length
										mm (H) (W) (D)	mm (H) (W) (D)	kg	kg	mm inch	mm inch					
	2600/2850 8870/9700	1 50	220-240V	1000/1000	2.6/2.85 8.87/9.72	550 324	0	45/42 /39	55	238/295 836/935 695/805	540/590 848/878 320/360	27/35.5	34/38	Φ9.52 3/8	Φ6 1/4	20	15	5		
	3500/3700 11940/13310	1 50	220-240V	1200/1120	2.91/3.31 9.92/11.27	600 353	0	46/42 /38	56	238/295 836/935 695/805	540/590 848/878 320/360	27/35.5	40/44	Φ12 1/2	Φ6 1/4	20	15	5		
	5000/5800 17060/19790	1 50	220-240V	2000/2100	2.5/2.76 8.53/9.42	700 412	0	54/50 /46	56	238/295 836/935 695/805	540/590 848/878 320/360	27/35.5	40/44	Φ12 1/2	Φ6 1/4	20	15	5		
	7000/8000 23880/27300	1 50	220-240V	2300/2630	3.04/3.04 10.38/10.38	1170 689	0	50/48 /46	59	188/248 1300/1414 600/724	680/750 913/994 378/428	32/36	51/55	Φ16 5/8	Φ9.52 3/8	30	15	5		
Indoor/ Outdoor	W Btu/h	W	V	W	W/W Btu/h.W	m³/h CFM	Pa In.wg	Indoor (H/M/L) dB(A)	Outdoor dB(A)	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Gas Side (OD)	Liquid Side(OD)	Max Length	Max Height	Max Chargeless Length
	10000/11000 36000/37500	1 50	220-240V	3600/3300	2.78/3.33 9.48/11.37	1700 1000	0	52/50/48	62	238/255 1590/1650 695/776	1018/1100 412/985 840/450	42/51	128/139	Φ19 3/4	Φ12 1/2	50	30	5		
	10000/11000 36000/37500	3 50	380-415V	3600/3300	2.78/3.33 9.48/11.37	1700 1000	0	52/50/48	62	238/255 1590/1650 695/776	1018/1100 412/985 840/450	42/51	128/139	Φ19 3/4	Φ12 1/2	50	30	5		
Indoor/ Outdoor	W Btu/h	W	V	W	W/W Btu/h.W	m³/h CFM	Pa In.wg	Indoor (H/M/L) dB(A)	Outdoor dB(A)	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Gas Side (OD)	Liquid Side(OD)	Max Length	Max Height	Max Chargeless Length
12000/14000 42000/48000	3 50	380-415V	4800/4700	2.5/2.98 8.53/10.16	1700 1000	0	52/50/48	63	238/255 1590/1650 695/776	1250/1385 950/1110 412/450	42/51	128/139	Φ19 3/4	Φ12 1/2	50	30	5			
14000/15500 48000/53000	3 50	380-415V	6100/5800	2.3/2.67 7.85/9.12	2000 1175	0	52/50/48	63	238/255 1590/1650 695/776	1250/1385 950/1110 412/450	42/51	128/139	Φ19 3/4	Φ12 1/2	50	30	5			

➤ 4.3 Cooling Performance

(1) Cassette Type

Model: GKH18K3BI/GUHN18NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F(25℃)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
High	680	400	0	0	23	73.4	4.70	16.02	3.52	12.02	5.34	18.21	3.31	11.29	5.50	18.75	2.97	10.13
					24	75.2	4.74	16.19	3.79	12.95	5.39	18.39	3.40	11.59	5.55	18.94	3.28	11.18
					27	80.6	4.79	16.35	3.88	13.24	5.45	18.58	3.59	12.26	5.61	19.14	3.48	11.86
					31	87.8	4.84	16.51	4.07	13.87	5.50	18.76	3.79	12.95	5.66	19.33	3.68	12.56
Medium	600	353	0	0	23	73.4	4.37	14.90	3.28	11.18	4.96	16.93	3.08	10.50	5.11	17.44	2.76	9.42
					24	75.2	4.41	15.05	3.53	12.04	5.01	17.11	3.46	11.80	5.16	17.62	3.05	10.39
					27	80.6	4.46	15.20	3.61	12.32	5.06	17.28	3.65	12.44	5.22	17.80	3.39	11.57
					31	87.8	4.50	15.36	3.78	12.90	5.11	17.45	3.68	12.56	5.27	17.97	3.48	11.86
Low	540	318	0	0	23	73.4	4.06	13.86	3.05	10.39	4.62	15.75	2.91	9.92	4.75	16.22	2.57	8.76
					24	75.2	4.10	14.00	3.28	11.20	4.66	15.91	3.08	10.50	4.80	16.39	2.83	9.67
					27	80.6	4.14	14.14	3.36	11.45	4.71	16.07	3.25	11.09	4.85	16.55	3.01	10.26
					31	87.8	4.19	14.28	3.52	12.00	4.76	16.23	3.38	11.52	4.90	16.72	3.18	10.87

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F(35℃)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
High	680	400	0	0	23	73.4	4.27	14.57	3.20	10.92	4.85	16.55	3.01	10.26	5.00	17.05	2.70	9.21
					24	75.2	4.31	14.71	3.45	11.77	4.90	16.72	3.09	10.53	5.05	17.22	2.98	10.16
					27	80.6	4.36	14.86	3.53	12.04	4.95	16.89	3.27	11.15	5.10	17.40	3.16	10.79
					31	87.8	4.40	15.01	3.70	12.61	5.00	17.06	3.45	11.77	5.15	17.57	3.35	11.42
Medium	600	353	0	0	23	73.4	3.97	13.55	2.98	10.16	4.51	15.39	2.80	9.54	4.65	15.85	2.51	8.56
					24	75.2	4.01	13.68	3.21	10.95	4.56	15.55	3.14	10.73	4.69	16.02	2.77	9.45
					27	80.6	4.05	13.82	3.28	11.20	4.60	15.71	3.31	11.31	4.74	16.18	3.08	10.52
					31	87.8	4.09	13.96	3.44	11.73	4.65	15.86	3.35	11.42	4.79	16.34	3.16	10.78
Low	540	318	0	0	23	73.4	3.69	12.60	2.77	9.45	4.20	14.32	2.64	9.02	4.32	14.75	2.33	7.96
					24	75.2	3.73	12.73	2.98	10.18	4.24	14.46	2.80	9.55	4.37	14.90	2.58	8.79
					27	80.6	3.77	12.86	3.05	10.41	4.28	14.61	2.95	10.08	4.41	15.05	2.73	9.33
					31	87.8	3.81	12.98	3.20	10.91	4.32	14.76	3.07	10.48	4.45	15.20	2.90	9.88

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43℃)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
High	680	400	0	0	23	73.4	3.84	13.11	2.88	9.83	4.37	14.90	2.71	9.24	4.50	15.34	2.43	8.29
					24	75.2	3.88	13.24	3.10	10.59	4.41	15.05	2.78	9.48	4.54	15.50	2.68	9.14
					27	80.6	3.92	13.38	3.18	10.83	4.46	15.20	2.94	10.03	4.59	15.66	2.84	9.71
					31	87.8	3.96	13.51	3.33	11.35	4.50	15.35	3.10	10.59	4.63	15.81	3.01	10.28
Medium	600	353	0	0	23	73.4	3.21	10.95	2.41	8.21	3.65	12.44	2.26	7.71	3.76	12.81	2.03	6.92
					24	75.2	3.61	12.32	2.89	9.85	4.10	14.00	2.83	9.66	4.22	14.41	2.49	8.50
					27	80.6	3.65	12.44	2.95	10.08	4.14	14.14	2.98	10.18	4.27	14.56	2.77	9.46
					31	87.8	3.68	12.56	3.09	10.55	4.18	14.28	3.01	10.28	4.31	14.71	2.84	9.71
Low	540	318	0	0	23	73.4	3.32	11.34	2.49	8.50	3.78	12.89	2.38	8.12	3.89	13.27	2.10	7.17
					24	75.2	3.36	11.45	2.69	9.16	3.82	13.02	2.52	8.59	3.93	13.41	2.32	7.91
					27	80.6	3.39	11.57	2.75	9.37	3.85	13.15	2.66	9.07	3.97	13.54	2.46	8.40
					31	87.8	3.43	11.69	2.88	9.82	3.89	13.28	2.76	9.43	4.01	13.68	2.61	8.89

Model: GKH24K3BI/GUHN24NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh			
High	1180	695	0	0	23	73.4	6.56	22.37	4.92	16.77	7.45	25.42	4.62	15.76	7.67	26.18	4.14	14.14
					24	75.2	6.62	22.59	5.30	18.08	7.52	25.68	4.74	16.18	7.75	26.45	4.57	15.60
					27	80.6	6.69	22.82	5.42	18.49	7.60	25.93	5.02	17.12	7.83	26.71	4.85	16.56
					31	87.8	6.76	23.05	5.67	19.36	7.68	26.19	5.30	18.07	7.91	26.98	5.14	17.54
Medium	1070	630	0	0	23	73.4	6.10	20.80	4.57	15.60	6.93	23.64	4.30	14.65	7.14	24.35	3.85	13.15
					24	75.2	6.16	21.01	4.93	16.81	7.00	23.88	4.83	16.48	7.21	24.59	4.25	14.51
					27	80.6	6.22	21.22	5.04	17.19	7.07	24.12	5.09	17.37	7.28	24.84	4.73	16.15
					31	87.8	6.28	21.44	5.28	18.01	7.14	24.36	5.14	17.54	7.35	25.09	4.85	16.56
Low	970	571	0	0	23	73.4	5.67	19.35	4.25	14.51	6.44	21.98	4.06	13.85	6.64	22.64	3.58	12.23
					24	75.2	5.73	19.54	4.58	15.64	6.51	22.21	4.30	14.66	6.70	22.88	3.96	13.50
					27	80.6	5.79	19.74	4.69	15.99	6.57	22.43	4.54	15.48	6.77	23.11	4.20	14.33
					31	87.8	5.84	19.94	4.91	16.75	6.64	22.66	4.71	16.09	6.84	23.34	4.45	15.17

Model: GKH36K3BI/GUHN36NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1600	942	0	0	23	73.4	9.37	31.98	7.03	23.98	10.65	36.34	6.60	22.53	10.97	37.43	5.92	20.21
					24	75.2	9.47	32.31	7.57	25.84	10.76	36.71	6.78	23.13	11.08	37.81	6.54	22.31
					27	80.6	9.56	32.63	7.75	26.43	10.87	37.08	7.17	24.47	11.19	38.19	6.94	23.68
					31	87.8	9.66	32.96	8.11	27.68	10.98	37.45	7.57	25.84	11.31	38.58	7.35	25.07
Medium	1510	889	0	0	23	73.4	8.90	30.38	6.68	22.79	10.12	34.52	6.27	21.40	10.42	35.56	5.63	19.20
					24	75.2	8.99	30.69	7.20	24.55	10.22	34.88	7.05	24.06	10.53	35.92	6.21	21.19
					27	80.6	9.09	31.00	7.36	25.11	10.32	35.23	7.43	25.36	10.63	36.28	6.91	23.58
					31	87.8	9.18	31.31	7.71	26.30	10.43	35.58	7.51	25.62	10.74	36.65	7.09	24.19
Low	1380	812	0	0	23	73.4	8.25	28.14	6.19	21.11	9.37	31.98	5.90	20.15	9.65	32.94	5.21	17.79
					24	75.2	8.33	28.43	6.67	22.74	9.47	32.31	6.25	21.32	9.75	33.27	5.75	19.63
					27	80.6	8.42	28.72	6.82	23.26	9.56	32.63	6.60	22.52	9.85	33.61	6.11	20.84
					31	87.8	8.50	29.00	7.14	24.36	9.66	32.96	6.86	23.40	9.95	33.95	6.47	22.07

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1600	942	0	0	23	73.4	8.52	29.07	6.39	21.80	9.68	33.04	6.00	20.48	9.97	34.03	5.39	18.37
					24	75.2	8.61	29.37	6.89	23.49	9.78	33.37	6.16	21.03	10.07	34.37	5.94	20.28
					27	80.6	8.69	29.67	7.04	24.03	9.88	33.71	6.52	22.25	10.18	34.72	6.31	21.53
					31	87.8	8.78	29.96	7.38	25.17	9.98	34.05	6.89	23.49	10.28	35.07	6.68	22.79
Medium	1510	889	0	0	23	73.4	8.09	27.62	6.07	20.71	9.20	31.38	5.70	19.46	9.47	32.33	5.12	17.46
					24	75.2	8.18	27.90	6.54	22.32	9.29	31.70	6.41	21.88	9.57	32.66	5.65	19.27
					27	80.6	8.26	28.18	6.69	22.83	9.39	32.03	6.76	23.06	9.67	32.99	6.28	21.44
					31	87.8	8.34	28.46	7.01	23.91	9.48	32.35	6.83	23.29	9.76	33.32	6.44	21.99
Low	1380	812	0	0	23	73.4	7.50	25.58	5.62	19.19	8.52	29.07	5.37	18.32	8.78	29.94	4.74	16.17
					24	75.2	7.57	25.84	6.06	20.68	8.61	29.37	5.68	19.38	8.87	30.25	5.23	17.85
					27	80.6	7.65	26.11	6.20	21.15	8.69	29.67	6.00	20.47	8.96	30.56	5.55	18.94
					31	87.8	7.73	26.37	6.49	22.15	8.78	29.96	6.23	21.27	9.04	30.86	5.88	20.06

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1600	942	0	0	23	73.4	7.67	26.16	5.75	19.62	8.71	29.73	5.40	18.43	8.98	30.62	4.85	16.54
					24	75.2	7.75	26.43	6.20	21.15	8.80	30.04	5.55	18.92	9.07	30.94	5.35	18.25
					27	80.6	7.82	26.70	6.34	21.63	8.89	30.34	5.87	20.02	9.16	31.25	5.68	19.37
					31	87.8	7.90	26.97	6.64	22.65	8.98	30.64	6.20	21.14	9.25	31.56	6.01	20.52
Medium	1510	889	0	0	23	73.4	6.54	22.32	4.91	16.74	7.43	25.36	4.61	15.73	7.66	26.12	4.13	14.11
					24	75.2	7.36	25.11	5.89	20.09	8.36	28.53	5.77	19.69	8.61	29.39	5.08	17.34
					27	80.6	7.43	25.36	6.02	20.54	8.45	28.82	6.08	20.75	8.70	29.69	5.66	19.30
					31	87.8	7.51	25.62	6.31	21.52	8.53	29.11	6.14	20.96	8.79	29.98	5.80	19.79
Low	1380	812	0	0	23	73.4	6.75	23.03	5.06	17.27	7.67	26.16	4.83	16.48	7.90	26.95	4.27	14.55
					24	75.2	6.82	23.26	5.45	18.61	7.75	26.43	5.11	17.44	7.98	27.22	4.71	16.06
					27	80.6	6.89	23.49	5.58	19.03	7.82	26.70	5.40	18.42	8.06	27.50	5.00	17.05
					31	87.8	6.95	23.73	5.84	19.93	7.90	26.97	5.61	19.15	8.14	27.77	5.29	18.05

Model: GKH36K3BI/GUHN36NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity							
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh			
High	1600	942	0	0	23	73.4	9.46	32.27	7.09	24.20	10.75	36.67	6.66	22.74	11.07	37.77	5.98	20.40
					24	75.2	9.55	32.60	7.64	26.08	10.86	37.05	6.84	23.34	11.18	38.16	6.60	22.51
					27	80.6	9.65	32.93	7.82	26.67	10.97	37.42	7.24	24.70	11.30	38.54	7.00	23.90
					31	87.8	9.75	33.26	8.19	27.94	11.08	37.79	7.64	26.08	11.41	38.93	7.42	25.30
Medium	1510	889	0	0	23	73.4	8.99	30.66	6.74	22.99	10.21	34.84	6.33	21.60	10.52	35.88	5.68	19.38
					24	75.2	9.08	30.97	7.26	24.78	10.31	35.19	7.12	24.28	10.62	36.25	6.27	21.39
					27	80.6	9.17	31.28	7.43	25.34	10.42	35.55	7.50	25.59	10.73	36.61	6.98	23.80
					31	87.8	9.26	31.60	7.78	26.54	10.52	35.90	7.58	25.85	10.84	36.98	7.15	24.41
Low	1380	812	0	0	23	73.4	8.32	28.40	6.24	21.30	9.46	32.27	5.96	20.33	9.74	33.24	5.26	17.95
					24	75.2	8.41	28.69	6.73	22.95	9.55	32.60	6.31	21.52	9.84	33.58	5.81	19.81
					27	80.6	8.49	28.98	6.88	23.47	9.65	32.93	6.66	22.72	9.94	33.92	6.16	21.03
					31	87.8	8.58	29.27	7.21	24.58	9.75	33.26	6.92	23.61	10.04	34.26	6.53	22.27

Model: GKH42K3BI/GUHN42NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)															
							Indoor Air Wet Bulb Temperature °F (°C)															
							62°F (17°C)				67°F (19°C)				72°F (22°C)							
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	1600	942	0	0	23	73.4	11.28	38.49	8.46	28.86	12.82	43.73	7.95	27.11	13.20	45.05	7.13	24.32				
					24	75.2	11.39	38.88	9.12	31.10	12.95	44.18	8.16	27.83	13.34	45.50	7.87	26.85				
					27	80.6	11.51	39.27	9.32	31.81	13.08	44.63	8.63	29.45	13.47	45.96	8.35	28.50				
					31	87.8	11.62	39.66	9.76	33.32	13.21	45.07	9.11	31.10	13.61	46.42	8.84	30.18				
Medium	1510	889	0	0	23	73.4	10.72	36.56	8.04	27.42	12.18	41.55	7.55	25.76	12.54	42.79	6.77	23.11				
					24	75.2	10.82	36.93	8.66	29.55	12.30	41.97	8.49	28.96	12.67	43.23	7.48	25.51				
					27	80.6	10.93	37.31	8.86	30.22	12.43	42.39	8.95	30.52	12.80	43.67	8.32	28.38				
					31	87.8	11.04	37.68	9.28	31.65	12.55	42.82	9.04	30.83	12.93	44.10	8.53	29.11				
Low	1380	812	0	0	23	73.4	9.93	33.87	7.44	25.40	11.28	38.49	7.11	24.25	11.62	39.64	6.27	21.41				
					24	75.2	10.03	34.21	8.02	27.37	11.39	38.88	7.52	25.66	11.74	40.04	6.92	23.63				
					27	80.6	10.13	34.56	8.20	27.99	11.51	39.27	7.94	27.10	11.85	40.45	7.35	25.08				
					31	87.8	10.23	34.90	8.59	29.32	11.62	39.66	8.25	28.16	11.97	40.85	7.78	26.55				

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)															
							Indoor Air Wet Bulb Temperature °F (°C)															
							62°F (17°C)				67°F (19°C)				72°F (22°C)							
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	1600	942	0	0	23	73.4	10.25	34.99	7.69	26.24	11.65	39.76	7.22	24.65	12.00	40.95	6.48	22.11				
					24	75.2	10.36	35.34	8.29	28.27	11.77	40.16	7.42	25.30	12.12	41.37	7.15	24.41				
					27	80.6	10.46	35.70	8.48	28.92	11.89	40.57	7.85	26.78	12.25	41.79	7.59	25.91				
					31	87.8	10.57	36.06	8.88	30.29	12.01	40.97	8.29	28.27	12.37	42.20	8.04	27.43				
Medium	1510	889	0	0	23	73.4	9.74	33.24	7.31	24.93	11.07	37.77	6.86	23.42	11.40	38.90	6.16	21.01				
					24	75.2	9.84	33.58	7.87	26.86	11.18	38.15	7.72	26.33	11.52	39.30	6.80	23.19				
					27	80.6	9.94	33.92	8.05	27.47	11.30	38.54	8.13	27.75	11.63	39.70	7.56	25.80				
					31	87.8	10.04	34.25	8.43	28.77	11.41	38.93	8.21	28.03	11.75	40.09	7.76	26.46				
Low	1380	812	0	0	23	73.4	9.02	30.79	6.77	23.09	10.25	34.99	6.46	22.04	10.56	36.04	5.70	19.46				
					24	75.2	9.12	31.10	7.29	24.88	10.36	35.34	6.84	23.33	10.67	36.40	6.29	21.48				
					27	80.6	9.21	31.42	7.46	25.45	10.46	35.70	7.22	24.63	10.78	36.77	6.68	22.80				
					31	87.8	9.30	31.73	7.81	26.65	10.57	36.06	7.50	25.60	10.88	37.14	7.08	24.14				

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)															
							Indoor Air Wet Bulb Temperature °F (°C)															
							62°F (17°C)				67°F (19°C)				72°F (22°C)							
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	1600	942	0	0	23	73.4	9.23	31.49	6.92	23.62	10.49	35.78	6.50	22.18	10.80	36.86	5.83	19.90				
					24	75.2	9.32	31.81	7.46	25.45	10.59	36.15	6.67	22.77	10.91	37.23	6.44	21.97				
					27	80.6	9.42	32.13	7.63	26.03	10.70	36.51	7.06	24.10	11.02	37.61	6.83	23.32				
					31	87.8	9.51	32.45	7.99	27.26	10.81	36.88	7.46	25.45	11.13	37.98	7.24	24.69				
Medium	1510	889	0	0	23	73.4	7.87	26.86	5.90	20.15	8.95	30.52	5.55	18.92	9.21	31.44	4.98	16.98				
					24	75.2	8.86	30.22	7.09	24.17	10.06	34.34	6.94	23.69	10.37	35.37	6.12	20.87				
					27	80.6	8.95	30.52	7.25	24.72	10.17	34.69	7.32	24.97	10.47	35.73	6.81	23.22				
					31	87.8	9.04	30.83	7.59	25.90	10.27	35.03	7.39	25.22	10.58	36.08	6.98	23.82				
Low	1380	812	0	0	23	73.4	8.12	27.71	6.09	20.78	9.23	31.49	5.81	19.84	9.51	32.43	5.13	17.51				
					24	75.2	8.20	27.99	6.56	22.39	9.32	31.81	6.15	20.99	9.60	32.76	5.67	19.33				
					27	80.6	8.29	28.27	6.71	22.90	9.42	32.13	6.50	22.17	9.70	33.09	6.01	20.52				
					31	87.8	8.37	28.56	7.03	23.99	9.51	32.45	6.75	23.04	9.80	33.43	6.37	21.73				

Model: GKH48K3BI/GUHN48NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)															
							Indoor Air Wet Bulb Temperature °F (°C)															
							62°F (17°C)				67°F (19°C)				72°F (22°C)							
	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity							
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh					
High	1600	942	0	0	23	73.4	13.11	44.73	9.83	33.55	14.90	50.83	9.24	31.52	15.34	52.36	8.29	28.27				
					24	75.2	13.24	45.19	10.60	36.15	15.05	51.35	9.48	32.35	15.50	52.89	9.15	31.21				
					27	80.6	13.38	45.64	10.84	36.97	15.20	51.87	10.03	34.23	15.66	53.43	9.71	33.12				
					31	87.8	13.51	46.10	11.35	38.73	15.35	52.39	10.59	36.15	15.81	53.96	10.28	35.07				
Medium	1510	889	0	0	23	73.4	12.45	42.50	9.34	31.87	14.15	48.29	8.77	29.94	14.58	49.74	7.87	26.86				
					24	75.2	12.58	42.93	10.07	34.34	14.30	48.78	9.87	33.66	14.73	50.25	8.69	29.65				
					27	80.6	12.71	43.36	10.29	35.12	14.44	49.28	10.40	35.48	14.88	50.75	9.67	32.99				
					31	87.8	12.84	43.80	10.78	36.79	14.59	49.77	10.50	35.83	15.02	51.26	9.92	33.83				
Low	1380	812	0	0	23	73.4	11.54	39.36	8.65	29.52	13.11	44.73	8.26	28.18	13.50	46.07	7.29	24.88				
					24	75.2	11.65	39.77	9.32	31.81	13.24	45.19	8.74	29.82	13.64	46.54	8.05	27.46				
					27	80.6	11.77	40.17	9.54	32.54	13.38	45.64	9.23	31.49	13.78	47.01	8.54	29.15				
					31	87.8	11.89	40.57	9.99	34.08	13.51	46.10	9.59	32.73	13.92	47.48	9.05	30.86				

(2) Duct Type

Model: GFH09K3BI/GUHN09NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	564	332	0	0	23	73.4	2.70	9.22	2.03	6.92	3.07	10.48	1.90	6.50	3.16	10.80	1.71	5.83
					24	75.2	2.73	9.32	2.18	7.46	3.10	10.59	1.96	6.67	3.20	10.91	1.89	6.44
					27	80.6	2.76	9.41	2.23	7.62	3.14	10.70	2.07	7.06	3.23	11.02	2.00	6.83
					31	87.8	2.79	9.51	2.34	7.99	3.17	10.80	2.18	7.45	3.26	11.13	2.12	7.23
	471	277	15	0.06	23	73.4	2.46	8.39	1.85	6.30	2.80	9.54	1.73	5.91	2.88	9.83	1.56	5.31
					24	75.2	2.49	8.48	1.99	6.78	2.82	9.64	1.95	6.65	2.91	9.93	1.72	5.86
					27	80.6	2.51	8.57	2.03	6.94	2.85	9.73	2.05	7.01	2.94	10.03	1.91	6.52
					31	87.8	2.54	8.65	2.13	7.27	2.88	9.83	2.07	7.08	2.97	10.13	1.96	6.68
	402	237	25	0.1	23	73.4	2.16	7.38	1.62	5.53	2.46	8.39	1.55	5.28	2.53	8.64	1.37	4.66
					24	75.2	2.18	7.46	1.75	5.96	2.48	8.47	1.64	5.59	2.56	8.73	1.51	5.15
					27	80.6	2.21	7.53	1.79	6.10	2.51	8.56	1.73	5.90	2.58	8.81	1.60	5.46
					31	87.8	2.23	7.61	1.87	6.39	2.53	8.64	1.80	6.14	2.61	8.90	1.70	5.79
Medium	455	268	0	0	23	73.4	2.37	8.07	1.77	6.05	2.69	9.17	1.67	5.69	2.77	9.45	1.50	5.10
					24	75.2	2.39	8.15	1.91	6.52	2.72	9.27	1.71	5.84	2.80	9.54	1.65	5.63
					27	80.6	2.41	8.24	1.96	6.67	2.74	9.36	1.81	6.18	2.83	9.64	1.75	5.98
					31	87.8	2.44	8.32	2.05	6.99	2.77	9.45	1.91	6.52	2.85	9.74	1.85	6.33
	362	213	15	0.06	23	73.4	2.05	6.98	1.53	5.24	2.33	7.93	1.44	4.92	2.40	8.17	1.29	4.41
					24	75.2	2.07	7.05	1.65	5.64	2.35	8.02	1.62	5.53	2.42	8.26	1.43	4.87
					27	80.6	2.09	7.12	1.73	5.91	2.37	8.10	1.71	5.83	2.44	8.34	1.59	5.42
					31	87.8	2.11	7.20	1.77	6.04	2.40	8.18	1.73	5.89	2.47	8.42	1.63	5.56
	298	176	25	0.1	23	73.4	1.73	5.89	1.30	4.42	1.96	6.70	1.24	4.22	2.02	6.90	1.09	3.72
					24	75.2	1.74	5.95	1.40	4.76	1.98	6.76	1.31	4.46	2.04	6.97	1.20	4.11
					27	80.6	1.76	6.01	1.43	4.87	2.00	6.83	1.38	4.71	2.06	7.04	1.28	4.36
					31	87.8	1.78	6.07	1.50	5.10	2.02	6.90	1.44	4.90	2.08	7.11	1.35	4.62
Low	323	190	0	0	23	73.4	1.84	6.27	1.38	4.70	2.09	7.13	1.30	4.42	2.15	7.34	1.16	3.96
					24	75.2	1.86	6.34	1.49	5.07	2.11	7.20	1.33	4.54	2.17	7.42	1.28	4.38
					27	80.6	1.88	6.40	1.52	5.18	2.13	7.27	1.41	4.80	2.20	7.49	1.36	4.64
					31	87.8	1.89	6.46	1.59	5.43	2.15	7.35	1.49	5.07	2.22	7.57	1.44	4.92
	266	157	15	0.06	23	73.4	1.64	5.58	1.23	4.19	1.86	6.34	1.15	3.93	1.92	6.53	1.03	3.53
					24	75.2	1.65	5.64	1.32	4.51	1.88	6.41	1.30	4.42	1.93	6.60	1.14	3.89
					27	80.6	1.67	5.70	1.39	4.73	1.90	6.47	1.37	4.66	1.95	6.67	1.27	4.33
					31	87.8	1.69	5.75	1.42	4.83	1.92	6.54	1.38	4.71	1.97	6.73	1.30	4.44
	201	118	25	0.1	23	73.4	1.27	4.33	0.95	3.25	1.44	4.92	0.91	3.10	1.48	5.07	0.80	2.74
					24	75.2	1.28	4.37	1.03	3.50	1.46	4.97	0.96	3.28	1.50	5.12	0.88	3.02
					27	80.6	1.29	4.42	1.05	3.58	1.47	5.02	1.01	3.46	1.52	5.17	0.94	3.21
					31	87.8	1.31	4.46	1.10	3.75	1.49	5.07	1.05	3.60	1.53	5.22	0.99	3.39

Model: GFH09K3BI/GUHN09NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62° F(17°C)				67° F(19°C)				72° F(22°C)			
	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	564	332	0	0	23	73.4	2.46	8.39	1.84	6.29	2.79	9.53	1.73	5.91	2.88	9.82	1.55	5.30
					24	75.2	2.48	8.47	1.99	6.78	2.82	9.63	1.78	6.06	2.91	9.92	1.71	5.85
					27	80.6	2.51	8.56	2.03	6.93	2.85	9.72	1.88	6.42	2.94	10.02	1.82	6.21
					31	87.8	2.53	8.64	2.13	7.26	2.88	9.82	1.99	6.78	2.96	10.12	1.93	6.58
	471	277	15	0.06	23	73.4	2.24	7.63	1.68	5.72	2.54	8.67	1.58	5.38	2.62	8.93	1.41	4.82
					24	75.2	2.26	7.71	1.81	6.17	2.57	8.76	1.77	6.04	2.64	9.02	1.56	5.32
					27	80.6	2.28	7.79	1.85	6.31	2.59	8.85	1.87	6.37	2.67	9.11	1.74	5.92
					31	87.8	2.31	7.87	1.94	6.61	2.62	8.94	1.89	6.44	2.70	9.21	1.78	6.08
	402	237	25	0.1	23	73.4	1.97	6.71	1.47	5.03	2.23	7.62	1.41	4.80	2.30	7.85	1.24	4.24
					24	75.2	1.99	6.78	1.59	5.42	2.26	7.70	1.49	5.08	2.32	7.93	1.37	4.68
					27	80.6	2.01	6.85	1.63	5.55	2.28	7.78	1.57	5.37	2.35	8.01	1.46	4.97
					31	87.8	2.03	6.91	1.70	5.81	2.30	7.86	1.63	5.58	2.37	8.09	1.54	5.26
Medium	455	268	0	0	23	73.4	2.15	7.34	1.61	5.50	2.44	8.34	1.52	5.17	2.52	8.59	1.36	4.64
					24	75.2	2.17	7.41	1.74	5.93	2.47	8.42	1.56	5.31	2.54	8.68	1.50	5.12
					27	80.6	2.19	7.49	1.78	6.06	2.49	8.51	1.65	5.62	2.57	8.76	1.59	5.43
					31	87.8	2.22	7.56	1.86	6.35	2.52	8.59	1.74	5.93	2.59	8.85	1.69	5.75
	362	213	15	0.06	23	73.4	1.86	6.35	1.40	4.76	2.11	7.21	1.31	4.47	2.18	7.43	1.18	4.01
					24	75.2	1.88	6.41	1.50	5.13	2.14	7.29	1.47	5.03	2.20	7.50	1.30	4.43
					27	80.6	1.90	6.48	1.54	5.25	2.16	7.36	1.55	5.30	2.22	7.58	1.44	4.93
					31	87.8	1.92	6.54	1.61	5.49	2.18	7.43	1.57	5.35	2.24	7.66	1.48	5.05
	298	176	25	0.1	23	73.4	1.57	5.36	1.18	4.02	1.78	6.09	1.12	3.83	1.84	6.27	0.99	3.39
					24	75.2	1.59	5.41	1.27	4.33	1.80	6.15	1.19	4.06	1.86	6.33	1.10	3.74
					27	80.6	1.60	5.47	1.30	4.43	1.82	6.21	1.26	4.29	1.88	6.40	1.16	3.97
					31	87.8	1.62	5.52	1.36	4.64	1.84	6.27	1.31	4.45	1.89	6.46	1.23	4.20
Low	323	190	0	0	23	73.4	1.67	5.70	1.25	4.28	1.90	6.48	1.18	4.02	1.96	6.67	1.06	3.60
					24	75.2	1.69	5.76	1.35	4.61	1.92	6.55	1.21	4.12	1.98	6.74	1.17	3.98
					27	80.6	1.71	5.82	1.38	4.71	1.94	6.61	1.28	4.36	2.00	6.81	1.24	4.22
					31	87.8	1.72	5.88	1.45	4.94	1.96	6.68	1.35	4.61	2.02	6.88	1.31	4.47
	266	157	15	0.06	23	73.4	1.49	5.08	1.12	3.81	1.69	5.77	1.05	3.58	1.74	5.94	0.94	3.21
					24	75.2	1.50	5.13	1.20	4.10	1.71	5.83	1.18	4.02	1.76	6.00	1.04	3.54
					27	80.6	1.52	5.18	1.23	4.19	1.72	5.89	1.24	4.24	1.78	6.06	1.15	3.94
					31	87.8	1.53	5.23	1.29	4.39	1.74	5.94	1.25	4.28	1.79	6.12	1.18	4.04
	201	118	25	0.1	23	73.4	1.15	3.93	0.86	2.95	1.31	4.47	0.83	2.82	1.35	4.61	0.73	2.49
					24	75.2	1.16	3.97	0.93	3.18	1.32	4.52	0.87	2.98	1.36	4.65	0.80	2.74
					27	80.6	1.18	4.02	0.95	3.25	1.34	4.56	0.92	3.15	1.38	4.70	0.85	2.91
					31	87.8	1.19	4.06	1.00	3.41	1.35	4.61	0.96	3.27	1.39	4.75	0.90	3.09

Model: GFH09K3BI/GUHN09NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	564	332	0	0	23	73.4	2.21	7.55	1.66	5.66	2.51	8.58	1.56	5.32	2.59	8.83	1.40	4.77
					24	75.2	2.23	7.62	1.79	6.10	2.54	8.66	1.60	5.46	2.62	8.92	1.54	5.27
					27	80.6	2.26	7.70	1.83	6.24	2.57	8.75	1.69	5.78	2.64	9.01	1.64	5.59
					31	87.8	2.28	7.78	1.92	6.53	2.59	8.84	1.79	6.10	2.67	9.10	1.73	5.92
	471	277	15	0.06	23	73.4	1.81	6.17	1.36	4.63	2.05	7.01	1.27	4.35	2.12	7.22	1.14	3.90
					24	75.2	2.03	6.94	1.63	5.55	2.31	7.88	1.59	5.44	2.38	8.12	1.40	4.79
					27	80.6	2.05	7.01	1.66	5.68	2.33	7.96	1.68	5.73	2.40	8.20	1.56	5.33
					31	87.8	2.07	7.08	1.74	5.95	2.36	8.04	1.70	5.79	2.43	8.29	1.60	5.47
	402	237	25	0.1	23	73.4	1.77	6.04	1.33	4.53	2.01	6.86	1.27	4.32	2.07	7.07	1.12	3.82
					24	75.2	1.79	6.10	1.43	4.88	2.03	6.93	1.34	4.57	2.09	7.14	1.23	4.21
					27	80.6	1.81	6.16	1.46	4.99	2.05	7.00	1.42	4.83	2.11	7.21	1.31	4.47
					31	87.8	1.82	6.22	1.53	5.23	2.07	7.07	1.47	5.02	2.13	7.28	1.39	4.73
Medium	455	268	0	0	23	73.4	1.94	6.60	1.45	4.95	2.20	7.50	1.36	4.65	2.27	7.73	1.22	4.17
					24	75.2	1.96	6.67	1.56	5.34	2.22	7.58	1.40	4.78	2.29	7.81	1.35	4.61
					27	80.6	1.98	6.74	1.60	5.46	2.24	7.66	1.48	5.05	2.31	7.89	1.43	4.89
					31	87.8	1.99	6.81	1.68	5.72	2.27	7.73	1.56	5.34	2.33	7.97	1.52	5.18
	362	213	15	0.06	23	73.4	1.50	5.13	1.13	3.85	1.71	5.83	1.06	3.61	1.76	6.00	0.95	3.24
					24	75.2	1.69	5.77	1.35	4.62	1.92	6.56	1.33	4.52	1.98	6.75	1.17	3.99
					27	80.6	1.71	5.83	1.38	4.72	1.94	6.62	1.40	4.77	2.00	6.82	1.30	4.43
					31	87.8	1.73	5.89	1.45	4.95	1.96	6.69	1.41	4.82	2.02	6.89	1.33	4.55
	298	176	25	0.1	23	73.4	1.41	4.82	1.06	3.62	1.61	5.48	1.01	3.45	1.65	5.64	0.89	3.05
					24	75.2	1.43	4.87	1.14	3.90	1.62	5.53	1.07	3.65	1.67	5.70	0.99	3.36
					27	80.6	1.44	4.92	1.17	3.98	1.64	5.59	1.13	3.86	1.69	5.76	1.05	3.57
					31	87.8	1.46	4.97	1.22	4.17	1.65	5.65	1.17	4.01	1.70	5.82	1.11	3.78
Low	323	190	0	0	23	73.4	1.50	5.13	1.13	3.85	1.71	5.83	1.06	3.62	1.76	6.01	0.95	3.24
					24	75.2	1.52	5.18	1.22	4.15	1.73	5.89	1.09	3.71	1.78	6.07	1.05	3.58
					27	80.6	1.53	5.24	1.24	4.24	1.74	5.95	1.15	3.93	1.80	6.13	1.11	3.80
					31	87.8	1.55	5.29	1.30	4.44	1.76	6.01	1.22	4.15	1.81	6.19	1.18	4.02
	266	157	15	0.06	23	73.4	1.24	4.24	0.93	3.18	1.41	4.82	0.88	2.99	1.45	4.96	0.79	2.68
					24	75.2	1.40	4.77	1.12	3.82	1.59	5.42	1.10	3.74	1.64	5.58	0.97	3.29
					27	80.6	1.41	4.82	1.14	3.90	1.60	5.48	1.16	3.94	1.65	5.64	1.07	3.67
					31	87.8	1.43	4.87	1.20	4.09	1.62	5.53	1.17	3.98	1.67	5.70	1.10	3.76
	201	118	25	0.1	23	73.4	1.10	3.75	0.82	2.81	1.25	4.26	0.79	2.68	1.29	4.39	0.69	2.37
					24	75.2	1.11	3.78	0.89	3.03	1.26	4.30	0.83	2.84	1.30	4.43	0.77	2.61
					27	80.6	1.12	3.82	0.91	3.10	1.27	4.34	0.88	3.00	1.31	4.47	0.81	2.77
					31	87.8	1.13	3.86	0.95	3.24	1.29	4.39	0.91	3.12	1.32	4.52	0.86	2.94

Model: GFH12K3BI/GUHN12NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	634	373	0	0	23	73.4	3.46	11.81	2.60	8.86	3.93	13.43	2.44	8.32	4.05	13.83	2.19	7.47
					24	75.2	3.50	11.93	2.80	9.55	3.97	13.56	2.50	8.54	4.09	13.97	2.42	8.24
					27	80.6	3.53	12.06	2.86	9.76	4.02	13.70	2.65	9.04	4.14	14.11	2.56	8.75
					31	87.8	3.57	12.18	3.00	10.23	4.06	13.84	2.80	9.55	4.18	14.25	2.71	9.26
	541	319	15	0.06	23	73.4	3.19	10.87	2.39	8.15	3.62	12.35	2.24	7.66	3.73	12.72	2.01	6.87
					24	75.2	3.22	10.98	2.57	8.78	3.66	12.48	2.52	8.61	3.77	12.85	2.22	7.58
					27	80.6	3.25	11.09	2.63	8.98	3.69	12.60	2.66	9.07	3.80	12.98	2.47	8.44
					31	87.8	3.28	11.20	2.76	9.41	3.73	12.73	2.69	9.17	3.84	13.11	2.54	8.65
	472	278	25	0.1	23	73.4	2.87	9.81	2.16	7.35	3.27	11.14	2.06	7.02	3.36	11.48	1.82	6.20
					24	75.2	2.90	9.91	2.32	7.92	3.30	11.26	2.18	7.43	3.40	11.59	2.00	6.84
					27	80.6	2.93	10.01	2.38	8.10	3.33	11.37	2.30	7.85	3.43	11.71	2.13	7.26
					31	87.8	2.96	10.11	2.49	8.49	3.37	11.48	2.39	8.15	3.47	11.83	2.25	7.69
Medium	525	309	0	0	23	73.4	3.05	10.40	2.29	7.80	3.46	11.81	2.15	7.32	3.57	12.17	1.93	6.57
					24	75.2	3.08	10.50	2.46	8.40	3.50	11.93	2.20	7.52	3.60	12.29	2.13	7.25
					27	80.6	3.11	10.61	2.52	8.59	3.53	12.06	2.33	7.96	3.64	12.42	2.26	7.70
					31	87.8	3.14	10.71	2.64	9.00	3.57	12.18	2.46	8.40	3.68	12.54	2.39	8.15
	432	254	15	0.06	23	73.4	2.71	9.25	2.03	6.94	3.08	10.51	1.91	6.52	3.17	10.83	1.71	5.85
					24	75.2	2.74	9.35	2.19	7.48	3.11	10.62	2.15	7.33	3.21	10.94	1.89	6.45
					27	80.6	2.77	9.44	2.30	7.84	3.14	10.73	2.26	7.73	3.24	11.05	2.11	7.18
					31	87.8	2.79	9.54	2.35	8.01	3.18	10.84	2.29	7.80	3.27	11.16	2.16	7.37
	368	217	25	0.1	23	73.4	2.38	8.11	1.78	6.08	2.70	9.22	1.70	5.81	2.78	9.49	1.50	5.13
					24	75.2	2.40	8.19	1.92	6.55	2.73	9.31	1.80	6.14	2.81	9.59	1.66	5.66
					27	80.6	2.43	8.27	1.96	6.70	2.76	9.40	1.90	6.49	2.84	9.69	1.76	6.00
					31	87.8	2.45	8.36	2.06	7.02	2.78	9.50	1.98	6.74	2.87	9.78	1.86	6.36
Low	393	231	0	0	23	73.4	2.53	8.62	1.90	6.47	2.87	9.80	1.78	6.08	2.96	10.09	1.60	5.45
					24	75.2	2.55	8.71	2.04	6.97	2.90	9.90	1.83	6.24	2.99	10.20	1.76	6.02
					27	80.6	2.58	8.80	2.09	7.13	2.93	10.00	1.93	6.60	3.02	10.30	1.87	6.39
					31	87.8	2.61	8.89	2.19	7.47	2.96	10.10	2.04	6.97	3.05	10.40	1.98	6.76
	336	198	15	0.06	23	73.4	2.22	7.59	1.67	5.69	2.53	8.62	1.57	5.35	2.60	8.88	1.41	4.80
					24	75.2	2.25	7.67	1.80	6.13	2.55	8.71	1.76	6.01	2.63	8.97	1.55	5.29
					27	80.6	2.27	7.74	1.88	6.43	2.58	8.80	1.86	6.34	2.66	9.06	1.73	5.89
					31	87.8	2.29	7.82	1.93	6.57	2.61	8.89	1.88	6.40	2.68	9.16	1.77	6.04
	271	160	25	0.1	23	73.4	1.92	6.55	1.44	4.92	2.18	7.45	1.38	4.69	2.25	7.67	1.21	4.14
					24	75.2	1.94	6.62	1.55	5.30	2.21	7.52	1.46	4.97	2.27	7.75	1.34	4.57
					27	80.6	1.96	6.69	1.59	5.42	2.23	7.60	1.54	5.24	2.29	7.83	1.42	4.85
					31	87.8	1.98	6.76	1.66	5.67	2.25	7.68	1.60	5.45	2.32	7.91	1.51	5.14

Model: GFH12K3BI/GUHN12NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	634	373	0	0	23	73.4	3.15	10.74	2.36	8.06	3.58	12.20	2.22	7.57	3.68	12.57	1.99	6.79
					24	75.2	3.18	10.85	2.54	8.68	3.61	12.33	2.28	7.77	3.72	12.70	2.20	7.49
					27	80.6	3.21	10.96	2.60	8.88	3.65	12.45	2.41	8.22	3.76	12.83	2.33	7.95
					31	87.8	3.24	11.07	2.73	9.30	3.69	12.58	2.54	8.68	3.80	12.96	2.47	8.42
	541	319	15	0.06	23	73.4	2.90	9.88	2.17	7.41	3.29	11.23	2.04	6.96	3.39	11.57	1.83	6.25
					24	75.2	2.93	9.98	2.34	7.99	3.32	11.34	2.29	7.83	3.42	11.68	2.02	6.89
					27	80.6	2.96	10.08	2.39	8.17	3.36	11.46	2.42	8.25	3.46	11.80	2.25	7.67
					31	87.8	2.98	10.18	2.51	8.55	3.39	11.57	2.44	8.33	3.49	11.92	2.31	7.87
	472	278	25	0.1	23	73.4	2.61	8.91	1.96	6.69	2.97	10.13	1.87	6.38	3.06	10.43	1.65	5.63
					24	75.2	2.64	9.01	2.11	7.20	3.00	10.23	1.98	6.75	3.09	10.54	1.82	6.22
					27	80.6	2.67	9.10	2.16	7.37	3.03	10.34	2.09	7.13	3.12	10.65	1.93	6.60
					31	87.8	2.69	9.19	2.26	7.72	3.06	10.44	2.17	7.41	3.15	10.75	2.05	6.99
Medium	525	309	0	0	23	73.4	2.77	9.45	2.08	7.09	3.15	10.74	1.95	6.66	3.24	11.06	1.75	5.97
					24	75.2	2.80	9.55	2.24	7.64	3.18	10.85	2.00	6.84	3.28	11.18	1.93	6.59
					27	80.6	2.83	9.64	2.29	7.81	3.21	10.96	2.12	7.23	3.31	11.29	2.05	7.00
					31	87.8	2.85	9.74	2.40	8.18	3.24	11.07	2.24	7.64	3.34	11.40	2.17	7.41
	432	254	15	0.06	23	73.4	2.47	8.41	1.85	6.31	2.80	9.56	1.74	5.93	2.89	9.85	1.56	5.32
					24	75.2	2.49	8.50	1.99	6.80	2.83	9.66	1.95	6.66	2.91	9.95	1.72	5.87
					27	80.6	2.52	8.58	2.04	6.95	2.86	9.75	2.06	7.02	2.94	10.05	1.91	6.53
					31	87.8	2.54	8.67	2.13	7.28	2.89	9.85	2.08	7.09	2.97	10.15	1.96	6.70
	368	217	25	0.1	23	73.4	2.16	7.37	1.62	5.53	2.46	8.38	1.55	5.28	2.53	8.63	1.37	4.66
					24	75.2	2.18	7.45	1.75	5.96	2.48	8.46	1.64	5.59	2.55	8.72	1.51	5.14
					27	80.6	2.20	7.52	1.79	6.09	2.51	8.55	1.73	5.90	2.58	8.80	1.60	5.46
					31	87.8	2.23	7.60	1.87	6.38	2.53	8.63	1.80	6.13	2.61	8.89	1.69	5.78
Low	393	231	0	0	23	73.4	2.30	7.84	1.72	5.88	2.61	8.91	1.62	5.52	2.69	9.18	1.45	4.96
					24	75.2	2.32	7.92	1.86	6.34	2.64	9.00	1.66	5.67	2.72	9.27	1.60	5.47
					27	80.6	2.34	8.00	1.90	6.48	2.66	9.09	1.76	6.00	2.74	9.36	1.70	5.81
					31	87.8	2.37	8.08	1.99	6.79	2.69	9.18	1.86	6.34	2.77	9.46	1.80	6.15
	336	198	15	0.06	23	73.4	2.02	6.90	1.52	5.17	2.30	7.84	1.42	4.86	2.37	8.08	1.28	4.36
					24	75.2	2.04	6.97	1.63	5.58	2.32	7.92	1.60	5.47	2.39	8.16	1.41	4.81
					27	80.6	2.06	7.04	1.67	5.70	2.34	8.00	1.69	5.76	2.42	8.24	1.57	5.36
					31	87.8	2.08	7.11	1.75	5.97	2.37	8.08	1.71	5.82	2.44	8.32	1.61	5.49
	271	160	25	0.1	23	73.4	1.75	5.96	1.31	4.47	1.98	6.77	1.25	4.27	2.04	6.97	1.10	3.77
					24	75.2	1.76	6.02	1.41	4.82	2.00	6.84	1.32	4.51	2.06	7.05	1.22	4.16
					27	80.6	1.78	6.08	1.44	4.92	2.03	6.91	1.40	4.77	2.09	7.12	1.29	4.41
					31	87.8	1.80	6.14	1.51	5.16	2.05	6.98	1.45	4.95	2.11	7.19	1.37	4.67

Model: GFH12K3BI/GUHN12NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity							
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	634	373	0	0	23	73.4	2.83	9.67	2.12	7.25	3.22	10.98	2.00	6.81	3.32	11.31	1.79	6.11
					24	75.2	2.86	9.76	2.29	7.81	3.25	11.10	2.05	6.99	3.35	11.43	1.98	6.74
					27	80.6	2.89	9.86	2.34	7.99	3.29	11.21	2.17	7.40	3.38	11.54	2.10	7.16
					31	87.8	2.92	9.96	2.45	8.37	3.32	11.32	2.29	7.81	3.42	11.66	2.22	7.58
	541	319	15	0.06	23	73.4	2.34	7.99	1.76	5.99	2.66	9.07	1.65	5.63	2.74	9.35	1.48	5.05
					24	75.2	2.63	8.98	2.11	7.19	2.99	10.21	2.06	7.04	3.08	10.51	1.82	6.20
					27	80.6	2.66	9.07	2.15	7.35	3.02	10.31	2.18	7.42	3.11	10.62	2.02	6.90
					31	87.8	2.69	9.17	2.26	7.70	3.05	10.41	2.20	7.50	3.14	10.73	2.08	7.08
	472	278	25	0.1	23	73.4	2.35	8.02	1.76	6.02	2.67	9.12	1.68	5.74	2.75	9.39	1.49	5.07
					24	75.2	2.38	8.10	1.90	6.48	2.70	9.21	1.78	6.08	2.78	9.49	1.64	5.60
					27	80.6	2.40	8.19	1.94	6.63	2.73	9.30	1.88	6.42	2.81	9.58	1.74	5.94
					31	87.8	2.42	8.27	2.04	6.95	2.75	9.40	1.96	6.67	2.84	9.68	1.84	6.29
Medium	525	309	0	0	23	73.4	2.49	8.51	1.87	6.38	2.83	9.67	1.76	5.99	2.92	9.96	1.58	5.38
					24	75.2	2.52	8.59	2.01	6.87	2.86	9.76	1.80	6.15	2.95	10.06	1.74	5.93
					27	80.6	2.54	8.68	2.06	7.03	2.89	9.86	1.91	6.51	2.98	10.16	1.85	6.30
					31	87.8	2.57	8.77	2.16	7.36	2.92	9.96	2.01	6.87	3.01	10.26	1.95	6.67
	432	254	15	0.06	23	73.4	1.99	6.80	1.49	5.10	2.26	7.73	1.40	4.79	2.33	7.96	1.26	4.30
					24	75.2	2.24	7.65	1.79	6.12	2.55	8.69	1.76	6.00	2.62	8.95	1.55	5.28
					27	80.6	2.26	7.73	1.83	6.26	2.57	8.78	1.85	6.32	2.65	9.04	1.72	5.88
					31	87.8	2.29	7.80	1.92	6.55	2.60	8.87	1.87	6.38	2.68	9.13	1.77	6.03
	368	217	25	0.1	23	73.4	1.94	6.63	1.46	4.98	2.21	7.54	1.39	4.75	2.28	7.77	1.23	4.19
					24	75.2	1.96	6.70	1.57	5.36	2.23	7.62	1.47	5.03	2.30	7.85	1.36	4.63
					27	80.6	1.98	6.77	1.61	5.48	2.25	7.69	1.56	5.31	2.32	7.92	1.44	4.91
					31	87.8	2.00	6.84	1.68	5.74	2.28	7.77	1.62	5.52	2.35	8.00	1.52	5.20
Low	393	231	0	0	23	73.4	2.07	7.06	1.55	5.29	2.35	8.02	1.46	4.97	2.42	8.26	1.31	4.46
					24	75.2	2.09	7.13	1.67	5.70	2.37	8.10	1.50	5.10	2.45	8.34	1.44	4.92
					27	80.6	2.11	7.20	1.71	5.83	2.40	8.18	1.58	5.40	2.47	8.43	1.53	5.23
					31	87.8	2.13	7.27	1.79	6.11	2.42	8.26	1.67	5.70	2.49	8.51	1.62	5.53
	336	198	15	0.06	23	73.4	1.67	5.70	1.25	4.28	1.90	6.48	1.18	4.02	1.96	6.67	1.06	3.60
					24	75.2	1.88	6.42	1.50	5.13	2.14	7.29	1.47	5.03	2.20	7.51	1.30	4.43
					27	80.6	1.90	6.48	1.54	5.25	2.16	7.36	1.55	5.30	2.22	7.58	1.44	4.93
					31	87.8	1.92	6.55	1.61	5.50	2.18	7.44	1.57	5.36	2.25	7.66	1.48	5.06
	271	160	25	0.1	23	73.4	1.68	5.72	1.26	4.29	1.90	6.49	1.20	4.09	1.96	6.69	1.06	3.61
					24	75.2	1.69	5.77	1.35	4.62	1.92	6.56	1.27	4.33	1.98	6.76	1.17	3.99
					27	80.6	1.71	5.83	1.38	4.72	1.94	6.63	1.34	4.57	2.00	6.83	1.24	4.23
					31	87.8	1.73	5.89	1.45	4.95	1.96	6.69	1.39	4.75	2.02	6.89	1.31	4.48

Model: GFH18K3BI/GUHN18NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	1067	628	0	0	23	73.4	5.03	17.15	3.77	12.87	5.71	19.49	3.54	12.09	5.88	20.08	3.18	10.84
					24	75.2	5.08	17.33	4.06	13.86	5.77	19.69	3.64	12.41	5.94	20.28	3.51	11.97
					27	80.6	5.13	17.50	4.16	14.18	5.83	19.89	3.85	13.13	6.00	20.49	3.72	12.70
					31	87.8	5.18	17.68	4.35	14.85	5.89	20.09	4.06	13.86	6.06	20.69	3.94	13.45
	925	544	15	0.06	23	73.4	4.73	16.13	3.54	12.09	5.37	18.32	3.33	11.36	5.53	18.87	2.99	10.19
					24	75.2	4.77	16.29	3.82	13.03	5.43	18.51	3.74	12.77	5.59	19.07	3.30	11.25
					27	80.6	4.82	16.45	3.91	13.33	5.48	18.70	3.95	13.46	5.64	19.26	3.67	12.52
					31	87.8	4.87	16.62	4.09	13.96	5.54	18.89	3.99	13.60	5.70	19.45	3.76	12.84
	820	483	25	0.1	23	73.4	4.32	14.75	3.24	11.06	4.91	16.76	3.10	10.56	5.06	17.27	2.73	9.32
					24	75.2	4.37	14.90	3.49	11.92	4.96	16.94	3.28	11.18	5.11	17.44	3.02	10.29
					27	80.6	4.41	15.05	3.57	12.19	5.01	17.11	3.46	11.80	5.16	17.62	3.20	10.92
					31	87.8	4.46	15.20	3.74	12.77	5.06	17.28	3.60	12.27	5.22	17.80	3.39	11.57
Medium	955	562	0	0	23	73.4	4.93	16.81	3.70	12.61	5.60	19.10	3.47	11.84	5.77	19.68	3.11	10.63
					24	75.2	4.98	16.98	3.98	13.59	5.66	19.30	3.56	12.16	5.83	19.88	3.44	11.73
					27	80.6	5.03	17.15	4.07	13.90	5.71	19.49	3.77	12.87	5.88	20.08	3.65	12.45
					31	87.8	5.08	17.33	4.27	14.55	5.77	19.69	3.98	13.59	5.94	20.28	3.86	13.18
	815	480	15	0.06	23	73.4	4.43	15.13	3.33	11.35	5.04	17.19	3.12	10.66	5.19	17.71	2.80	9.56
					24	75.2	4.48	15.28	3.58	12.23	5.09	17.37	3.51	11.98	5.24	17.89	3.09	10.56
					27	80.6	4.53	15.44	3.76	12.81	5.14	17.54	3.70	12.63	5.30	18.07	3.44	11.75
					31	87.8	4.57	15.59	3.84	13.10	5.19	17.72	3.74	12.76	5.35	18.25	3.53	12.05
	715	421	25	0.1	23	73.4	4.24	14.46	3.18	10.84	4.82	16.43	3.03	10.35	4.96	16.92	2.68	9.14
					24	75.2	4.28	14.61	3.42	11.68	4.86	16.60	3.21	10.95	5.01	17.10	2.96	10.09
					27	80.6	4.32	14.75	3.50	11.95	4.91	16.76	3.39	11.57	5.06	17.27	3.14	10.71
					31	87.8	4.37	14.90	3.67	12.52	4.96	16.93	3.52	12.02	5.11	17.44	3.32	11.34
Low	824	485	0	0	23	73.4	4.53	15.44	3.39	11.58	5.14	17.54	3.19	10.88	5.30	18.07	2.86	9.76
					24	75.2	4.57	15.60	3.66	12.48	5.19	17.72	3.27	11.17	5.35	18.26	3.16	10.77
					27	80.6	4.62	15.75	3.74	12.76	5.25	17.90	3.46	11.82	5.40	18.44	3.35	11.43
					31	87.8	4.66	15.91	3.92	13.37	5.30	18.08	3.66	12.48	5.46	18.62	3.55	12.11
	683	402	15	0.06	23	73.4	4.25	14.51	3.19	10.88	4.83	16.49	3.00	10.23	4.98	16.99	2.69	9.17
					24	75.2	4.30	14.66	3.44	11.73	4.88	16.66	3.37	11.50	5.03	17.16	2.97	10.12
					27	80.6	4.34	14.81	3.60	12.29	4.93	16.83	3.55	12.12	5.08	17.33	3.30	11.27
					31	87.8	4.38	14.96	3.68	12.56	4.98	17.00	3.59	12.24	5.13	17.51	3.39	11.55
	586	345	25	0.1	23	73.4	3.89	13.28	2.92	9.96	4.42	15.09	2.79	9.51	4.55	15.54	2.46	8.39
					24	75.2	3.93	13.41	3.14	10.73	4.47	15.24	2.95	10.06	4.60	15.70	2.71	9.26
					27	80.6	3.97	13.55	3.22	10.97	4.51	15.40	3.11	10.62	4.65	15.86	2.88	9.83
					31	87.8	4.01	13.68	3.37	11.49	4.56	15.55	3.24	11.04	4.69	16.02	3.05	10.41

Model: GFH18K3BI/GUHN18NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	1067	628	0	0	23	73.4	4.57	15.60	3.43	11.70	5.19	17.72	3.22	10.99	5.35	18.25	2.89	9.86
					24	75.2	4.62	15.75	3.69	12.60	5.25	17.90	3.31	11.28	5.40	18.44	3.19	10.88
					27	80.6	4.66	15.91	3.78	12.89	5.30	18.08	3.50	11.94	5.46	18.63	3.38	11.55
					31	87.8	4.71	16.07	3.96	13.50	5.35	18.26	3.69	12.60	5.51	18.81	3.58	12.23
	925	544	15	0.06	23	73.4	4.39	14.97	3.29	11.23	4.99	17.01	3.09	10.55	5.14	17.52	2.77	9.46
					24	75.2	4.43	15.12	3.55	12.10	5.04	17.19	3.48	11.86	5.19	17.70	3.06	10.44
					27	80.6	4.48	15.28	3.63	12.37	5.09	17.36	3.66	12.50	5.24	17.88	3.41	11.62
					31	87.8	4.52	15.43	3.80	12.96	5.14	17.53	3.70	12.62	5.29	18.06	3.49	11.92
	820	483	25	0.1	23	73.4	4.11	14.04	3.09	10.53	4.67	15.95	2.94	10.05	4.81	16.43	2.60	8.87
					24	75.2	4.16	14.18	3.32	11.34	4.72	16.11	3.12	10.63	4.86	16.60	2.87	9.79
					27	80.6	4.20	14.32	3.40	11.60	4.77	16.28	3.29	11.23	4.91	16.76	3.05	10.39
					31	87.8	4.24	14.47	3.56	12.15	4.82	16.44	3.42	11.67	4.96	16.93	3.23	11.01
Medium	955	562	0	0	23	73.4	4.48	15.28	3.36	11.46	5.09	17.37	3.16	10.77	5.24	17.89	2.83	9.66
					24	75.2	4.53	15.44	3.62	12.35	5.14	17.54	3.24	11.05	5.30	18.07	3.12	10.66
					27	80.6	4.57	15.60	3.70	12.63	5.19	17.72	3.43	11.70	5.35	18.25	3.32	11.32
					31	87.8	4.62	15.75	3.88	13.23	5.25	17.90	3.62	12.35	5.40	18.44	3.51	11.98
	815	480	15	0.06	23	73.4	4.21	14.37	3.16	10.77	4.78	16.33	2.97	10.12	4.93	16.82	2.66	9.08
					24	75.2	4.25	14.51	3.40	11.61	4.83	16.49	3.34	11.38	4.98	16.99	2.94	10.02
					27	80.6	4.30	14.66	3.57	12.17	4.88	16.66	3.52	11.99	5.03	17.16	3.27	11.15
					31	87.8	4.34	14.81	3.65	12.44	4.93	16.83	3.55	12.11	5.08	17.33	3.35	11.44
	715	421	25	0.1	23	73.4	3.85	13.14	2.89	9.86	4.38	14.94	2.76	9.41	4.51	15.38	2.43	8.31
					24	75.2	3.89	13.28	3.11	10.62	4.42	15.09	2.92	9.96	4.55	15.54	2.69	9.17
					27	80.6	3.93	13.41	3.18	10.86	4.47	15.24	3.08	10.52	4.60	15.70	2.85	9.73
					31	87.8	3.97	13.55	3.33	11.38	4.51	15.39	3.20	10.93	4.65	15.86	3.02	10.31
Low	824	485	0	0	23	73.4	4.23	14.43	3.17	10.82	4.80	16.39	2.98	10.16	4.95	16.88	2.67	9.12
					24	75.2	4.27	14.57	3.42	11.66	4.85	16.56	3.06	10.43	5.00	17.06	2.95	10.06
					27	80.6	4.31	14.72	3.49	11.92	4.90	16.73	3.24	11.04	5.05	17.23	3.13	10.68
					31	87.8	4.36	14.87	3.66	12.49	4.95	16.89	3.42	11.66	5.10	17.40	3.32	11.31
	683	402	15	0.06	23	73.4	3.72	12.69	2.79	9.52	4.23	14.43	2.62	8.94	4.35	14.86	2.35	8.02
					24	75.2	3.76	12.82	3.01	10.26	4.27	14.57	2.95	10.06	4.40	15.01	2.60	8.86
					27	80.6	3.80	12.95	3.15	10.75	4.31	14.72	3.11	10.60	4.44	15.16	2.89	9.86
					31	87.8	3.83	13.08	3.22	10.99	4.36	14.87	3.14	10.70	4.49	15.31	2.96	10.11
	586	345	25	0.1	23	73.4	3.42	11.68	2.57	8.76	3.89	13.28	2.45	8.37	4.01	13.68	2.16	7.39
					24	75.2	3.46	11.80	2.77	9.44	3.93	13.41	2.59	8.85	4.05	13.82	2.39	8.15
					27	80.6	3.49	11.92	2.83	9.66	3.97	13.55	2.74	9.35	4.09	13.96	2.54	8.65
					31	87.8	3.53	12.04	2.96	10.12	4.01	13.68	2.85	9.72	4.13	14.10	2.69	9.16

Model: GFH18K3BI/GUHN18NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	1067	628	0	0	23	73.4	3.89	13.26	2.91	9.94	4.41	15.06	2.74	9.34	4.55	15.52	2.46	8.38
					24	75.2	3.92	13.39	3.14	10.71	4.46	15.22	2.81	9.59	4.59	15.67	2.71	9.25
					27	80.6	3.96	13.53	3.21	10.96	4.51	15.37	2.97	10.14	4.64	15.83	2.88	9.82
					31	87.8	4.00	13.66	3.36	11.48	4.55	15.52	3.14	10.71	4.69	15.99	3.05	10.39
	925	544	15	0.06	23	73.4	3.35	11.43	2.51	8.57	3.81	12.99	2.36	8.05	3.92	13.38	2.12	7.22
					24	75.2	3.77	12.86	3.01	10.28	4.28	14.61	2.95	10.08	4.41	15.05	2.60	8.88
					27	80.6	3.81	12.99	3.08	10.52	4.32	14.76	3.11	10.62	4.45	15.20	2.90	9.88
					31	87.8	3.84	13.12	3.23	11.02	4.37	14.90	3.14	10.73	4.50	15.35	2.97	10.13
	820	483	25	0.1	23	73.4	3.50	11.93	2.62	8.95	3.97	13.56	2.50	8.54	4.09	13.96	2.21	7.54
					24	75.2	3.53	12.05	2.83	9.64	4.01	13.70	2.65	9.04	4.13	14.11	2.44	8.32
					27	80.6	3.57	12.17	2.89	9.86	4.05	13.83	2.80	9.55	4.18	14.25	2.59	8.83
					31	87.8	3.60	12.30	3.03	10.33	4.10	13.97	2.91	9.92	4.22	14.39	2.74	9.35
Medium	955	562	0	0	23	73.4	3.81	12.99	2.86	9.74	4.33	14.76	2.68	9.15	4.46	15.21	2.41	8.21
					24	75.2	3.85	13.12	3.08	10.50	4.37	14.91	2.75	9.40	4.50	15.36	2.66	9.06
					27	80.6	3.89	13.26	3.15	10.74	4.41	15.06	2.91	9.94	4.55	15.52	2.82	9.62
					31	87.8	3.92	13.39	3.30	11.25	4.46	15.21	3.08	10.50	4.59	15.67	2.99	10.19
	815	480	15	0.06	23	73.4	3.21	10.97	2.41	8.22	3.65	12.46	2.26	7.73	3.76	12.83	2.03	6.93
					24	75.2	3.62	12.34	2.89	9.87	4.11	14.02	2.83	9.67	4.23	14.44	2.50	8.52
					27	80.6	3.65	12.46	3.03	10.34	4.15	14.16	2.99	10.20	4.27	14.58	2.78	9.48
					31	87.8	3.69	12.59	3.10	10.57	4.19	14.30	3.02	10.30	4.32	14.73	2.85	9.72
	715	421	25	0.1	23	73.4	3.27	11.17	2.46	8.38	3.72	12.70	2.34	8.00	3.83	13.08	2.07	7.06
					24	75.2	3.31	11.29	2.65	9.03	3.76	12.83	2.48	8.46	3.87	13.21	2.28	7.79
					27	80.6	3.34	11.40	2.71	9.23	3.80	12.95	2.62	8.94	3.91	13.34	2.42	8.27
					31	87.8	3.37	11.51	2.83	9.67	3.83	13.08	2.72	9.29	3.95	13.48	2.57	8.76
Low	824	485	0	0	23	73.4	3.59	12.26	2.70	9.20	4.08	13.93	2.53	8.64	4.21	14.35	2.27	7.75
					24	75.2	3.63	12.39	2.90	9.91	4.13	14.08	2.60	8.87	4.25	14.50	2.51	8.55
					27	80.6	3.67	12.51	2.97	10.13	4.17	14.22	2.75	9.38	4.29	14.64	2.66	9.08
					31	87.8	3.70	12.64	3.11	10.62	4.21	14.36	2.90	9.91	4.34	14.79	2.82	9.61
	683	402	15	0.06	23	73.4	2.87	9.80	2.15	7.35	3.26	11.14	2.02	6.90	3.36	11.47	1.82	6.19
					24	75.2	3.23	11.02	2.58	8.82	3.67	12.53	2.53	8.64	3.78	12.90	2.23	7.61
					27	80.6	3.26	11.14	2.71	9.24	3.71	12.65	2.67	9.11	3.82	13.03	2.48	8.47
					31	87.8	3.30	11.25	2.77	9.45	3.75	12.78	2.70	9.20	3.86	13.16	2.55	8.69
	586	345	25	0.1	23	73.4	3.05	10.42	2.29	7.82	3.47	11.84	2.19	7.46	3.58	12.20	1.93	6.59
					24	75.2	3.09	10.53	2.47	8.42	3.51	11.96	2.31	7.90	3.61	12.32	2.13	7.27
					27	80.6	3.12	10.64	2.52	8.61	3.54	12.09	2.44	8.34	3.65	12.45	2.26	7.72
					31	87.8	3.15	10.74	2.64	9.02	3.58	12.21	2.54	8.67	3.68	12.57	2.40	8.17

Model: GFH24K3BI/GUHN24NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	1712	1008	0	0	23	73.4	6.90	23.53	5.17	17.65	7.84	26.74	4.86	16.58	8.07	27.54	4.36	14.87
					24	75.2	6.97	23.77	5.57	19.02	7.92	27.01	4.99	17.02	8.15	27.82	4.81	16.42
					27	80.6	7.04	24.01	5.70	19.45	8.00	27.29	5.28	18.01	8.24	28.10	5.11	17.42
					31	87.8	7.11	24.25	5.97	20.37	8.08	27.56	5.57	19.02	8.32	28.39	5.41	18.45
	1462	860.5	25	0.10	23	73.4	6.48	22.12	4.86	16.59	7.37	25.14	4.57	15.58	7.59	25.89	4.10	13.98
					24	75.2	6.55	22.35	5.24	17.88	7.44	25.39	5.13	17.52	7.67	26.15	4.52	15.43
					27	80.6	6.62	22.57	5.36	18.28	7.52	25.65	5.41	18.47	7.74	26.42	5.03	17.17
					31	87.8	6.68	22.80	5.61	19.15	7.59	25.91	5.47	18.65	7.82	26.68	5.16	17.61
	1212	713.4	50	0.2	23	73.4	5.93	20.24	4.45	15.18	6.74	23.00	4.25	14.49	6.94	23.69	3.75	12.79
					24	75.2	5.99	20.44	4.79	16.35	6.81	23.23	4.49	15.33	7.01	23.93	4.14	14.12
					27	80.6	6.05	20.65	4.90	16.73	6.88	23.47	4.75	16.19	7.08	24.17	4.39	14.99
					31	87.8	6.11	20.86	5.13	17.52	6.95	23.70	4.93	16.83	7.15	24.41	4.65	15.87
Medium	1608	946.4	0	0	23	73.4	6.76	23.06	5.07	17.30	7.68	26.21	4.76	16.25	7.91	26.99	4.27	14.58
					24	75.2	6.83	23.30	5.46	18.64	7.76	26.47	4.89	16.68	7.99	27.27	4.71	16.09
					27	80.6	6.90	23.53	5.59	19.06	7.84	26.74	5.17	17.65	8.07	27.54	5.00	17.08
					31	87.8	6.97	23.77	5.85	19.96	7.92	27.01	5.46	18.64	8.15	27.82	5.30	18.08
	1350	794.6	25	0.10	23	73.4	6.08	20.75	4.56	15.57	6.91	23.58	4.29	14.62	7.12	24.29	3.84	13.12
					24	75.2	6.14	20.97	4.92	16.77	6.98	23.83	4.82	16.44	7.19	24.54	4.24	14.48
					27	80.6	6.21	21.18	5.15	17.58	7.05	24.07	5.08	17.33	7.26	24.79	4.72	16.11
					31	87.8	6.27	21.39	5.27	17.97	7.12	24.31	5.13	17.50	7.34	25.04	4.84	16.52
	1100	647.4	50	0.2	23	73.4	5.81	19.83	4.36	14.87	6.61	22.54	4.16	14.20	6.80	23.21	3.67	12.53
					24	75.2	5.87	20.03	4.70	16.03	6.67	22.77	4.40	15.03	6.87	23.45	4.05	13.84
					27	80.6	5.93	20.24	4.80	16.39	6.74	23.00	4.65	15.87	6.94	23.69	4.30	14.69
					31	87.8	5.99	20.44	5.03	17.17	6.81	23.23	4.83	16.49	7.01	23.92	4.56	15.55
Low	1455	856.4	0	0	23	73.4	6.41	21.88	4.81	16.41	7.29	24.87	4.52	15.42	7.51	25.61	4.05	13.83
					24	75.2	6.48	22.11	5.18	17.69	7.36	25.12	4.64	15.83	7.58	25.88	4.47	15.27
					27	80.6	6.54	22.33	5.30	18.09	7.44	25.38	4.91	16.75	7.66	26.14	4.75	16.20
					31	87.8	6.61	22.55	5.55	18.95	7.51	25.63	5.18	17.68	7.74	26.40	5.03	17.16
	1190	700.4	25	0.10	23	73.4	6.03	20.57	4.52	15.43	6.85	23.38	4.25	14.49	7.06	24.08	3.81	13.00
					24	75.2	6.09	20.78	4.87	16.62	6.92	23.61	4.78	16.29	7.13	24.32	4.21	14.35
					27	80.6	6.15	20.99	5.11	17.42	6.99	23.85	5.03	17.17	7.20	24.57	4.68	15.97
					31	87.8	6.21	21.20	5.22	17.81	7.06	24.09	5.08	17.35	7.27	24.81	4.80	16.38
	925	544.4	50	0.2	23	73.4	5.52	18.82	4.14	14.12	6.27	21.39	3.95	13.47	6.46	22.03	3.49	11.90
					24	75.2	5.57	19.01	4.46	15.21	6.33	21.60	4.18	14.26	6.52	22.25	3.85	13.13
					27	80.6	5.63	19.20	4.56	15.56	6.40	21.82	4.41	15.06	6.59	22.48	4.08	13.94
					31	87.8	5.68	19.40	4.78	16.29	6.46	22.04	4.59	15.65	6.65	22.70	4.32	14.76

Model: GFH24K3BI/GUHN24NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	1712	1008	0	0	23	73.4	6.27	21.39	4.70	16.04	7.12	24.31	4.42	15.07	7.34	25.04	3.96	13.52
					24	75.2	6.33	21.61	5.07	17.29	7.20	24.56	4.53	15.47	7.41	25.29	4.37	14.92
					27	80.6	6.40	21.83	5.18	17.68	7.27	24.81	4.80	16.37	7.49	25.55	4.64	15.84
					31	87.8	6.46	22.05	5.43	18.52	7.34	25.05	5.07	17.29	7.56	25.80	4.92	16.77
	1462	860.5	25	0.10	23	73.4	5.89	20.11	4.42	15.08	6.70	22.85	4.15	14.17	6.90	23.54	3.72	12.71
					24	75.2	5.95	20.31	4.76	16.25	6.77	23.08	4.67	15.93	6.97	23.78	4.11	14.03
					27	80.6	6.01	20.52	4.87	16.62	6.83	23.32	4.92	16.79	7.04	24.02	4.58	15.61
					31	87.8	6.07	20.72	5.10	17.41	6.90	23.55	4.97	16.96	7.11	24.26	4.69	16.01
	1212	713.4	50	0.2	23	73.4	5.39	18.40	4.04	13.80	6.13	20.91	3.86	13.17	6.31	21.53	3.41	11.63
					24	75.2	5.45	18.58	4.36	14.87	6.19	21.12	4.09	13.94	6.38	21.75	3.76	12.83
					27	80.6	5.50	18.77	4.46	15.21	6.25	21.33	4.31	14.72	6.44	21.97	3.99	13.62
					31	87.8	5.56	18.96	4.67	15.93	6.31	21.55	4.48	15.30	6.50	22.19	4.23	14.42
Medium	1608	946.4	0	0	23	73.4	6.14	20.96	4.61	15.72	6.98	23.82	4.33	14.77	7.19	24.54	3.88	13.25
					24	75.2	6.21	21.18	4.97	16.94	7.05	24.07	4.44	15.16	7.26	24.79	4.29	14.62
					27	80.6	6.27	21.39	5.08	17.33	7.12	24.31	4.70	16.04	7.34	25.04	4.55	15.52
					31	87.8	6.33	21.61	5.32	18.15	7.20	24.55	4.97	16.94	7.41	25.29	4.82	16.44
	1350	794.6	25	0.10	23	73.4	5.78	19.71	4.33	14.78	6.56	22.39	4.07	13.88	6.76	23.07	3.65	12.46
					24	75.2	5.83	19.91	4.67	15.93	6.63	22.62	4.57	15.61	6.83	23.30	4.03	13.75
					27	80.6	5.89	20.11	4.77	16.29	6.70	22.85	4.82	16.45	6.90	23.54	4.48	15.30
					31	87.8	5.95	20.31	5.00	17.06	6.76	23.08	4.87	16.62	6.97	23.77	4.60	15.69
	1100	647.4	50	0.2	23	73.4	5.28	18.03	3.96	13.52	6.00	20.49	3.78	12.91	6.18	21.10	3.34	11.40
					24	75.2	5.34	18.21	4.27	14.57	6.07	20.70	4.00	13.66	6.25	21.32	3.69	12.58
					27	80.6	5.39	18.40	4.37	14.90	6.13	20.91	4.23	14.43	6.31	21.53	3.91	13.35
					31	87.8	5.45	18.58	4.57	15.61	6.19	21.11	4.39	14.99	6.37	21.75	4.14	14.14
Low	1455	856.4	0	0	23	73.4	5.86	20.00	4.40	15.00	6.66	22.73	4.13	14.09	6.86	23.41	3.71	12.64
					24	75.2	5.92	20.21	4.74	16.16	6.73	22.96	4.24	14.47	6.93	23.65	4.09	13.95
					27	80.6	5.98	20.41	4.85	16.53	6.80	23.19	4.49	15.31	7.00	23.89	4.34	14.81
					31	87.8	6.04	20.61	5.07	17.32	6.87	23.42	4.74	16.16	7.07	24.13	4.60	15.68
	1190	700.4	25	0.10	23	73.4	5.51	18.80	4.13	14.10	6.26	21.37	3.88	13.25	6.45	22.01	3.48	11.88
					24	75.2	5.57	18.99	4.45	15.19	6.33	21.58	4.36	14.89	6.52	22.23	3.84	13.12
					27	80.6	5.62	19.19	4.55	15.54	6.39	21.80	4.60	15.70	6.58	22.46	4.28	14.60
					31	87.8	5.68	19.38	4.77	16.28	6.45	22.02	4.65	15.85	6.65	22.68	4.39	14.97
	925	544.4	50	0.2	23	73.4	5.04	17.20	3.78	12.90	5.73	19.55	3.61	12.31	5.90	20.13	3.19	10.87
					24	75.2	5.09	17.38	4.07	13.90	5.79	19.75	3.82	13.03	5.96	20.34	3.52	12.00
					27	80.6	5.14	17.55	4.17	14.22	5.85	19.95	4.03	13.76	6.02	20.54	3.73	12.74
					31	87.8	5.20	17.73	4.36	14.89	5.90	20.15	4.19	14.30	6.08	20.75	3.95	13.49

Model: GFH24K3BI/GUHN24NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity												
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	1712	1008	0	0	23	73.4	5.64	19.25	4.23	14.44	6.41	21.88	3.98	13.56	6.60	22.53	3.57	12.17
					24	75.2	5.70	19.45	4.56	15.56	6.48	22.10	4.08	13.92	6.67	22.76	3.94	13.43
					27	80.6	5.76	19.65	4.66	15.91	6.54	22.32	4.32	14.73	6.74	22.99	4.18	14.26
					31	87.8	5.82	19.84	4.88	16.67	6.61	22.55	4.56	15.56	6.81	23.22	4.42	15.10
	1462	860.5	25	0.10	23	73.4	4.76	16.25	3.57	12.19	5.41	18.47	3.36	11.45	5.57	19.02	3.01	10.27
					24	75.2	5.36	18.28	4.29	14.63	6.09	20.78	4.20	14.34	6.27	21.40	3.70	12.63
					27	80.6	5.41	18.47	4.38	14.96	6.15	20.99	4.43	15.11	6.33	21.61	4.12	14.05
					31	87.8	5.47	18.65	4.59	15.67	6.21	21.20	4.47	15.26	6.40	21.83	4.22	14.41
	1212	713.4	50	0.2	23	73.4	4.85	16.56	3.64	12.42	5.51	18.82	3.47	11.85	5.68	19.38	3.07	10.47
					24	75.2	4.90	16.73	3.92	13.38	5.57	19.01	3.68	12.54	5.74	19.58	3.39	11.55
					27	80.6	4.95	16.90	4.01	13.69	5.63	19.20	3.88	13.25	5.80	19.78	3.59	12.26
					31	87.8	5.00	17.06	4.20	14.33	5.68	19.39	4.04	13.77	5.85	19.97	3.80	12.98
Medium	1608	946.4	0	0	23	73.4	5.53	18.87	4.15	14.15	6.28	21.44	3.90	13.29	6.47	22.08	3.50	11.93
					24	75.2	5.59	19.06	4.47	15.25	6.35	21.66	4.00	13.65	6.54	22.31	3.86	13.16
					27	80.6	5.64	19.25	4.57	15.59	6.41	21.88	4.23	14.44	6.60	22.53	4.09	13.97
					31	87.8	5.70	19.45	4.79	16.33	6.48	22.10	4.47	15.25	6.67	22.76	4.34	14.79
	1350	794.6	25	0.10	23	73.4	4.67	15.93	3.50	11.94	5.30	18.10	3.29	11.22	5.46	18.64	2.95	10.07
					24	75.2	5.25	17.92	4.20	14.33	5.97	20.36	4.12	14.05	6.15	20.97	3.63	12.37
					27	80.6	5.30	18.10	4.30	14.66	6.03	20.57	4.34	14.81	6.21	21.18	4.04	13.77
					31	87.8	5.36	18.28	4.50	15.35	6.09	20.77	4.38	14.96	6.27	21.39	4.14	14.12
	1100	647.4	50	0.2	23	73.4	4.76	16.23	3.57	12.17	5.40	18.44	3.40	11.62	5.57	18.99	3.01	10.26
					24	75.2	4.80	16.39	3.84	13.11	5.46	18.63	3.60	12.29	5.62	19.19	3.32	11.32
					27	80.6	4.85	16.56	3.93	13.41	5.51	18.82	3.80	12.98	5.68	19.38	3.52	12.02
					31	87.8	4.90	16.72	4.12	14.05	5.57	19.00	3.95	13.49	5.74	19.57	3.73	12.72
Low	1455	856.4	0	0	23	73.4	5.28	18.00	3.96	13.50	6.00	20.46	3.72	12.68	6.18	21.07	3.33	11.38
					24	75.2	5.33	18.19	4.26	14.55	6.06	20.66	3.82	13.02	6.24	21.28	3.68	12.56
					27	80.6	5.38	18.37	4.36	14.88	6.12	20.87	4.04	13.78	6.30	21.50	3.91	13.33
					31	87.8	5.44	18.55	4.57	15.58	6.18	21.08	4.26	14.55	6.36	21.71	4.14	14.11
	1190	700.4	25	0.10	23	73.4	4.45	15.19	3.34	11.40	5.06	17.27	3.14	10.71	5.21	17.78	2.81	9.60
					24	75.2	5.01	17.09	4.01	13.68	5.69	19.42	3.93	13.40	5.86	20.01	3.46	11.80
					27	80.6	5.06	17.27	4.10	13.99	5.75	19.62	4.14	14.13	5.92	20.21	3.85	13.14
					31	87.8	5.11	17.44	4.29	14.65	5.81	19.82	4.18	14.27	5.98	20.41	3.95	13.47
	925	544.4	50	0.2	23	73.4	4.54	15.48	3.40	11.61	5.16	17.59	3.25	11.08	5.31	18.12	2.87	9.78
					24	75.2	4.58	15.64	3.67	12.51	5.21	17.77	3.44	11.73	5.36	18.30	3.17	10.80
					27	80.6	4.63	15.80	3.75	12.80	5.26	17.95	3.63	12.39	5.42	18.49	3.36	11.46
					31	87.8	4.68	15.96	3.93	13.40	5.31	18.13	3.77	12.87	5.47	18.67	3.56	12.14

Model: GFH36K3BI/GUHN36NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2330	1371	0	0	23	73.4	9.58	32.69	7.19	24.52	10.89	37.15	6.75	23.03	11.21	38.26	6.06	20.66
					24	75.2	9.68	33.02	7.74	26.42	11.00	37.53	6.93	23.64	11.33	38.65	6.68	22.81
					27	80.6	9.78	33.36	7.92	27.02	11.11	37.91	7.33	25.02	11.44	39.04	7.09	24.21
					31	87.8	9.87	33.69	8.29	28.30	11.22	38.29	7.74	26.42	11.56	39.43	7.51	25.63
	2165	1274	25	0.10	23	73.4	9.20	31.38	6.90	23.54	10.45	35.66	6.48	22.11	10.77	36.73	5.81	19.84
					24	75.2	9.29	31.70	7.43	25.36	10.56	36.03	7.29	24.86	10.88	37.11	6.42	21.89
					27	80.6	9.39	32.02	7.60	25.94	10.67	36.39	7.68	26.20	10.99	37.48	7.14	24.36
					31	87.8	9.48	32.34	7.96	27.17	10.77	36.75	7.76	26.46	11.10	37.86	7.32	24.99
	2000	1177	50	0.2	23	73.4	8.72	29.75	6.54	22.31	9.91	33.81	6.24	21.30	10.21	34.82	5.51	18.80
					24	75.2	8.81	30.05	7.05	24.04	10.01	34.15	6.61	22.54	10.31	35.18	6.08	20.75
					27	80.6	8.90	30.36	7.21	24.59	10.11	34.50	6.98	23.80	10.41	35.53	6.46	22.03
					31	87.8	8.99	30.66	7.55	25.75	10.21	34.84	7.25	24.74	10.52	35.89	6.84	23.33
Medium	2177	1281	0	0	23	73.4	9.39	32.04	7.04	24.03	10.67	36.41	6.62	22.57	10.99	37.50	5.93	20.25
					24	75.2	9.49	32.36	7.59	25.89	10.78	36.78	6.79	23.17	11.10	37.88	6.55	22.35
					27	80.6	9.58	32.69	7.76	26.48	10.89	37.15	7.19	24.52	11.21	38.26	6.95	23.72
					31	87.8	9.68	33.02	8.13	27.74	11.00	37.52	7.59	25.89	11.33	38.65	7.36	25.12
	2022	1190	15	0.10	23	73.4	8.83	30.12	6.62	22.59	10.03	34.22	6.22	21.22	10.33	35.25	5.58	19.03
					24	75.2	8.92	30.42	7.13	24.34	10.13	34.57	6.99	23.85	10.44	35.61	6.16	21.01
					27	80.6	9.01	30.73	7.48	25.51	10.23	34.92	7.37	25.14	10.54	35.97	6.85	23.38
					31	87.8	9.10	31.04	7.64	26.07	10.34	35.27	7.44	25.39	10.65	36.33	7.03	23.98
	1867	1099	25	0.2	23	73.4	8.54	29.15	6.41	21.87	9.71	33.13	6.12	20.87	10.00	34.12	5.40	18.43
					24	75.2	8.63	29.45	6.91	23.56	9.81	33.47	6.47	22.09	10.10	34.47	5.96	20.34
					27	80.6	8.72	29.75	7.06	24.10	9.91	33.81	6.84	23.33	10.21	34.82	6.33	21.59
					31	87.8	8.81	30.05	7.40	25.24	10.01	34.14	7.10	24.24	10.31	35.17	6.70	22.86
Low	1900	1118	0	0	23	73.4	8.62	29.42	6.47	22.07	9.80	33.43	6.08	20.73	10.09	34.44	5.45	18.60
					24	75.2	8.71	29.72	6.97	23.78	9.90	33.78	6.24	21.28	10.20	34.79	6.02	20.53
					27	80.6	8.80	30.02	7.13	24.32	10.00	34.12	6.60	22.52	10.30	35.14	6.39	21.79
					31	87.8	8.89	30.32	7.47	25.47	10.10	34.46	6.97	23.78	10.40	35.49	6.76	23.07
	1775	1045	15	0.10	23	73.4	8.28	28.25	6.21	21.18	9.41	32.10	5.83	19.90	9.69	33.06	5.23	17.85
					24	75.2	8.36	28.53	6.69	22.83	9.50	32.42	6.56	22.37	9.79	33.40	5.78	19.70
					27	80.6	8.45	28.82	7.01	23.92	9.60	32.75	6.91	23.58	9.89	33.73	6.43	21.93
					31	87.8	8.53	29.11	7.17	24.45	9.70	33.08	6.98	23.82	9.99	34.07	6.59	22.49
	1650	971.2	25	0.2	23	73.4	7.85	26.77	5.89	20.08	8.92	30.43	5.62	19.17	9.18	31.34	4.96	16.92
					24	75.2	7.93	27.05	6.34	21.64	9.01	30.74	5.95	20.29	9.28	31.66	5.47	18.68
					27	80.6	8.01	27.32	6.49	22.13	9.10	31.05	6.28	21.42	9.37	31.98	5.81	19.83
					31	87.8	8.09	27.59	6.79	23.18	9.19	31.36	6.52	22.26	9.47	32.30	6.15	20.99

Model: GFH36K3BI/GUHN36NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity							
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2330	1371	0	0	23	73.4	8.71	29.72	6.53	22.29	9.90	33.77	6.14	20.94	10.19	34.79	5.51	18.78
					24	75.2	8.80	30.02	7.04	24.02	10.00	34.12	6.30	21.49	10.30	35.14	6.08	20.73
					27	80.6	8.89	30.33	7.20	24.56	10.10	34.46	6.67	22.74	10.40	35.50	6.45	22.0
					31	87.8	8.98	30.63	7.54	25.73	10.20	34.81	7.04	24.02	10.51	35.85	6.83	23.30
	2165	1274	25	0.10	23	73.4	8.36	28.53	6.27	21.40	9.50	32.42	5.89	20.10	9.79	33.39	5.29	18.03
					24	75.2	8.45	28.82	6.76	23.06	9.60	32.75	6.62	22.60	9.89	33.73	5.83	19.90
					27	80.6	8.53	29.11	6.91	23.58	9.70	33.08	6.98	23.82	9.99	34.08	6.49	22.15
					31	87.8	8.62	29.40	7.24	24.70	9.79	33.41	7.05	24.06	10.09	34.42	6.66	22.71
	2000	1177	50	0.2	23	73.4	7.93	27.04	5.94	20.28	9.01	30.73	5.67	19.36	9.28	31.65	5.01	17.09
					24	75.2	8.01	27.32	6.41	21.86	9.10	31.05	6.01	20.49	9.37	31.98	5.53	18.87
					27	80.6	8.09	27.60	6.55	22.35	9.19	31.36	6.34	21.64	9.47	32.30	5.87	20.03
					31	87.8	8.17	27.87	6.86	23.41	9.28	31.67	6.59	22.49	9.56	32.62	6.21	21.21
Medium	2177	1281	0	0	23	73.4	8.54	29.12	6.40	21.84	9.70	33.10	6.01	20.52	9.99	34.09	5.40	18.41
					24	75.2	8.62	29.42	6.90	23.54	9.80	33.43	6.17	21.06	10.09	34.44	5.95	20.32
					27	80.6	8.71	29.72	7.06	24.07	9.90	33.77	6.53	22.29	10.19	34.79	6.32	21.57
					31	87.8	8.80	30.02	7.39	25.21	10.00	34.11	6.90	23.54	10.30	35.13	6.69	22.84
	2022	1190	15	0.10	23	73.4	8.02	27.38	6.02	20.53	9.12	31.11	5.65	19.29	9.39	32.04	5.07	17.30
					24	75.2	8.11	27.66	6.48	22.13	9.21	31.43	6.36	21.69	9.49	32.37	5.60	19.10
					27	80.6	8.19	27.94	6.63	22.63	9.30	31.75	6.70	22.86	9.58	32.70	6.23	21.25
					31	87.8	8.27	28.22	6.95	23.70	9.40	32.06	6.77	23.09	9.68	33.03	6.39	21.80
	1867	1099	25	0.2	23	73.4	7.77	26.50	5.83	19.88	8.83	30.12	5.56	18.97	9.09	31.02	4.91	16.75
					24	75.2	7.85	26.77	6.28	21.42	8.92	30.43	5.89	20.08	9.18	31.34	5.42	18.49
					27	80.6	7.93	27.04	6.42	21.91	9.01	30.73	6.21	21.21	9.28	31.65	5.75	19.63
					31	87.8	8.01	27.32	6.72	22.94	9.10	31.04	6.46	22.04	9.37	31.97	6.09	20.78
Low	1900	1118	0	0	23	73.4	7.84	26.75	5.88	20.06	8.91	30.39	5.52	18.84	9.18	31.31	4.95	16.91
					24	75.2	7.92	27.02	6.34	21.62	9.00	30.70	5.67	19.34	9.27	31.63	5.47	18.66
					27	80.6	8.00	27.29	6.48	22.11	9.09	31.02	6.00	20.47	9.36	31.95	5.80	19.81
					31	87.8	8.08	27.57	6.79	23.16	9.18	31.33	6.33	21.61	9.46	32.26	6.15	20.97
	1775	1045	15	0.10	23	73.4	7.53	25.68	5.64	19.26	8.55	29.18	5.30	18.09	8.81	30.05	4.76	16.23
					24	75.2	7.60	25.94	6.08	20.75	8.64	29.48	5.96	20.34	8.90	30.36	5.25	17.91
					27	80.6	7.68	26.20	6.22	21.22	8.73	29.77	6.28	21.44	8.99	30.67	5.84	19.93
					31	87.8	7.76	26.46	6.52	22.23	8.81	30.07	6.35	21.65	9.08	30.97	5.99	20.44
	1650	971.2	25	0.2	23	73.4	7.13	24.34	5.35	18.26	8.11	27.66	5.11	17.43	8.35	28.49	4.51	15.38
					24	75.2	7.21	24.59	5.77	19.67	8.19	27.94	5.40	18.44	8.43	28.78	4.98	16.98
					27	80.6	7.28	24.84	5.90	20.12	8.27	28.22	5.71	19.47	8.52	29.07	5.28	18.02
					31	87.8	7.35	25.09	6.18	21.07	8.35	28.51	5.93	20.24	8.61	29.36	5.59	19.08

Model: GFH36K3BI/GUHN36NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43℃)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2330	1371	0	0	23	73.4	7.84	26.75	5.88	20.06	8.91	30.39	5.52	18.84	9.18	31.31	4.95	16.91
					24	75.2	7.92	27.02	6.34	21.62	9.00	30.70	5.67	19.34	9.27	31.63	5.47	18.66
					27	80.6	8.00	27.29	6.48	22.11	9.09	31.02	6.00	20.47	9.36	31.95	5.80	19.81
					31	87.8	8.08	27.57	6.79	23.16	9.18	31.33	6.33	21.61	9.46	32.26	6.15	20.97
	2165	1274	25	0.10	23	73.4	6.76	23.06	5.07	17.29	7.68	26.20	4.76	16.24	7.91	26.99	4.27	14.57
					24	75.2	7.60	25.94	6.08	20.75	8.64	29.48	5.96	20.34	8.90	30.36	5.25	17.91
					27	80.6	7.68	26.20	6.22	21.22	8.73	29.77	6.28	21.44	8.99	30.67	5.84	19.93
					31	87.8	7.76	26.46	6.52	22.23	8.81	30.07	6.35	21.65	9.08	30.97	5.99	20.44
	2000	1177	50	0.2	23	73.4	7.13	24.34	5.35	18.26	8.11	27.66	5.11	17.43	8.35	28.49	4.51	15.38
					24	75.2	7.21	24.59	5.77	19.67	8.19	27.94	5.40	18.44	8.43	28.78	4.98	16.98
					27	80.6	7.28	24.84	5.90	20.12	8.27	28.22	5.71	19.47	8.52	29.07	5.28	18.02
					31	87.8	7.35	25.09	6.18	21.07	8.35	28.51	5.93	20.24	8.61	29.36	5.59	19.08
Medium	2177	1281	0	0	23	73.4	7.68	26.21	5.76	19.66	8.73	29.79	5.41	18.47	8.99	30.68	4.86	16.57
					24	75.2	7.76	26.48	6.21	21.18	8.82	30.09	5.56	18.96	9.08	30.99	5.36	18.29
					27	80.6	7.84	26.75	6.35	21.67	8.91	30.39	5.88	20.06	9.18	31.31	5.69	19.41
					31	87.8	7.92	27.01	6.65	22.69	9.00	30.70	6.21	21.18	9.27	31.62	6.02	20.55
	2022	1190	25	0.10	23	73.4	6.48	22.13	4.86	16.59	7.37	25.14	4.57	15.59	7.59	25.90	4.10	13.98
					24	75.2	7.30	24.89	5.84	19.91	8.29	28.29	5.72	19.52	8.54	29.13	5.04	17.19
					27	80.6	7.37	25.14	5.97	20.37	8.37	28.57	6.03	20.57	8.62	29.43	5.61	19.13
					31	87.8	7.44	25.39	6.25	21.33	8.46	28.86	6.09	20.78	8.71	29.72	5.75	19.62
	1867	1099	50	0.2	23	73.4	6.99	23.85	5.24	17.89	7.94	27.11	5.00	17.08	8.18	27.92	4.42	15.08
					24	75.2	7.06	24.10	5.65	19.28	8.03	27.38	5.30	18.07	8.27	28.20	4.88	16.64
					27	80.6	7.13	24.34	5.78	19.72	8.11	27.66	5.59	19.08	8.35	28.49	5.18	17.66
					31	87.8	7.21	24.58	6.05	20.65	8.19	27.94	5.81	19.83	8.43	28.77	5.48	18.70
Low	1900	1118	0	0	23	73.4	7.06	24.07	5.29	18.05	8.02	27.36	4.97	16.96	8.26	28.18	4.46	15.22
					24	75.2	7.13	24.32	5.70	19.45	8.10	27.63	5.10	17.41	8.34	28.46	4.92	16.79
					27	80.6	7.20	24.56	5.83	19.90	8.18	27.91	5.40	18.42	8.43	28.75	5.22	17.83
					31	87.8	7.27	24.81	6.11	20.84	8.26	28.19	5.70	19.45	8.51	29.04	5.53	18.88
	1775	1045	25	0.10	23	73.4	6.08	20.75	4.56	15.56	6.91	23.58	4.29	14.62	7.12	24.29	3.84	13.12
					24	75.2	6.84	23.35	5.47	18.68	7.78	26.53	5.36	18.31	8.01	27.32	4.73	16.12
					27	80.6	6.91	23.58	5.60	19.10	7.85	26.80	5.65	19.29	8.09	27.60	5.26	17.94
					31	87.8	6.98	23.82	5.86	20.01	7.93	27.06	5.71	19.49	8.17	27.88	5.39	18.40
	1650	971.2	50	0.2	23	73.4	6.42	21.91	4.82	16.43	7.30	24.89	4.60	15.68	7.51	25.64	4.06	13.85
					24	75.2	6.49	22.13	5.19	17.70	7.37	25.15	4.86	16.60	7.59	25.90	4.48	15.28
					27	80.6	6.55	22.35	5.31	18.11	7.44	25.40	5.14	17.53	7.67	26.16	4.75	16.22
					31	87.8	6.62	22.58	5.56	18.96	7.52	25.66	5.34	18.22	7.74	26.43	5.03	17.18

Model: GFH36K3BI/GUHN36NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity							
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2330	1371	0	0	23	73.4	9.78	33.37	7.34	25.03	11.11	37.92	6.89	23.51	11.45	39.06	6.18	21.09
					24	75.2	9.88	33.71	7.90	26.97	11.23	38.31	7.07	24.13	11.56	39.46	6.82	23.28
					27	80.6	9.98	34.05	8.08	27.58	11.34	38.70	7.49	25.54	11.68	39.86	7.24	24.7
					31	87.8	10.08	34.39	8.47	28.89	11.45	39.08	7.90	26.97	11.80	40.25	7.67	26.17
	2165	1274	25	0.10	23	73.4	9.39	32.04	7.04	24.03	10.67	36.40	6.62	22.57	10.99	37.50	5.93	20.25
					24	75.2	9.49	32.36	7.59	25.89	10.78	36.78	7.44	25.38	11.10	37.88	6.55	22.35
					27	80.6	9.58	32.69	7.76	26.48	10.89	37.15	7.84	26.75	11.21	38.26	7.29	24.87
					31	87.8	9.68	33.02	8.13	27.73	11.00	37.52	7.92	27.01	11.33	38.64	7.48	25.51
	2000	1177	50	0.2	23	73.4	8.90	30.37	6.68	22.78	10.11	34.51	6.37	21.74	10.42	35.54	5.63	19.19
					24	75.2	8.99	30.68	7.19	24.54	10.22	34.86	6.74	23.01	10.52	35.91	6.21	21.18
					27	80.6	9.08	30.99	7.36	25.10	10.32	35.21	7.12	24.30	10.63	36.27	6.59	22.49
					31	87.8	9.17	31.30	7.71	26.29	10.42	35.57	7.40	25.25	10.74	36.63	6.98	23.81
Medium	2177	1281	0	0	23	73.4	9.58	32.70	7.19	24.53	10.89	37.16	6.75	23.04	11.22	38.28	6.06	20.67
					24	75.2	9.68	33.04	7.75	26.43	11.00	37.54	6.93	23.65	11.33	38.67	6.69	22.81
					27	80.6	9.78	33.37	7.92	27.03	11.11	37.92	7.34	25.03	11.45	39.06	7.10	24.22
					31	87.8	9.88	33.70	8.30	28.31	11.23	38.30	7.75	26.43	11.56	39.45	7.52	25.64
	2022	1190	15	0.10	23	73.4	9.01	30.74	6.76	23.06	10.24	34.93	6.35	21.66	10.55	35.98	5.69	19.43
					24	75.2	9.10	31.06	7.28	24.84	10.34	35.29	7.14	24.35	10.65	36.35	6.29	21.45
					27	80.6	9.19	31.37	7.63	26.04	10.45	35.65	7.52	25.67	10.76	36.72	6.99	23.87
					31	87.8	9.29	31.68	7.80	26.61	10.55	36.00	7.60	25.92	10.87	37.08	7.17	24.47
1867	1099	25	0.2	23	73.4	8.72	29.76	6.54	22.32	9.91	33.82	6.24	21.31	10.21	34.83	5.51	18.81	
				24	75.2	8.81	30.06	7.05	24.05	10.01	34.16	6.61	22.55	10.31	35.19	6.08	20.76	
				27	80.6	8.90	30.37	7.21	24.60	10.11	34.51	6.98	23.81	10.42	35.54	6.46	22.04	
				31	87.8	8.99	30.67	7.55	25.76	10.22	34.85	7.25	24.75	10.52	35.90	6.84	23.33	
Low	1900	1118	0	0	23	73.4	8.80	30.03	6.60	22.53	10.00	34.13	6.20	21.16	10.30	35.15	5.56	18.98
					24	75.2	8.89	30.34	7.11	24.27	10.10	34.48	6.37	21.72	10.41	35.51	6.14	20.95
					27	80.6	8.98	30.65	7.28	24.82	10.21	34.83	6.74	22.99	10.51	35.87	6.52	22.24
					31	87.8	9.07	30.95	7.62	26.00	10.31	35.17	7.11	24.27	10.62	36.23	6.90	23.55
	1775	1045	15	0.10	23	73.4	8.45	28.83	6.34	21.62	9.60	32.76	5.95	20.31	9.89	33.75	5.34	18.22
					24	75.2	8.54	29.13	6.83	23.30	9.70	33.10	6.69	22.84	9.99	34.09	5.90	20.11
					27	80.6	8.62	29.42	7.16	24.42	9.80	33.43	7.06	24.07	10.09	34.44	6.56	22.38
					31	87.8	8.71	29.72	7.32	24.96	9.90	33.77	7.13	24.31	10.19	34.78	6.73	22.95
1650	971.2	25	0.2	23	73.4	8.01	27.33	6.01	20.50	9.10	31.06	5.73	19.57	9.38	31.99	5.06	17.27	
				24	75.2	8.09	27.61	6.47	22.09	9.20	31.37	6.07	20.71	9.47	32.32	5.59	19.07	
				27	80.6	8.17	27.89	6.62	22.59	9.29	31.69	6.41	21.87	9.57	32.64	5.93	20.24	
				31	87.8	8.26	28.17	6.93	23.66	9.38	32.01	6.66	22.73	9.66	32.97	6.28	21.43	

Model: GFH36K3BI/GUHN36NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
	62°F (17°C)				67°F (19°C)				72°F (22°C)									
													Total Capacity		Sensible Capacity		Total Capacity	
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2330	1371	0	0	23	73.4	8.00	27.30	6.00	20.48	9.09	31.03	5.64	19.24	9.37	31.96	5.06	17.26
					24	75.2	8.08	27.58	6.47	22.07	9.19	31.34	5.79	19.75	9.46	32.28	5.58	19.05
					27	80.6	8.17	27.86	6.61	22.57	9.28	31.66	6.12	20.90	9.56	32.61	5.93	20.22
					31	87.8	8.25	28.14	6.93	23.64	9.37	31.98	6.47	22.06	9.65	32.94	6.27	21.41
	2165	1274	25	0.10	23	73.4	6.90	23.54	5.17	17.65	7.84	26.75	4.86	16.58	8.07	27.55	4.36	14.88
					24	75.2	7.76	26.48	6.21	21.18	8.82	30.09	6.08	20.76	9.08	30.99	5.36	18.29
					27	80.6	7.84	26.75	6.35	21.66	8.91	30.39	6.41	21.88	9.18	31.31	5.96	20.35
					31	87.8	7.92	27.01	6.65	22.69	9.00	30.70	6.48	22.10	9.27	31.62	6.12	20.87
	2000	1177	50	0.2	23	73.4	7.28	24.85	5.46	18.63	8.28	28.23	5.21	17.79	8.52	29.08	4.60	15.70
					24	75.2	7.36	25.10	5.89	20.08	8.36	28.52	5.52	18.82	8.61	29.38	5.08	17.33
					27	80.6	7.43	25.35	6.02	20.54	8.44	28.81	5.83	19.88	8.70	29.67	5.39	18.40
					31	87.8	7.50	25.61	6.30	21.51	8.53	29.10	6.06	20.66	8.78	29.97	5.71	19.48
Medium	2177	1281	0	0	23	73.4	7.84	26.76	5.88	20.07	8.91	30.41	5.53	18.85	9.18	31.32	4.96	16.91
					24	75.2	7.92	27.03	6.34	21.62	9.00	30.72	5.67	19.35	9.27	31.64	5.47	18.67
					27	80.6	8.00	27.30	6.48	22.12	9.09	31.03	6.00	20.48	9.37	31.96	5.81	19.81
					31	87.8	8.08	27.58	6.79	23.16	9.18	31.34	6.34	21.62	9.46	32.28	6.15	20.98
	2022	1190	25	0.10	23	73.4	6.62	22.59	4.96	16.94	7.52	25.67	4.66	15.91	7.75	26.44	4.18	14.28
					24	75.2	7.45	25.41	5.96	20.33	8.46	28.87	5.84	19.92	8.72	29.74	5.14	17.55
					27	80.6	7.52	25.67	6.09	20.79	8.55	29.17	6.15	21.00	8.80	30.04	5.72	19.53
					31	87.8	7.60	25.92	6.38	21.77	8.63	29.46	6.22	21.21	8.89	30.34	5.87	20.02
	1867	1099	50	0.2	23	73.4	7.14	24.35	5.35	18.26	8.11	27.67	5.11	17.43	8.35	28.50	4.51	15.39
					24	75.2	7.21	24.60	5.77	19.68	8.19	27.95	5.41	18.45	8.44	28.79	4.98	16.99
					27	80.6	7.28	24.85	5.90	20.13	8.28	28.23	5.71	19.48	8.52	29.08	5.28	18.03
					31	87.8	7.35	25.09	6.18	21.08	8.36	28.52	5.93	20.25	8.61	29.37	5.60	19.09
Low	1900	1118	0	0	23	73.4	7.20	24.57	5.40	18.43	8.18	27.92	5.07	17.31	8.43	28.76	4.55	15.53
					24	75.2	7.28	24.82	5.82	19.86	8.27	28.21	5.21	17.77	8.52	29.06	5.02	17.14
					27	80.6	7.35	25.07	5.95	20.31	8.35	28.49	5.51	18.81	8.60	29.35	5.33	18.20
					31	87.8	7.42	25.33	6.23	21.27	8.43	28.78	5.82	19.86	8.69	29.64	5.65	19.27
	1775	1045	25	0.10	23	73.4	6.21	21.18	4.66	15.89	7.06	24.07	4.37	14.92	7.27	24.79	3.92	13.39
					24	75.2	6.98	23.83	5.59	19.06	7.94	27.08	5.48	18.69	8.17	27.89	4.82	16.46
					27	80.6	7.06	24.07	5.71	19.50	8.02	27.35	5.77	19.70	8.26	28.17	5.37	18.31
					31	87.8	7.13	24.31	5.99	20.42	8.10	27.63	5.83	19.89	8.34	28.46	5.50	18.78
	1650	971.2	50	0.2	23	73.4	6.55	22.36	4.92	16.77	7.45	25.41	4.69	16.01	7.67	26.17	4.14	14.13
					24	75.2	6.62	22.59	5.30	18.07	7.52	25.67	4.97	16.94	7.75	26.44	4.57	15.60
					27	80.6	6.69	22.82	5.42	18.48	7.60	25.93	5.24	17.89	7.83	26.71	4.85	16.56
					31	87.8	6.75	23.05	5.67	19.36	7.68	26.19	5.45	18.59	7.91	26.97	5.14	17.53

Model: GFH42K3BI/GUHN42NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	2330	1371	0	0	23	73.4	11.48	39.16	8.61	29.37	13.04	44.51	8.09	27.59	13.44	45.84	7.25	24.75
					24	75.2	11.60	39.56	9.28	31.65	13.18	44.96	8.30	28.32	13.57	46.31	8.01	27.32
					27	80.6	11.71	39.96	9.49	32.37	13.31	45.41	8.78	29.97	13.71	46.78	8.50	29.00
					31	87.8	11.83	40.36	9.94	33.91	13.44	45.87	9.28	31.65	13.85	47.24	9.00	30.71
	2165	1274	25	0.10	23	73.4	11.02	37.60	8.26	28.20	12.52	42.73	7.76	26.49	12.90	44.01	6.96	23.76
					24	75.2	11.13	37.98	8.91	30.39	12.65	43.16	8.73	29.78	13.03	44.46	7.69	26.23
					27	80.6	11.24	38.37	9.11	31.08	12.78	43.60	9.20	31.39	13.16	44.91	8.55	29.19
					31	87.8	11.36	38.75	9.54	32.55	12.91	44.03	9.29	31.70	13.29	45.35	8.77	29.93
	2000	1177	50	0.2	23	73.4	10.45	35.64	7.83	26.73	11.87	40.50	7.48	25.51	12.23	41.71	6.60	22.53
					24	75.2	10.55	36.00	8.44	28.80	11.99	40.91	7.91	27.00	12.35	42.14	7.29	24.86
					27	80.6	10.66	36.37	8.63	29.46	12.11	41.33	8.36	28.52	12.48	42.57	7.73	26.39
					31	87.8	10.77	36.73	9.04	30.85	12.23	41.74	8.69	29.64	12.60	42.99	8.19	27.94
Medium	2177	1281	0	0	23	73.4	11.25	38.38	8.44	28.79	12.78	43.62	7.93	27.04	13.17	44.92	7.11	24.26
					24	75.2	11.36	38.77	9.09	31.02	12.91	44.06	8.14	27.76	13.30	45.38	7.85	26.78
					27	80.6	11.48	39.16	9.30	31.72	13.04	44.51	8.61	29.37	13.44	45.84	8.33	28.42
					31	87.8	11.59	39.56	9.74	33.23	13.17	44.95	9.09	31.02	13.57	46.30	8.82	30.09
	2022	1190	15	0.10	23	73.4	10.57	36.08	7.93	27.06	12.02	41.00	7.45	25.42	12.38	42.23	6.68	22.80
					24	75.2	10.68	36.45	8.55	29.16	12.14	41.42	8.38	28.58	12.50	42.66	7.38	25.17
					27	80.6	10.79	36.81	8.96	30.56	12.26	41.84	8.83	30.12	12.63	43.09	8.21	28.01
					31	87.8	10.90	37.18	9.15	31.23	12.38	42.25	8.92	30.42	12.76	43.52	8.42	28.72
	1867	1099	25	0.2	23	73.4	10.24	34.93	7.68	26.20	11.63	39.69	7.33	25.00	11.98	40.88	6.47	22.08
					24	75.2	10.34	35.28	8.27	28.23	11.75	40.09	7.76	26.46	12.10	41.30	7.14	24.37
					27	80.6	10.45	35.64	8.46	28.87	11.87	40.50	8.19	27.94	12.23	41.71	7.58	25.86
					31	87.8	10.55	36.00	8.86	30.24	11.99	40.90	8.51	29.04	12.35	42.13	8.03	27.39
Low	1900	1118	0	0	23	73.4	10.33	35.25	7.75	26.44	11.74	40.05	7.28	24.83	12.09	41.26	6.53	22.28
					24	75.2	10.44	35.61	8.35	28.49	11.86	40.46	7.47	25.49	12.21	41.68	7.21	24.59
					27	80.6	10.54	35.97	8.54	29.13	11.98	40.87	7.91	26.98	12.34	42.10	7.65	26.10
					31	87.8	10.65	36.33	8.94	30.51	12.10	41.28	8.35	28.48	12.46	42.52	8.10	27.64
	1775	1045	15	0.10	23	73.4	9.92	33.84	7.44	25.38	11.27	38.45	6.99	23.84	11.61	39.61	6.27	21.39
					24	75.2	10.02	34.18	8.01	27.35	11.38	38.85	7.86	26.80	11.73	40.01	6.92	23.61
					27	80.6	10.12	34.53	8.40	28.66	11.50	39.24	8.28	28.25	11.84	40.41	7.70	26.27
					31	87.8	10.22	34.87	8.59	29.29	11.61	39.63	8.36	28.53	11.96	40.82	7.90	26.94
	1650	971.2	25	0.2	23	73.4	9.40	32.08	7.05	24.06	10.68	36.45	6.73	22.96	11.00	37.54	5.94	20.27
					24	75.2	9.50	32.40	7.60	25.92	10.79	36.82	7.12	24.30	11.12	37.93	6.56	22.38
					27	80.6	9.59	32.73	7.77	26.51	10.90	37.19	7.52	25.66	11.23	38.31	6.96	23.75
					31	87.8	9.69	33.06	8.14	27.77	11.01	37.57	7.82	26.67	11.34	38.69	7.37	25.15

Model: GFH42K3BI/GUHN42NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity												
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2330	1371	0	0	23	73.4	10.44	35.60	7.83	26.70	11.86	40.46	7.35	25.08	12.21	41.67	6.60	22.50
					24	75.2	10.54	35.97	8.43	28.77	11.98	40.87	7.55	25.75	12.34	42.10	7.28	24.84
					27	80.6	10.65	36.33	8.62	29.43	12.10	41.29	7.99	27.25	12.46	42.52	7.73	26.36
					31	87.8	10.75	36.69	9.03	30.82	12.22	41.70	8.43	28.77	12.59	42.95	8.18	27.92
	2165	1274	25	0.10	23	73.4	10.02	34.18	7.51	25.64	11.38	38.84	7.06	24.08	11.73	40.01	6.33	21.60
					24	75.2	10.12	34.53	8.10	27.62	11.50	39.24	7.93	27.07	11.84	40.41	6.99	23.84
					27	80.6	10.22	34.88	8.28	28.25	11.62	39.63	8.36	28.54	11.96	40.82	7.78	26.53
					31	87.8	10.32	35.23	8.67	29.59	11.73	40.03	8.45	28.82	12.08	41.23	7.98	27.21
	2000	1177	50	0.2	23	73.4	9.50	32.40	7.12	24.30	10.79	36.82	6.80	23.20	11.11	37.92	6.00	20.48
					24	75.2	9.59	32.73	7.67	26.18	10.90	37.19	7.19	24.55	11.23	38.31	6.62	22.60
					27	80.6	9.69	33.06	7.85	26.78	11.01	37.57	7.60	25.92	11.34	38.70	7.03	23.99
					31	87.8	9.79	33.39	8.22	28.05	11.12	37.95	7.90	26.94	11.45	39.08	7.45	25.40
Medium	2177	1281	0	0	23	73.4	10.23	34.89	7.67	26.17	11.62	39.65	7.20	24.58	11.97	40.84	6.46	22.05
					24	75.2	10.33	35.25	8.26	28.20	11.74	40.05	7.40	25.23	12.09	41.26	7.13	24.34
					27	80.6	10.44	35.60	8.45	28.84	11.86	40.46	7.83	26.70	12.21	41.67	7.57	25.84
					31	87.8	10.54	35.96	8.85	30.21	11.98	40.86	8.26	28.20	12.34	42.09	8.02	27.36
	2022	1190	15	0.10	23	73.4	9.61	32.80	7.21	24.60	10.92	37.27	6.77	23.11	11.25	38.39	6.08	20.73
					24	75.2	9.71	33.13	7.77	26.51	11.04	37.65	7.61	25.98	11.37	38.78	6.71	22.88
					27	80.6	9.81	33.47	7.95	27.11	11.15	38.03	8.03	27.38	11.48	39.17	7.46	25.46
					31	87.8	9.91	33.80	8.32	28.39	11.26	38.41	8.11	27.66	11.60	39.56	7.65	26.11
	1867	1099	25	0.2	23	73.4	9.31	31.75	6.98	23.81	10.57	36.08	6.66	22.73	10.89	37.16	5.88	20.07
					24	75.2	9.40	32.08	7.52	25.66	10.68	36.45	7.05	24.06	11.00	37.54	6.49	22.15
					27	80.6	9.50	32.40	7.69	26.24	10.79	36.82	7.45	25.40	11.11	37.92	6.89	23.51
					31	87.8	9.59	32.72	8.06	27.49	10.90	37.19	7.74	26.40	11.23	38.30	7.30	24.90
Low	1900	1118	0	0	23	73.4	9.39	32.04	7.04	24.03	10.67	36.41	6.62	22.58	10.99	37.51	5.94	20.25
					24	75.2	9.49	32.37	7.59	25.90	10.78	36.79	6.79	23.17	11.10	37.89	6.55	22.35
					27	80.6	9.58	32.70	7.76	26.49	10.89	37.16	7.19	24.52	11.22	38.27	6.95	23.73
					31	87.8	9.68	33.02	8.13	27.74	11.00	37.53	7.59	25.89	11.33	38.65	7.36	25.13
	1775	1045	15	0.10	23	73.4	9.02	30.76	6.76	23.07	10.25	34.96	6.35	21.67	10.55	36.01	5.70	19.44
					24	75.2	9.11	31.08	7.29	24.86	10.35	35.31	7.14	24.37	10.66	36.37	6.29	21.46
					27	80.6	9.20	31.39	7.45	25.43	10.45	35.67	7.53	25.68	10.77	36.74	7.00	23.88
					31	87.8	9.29	31.70	7.81	26.63	10.56	36.03	7.60	25.94	10.88	37.11	7.18	24.49
	1650	971.2	25	0.2	23	73.4	8.55	29.16	6.41	21.87	9.71	33.14	6.12	20.88	10.00	34.13	5.40	18.43
					24	75.2	8.63	29.46	6.91	23.57	9.81	33.47	6.48	22.09	10.11	34.48	5.96	20.34
					27	80.6	8.72	29.76	7.06	24.10	9.91	33.81	6.84	23.33	10.21	34.83	6.33	21.59
					31	87.8	8.81	30.05	7.40	25.24	10.01	34.15	7.11	24.25	10.31	35.18	6.70	22.86

Model: GFH42K3BI/GUHN42NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43℃)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2330	1371	0	0	23	73.4	9.39	32.04	7.04	24.03	10.67	36.41	6.62	22.58	10.99	37.51	5.94	20.25
					24	75.2	9.49	32.37	7.59	25.90	10.78	36.79	6.79	23.17	11.10	37.89	6.55	22.35
					27	80.6	9.58	32.70	7.76	26.49	10.89	37.16	7.19	24.52	11.22	38.27	6.95	23.73
					31	87.8	9.68	33.02	8.13	27.74	11.00	37.53	7.59	25.89	11.33	38.65	7.36	25.13
	2165	1274	25	0.10	23	73.4	8.10	27.62	6.07	20.72	9.20	31.39	5.70	19.46	9.48	32.33	5.12	17.46
					24	75.2	9.11	31.08	7.29	24.86	10.35	35.31	7.14	24.37	10.66	36.37	6.29	21.46
					27	80.6	9.20	31.39	7.45	25.43	10.45	35.67	7.53	25.68	10.77	36.74	7.00	23.88
					31	87.8	9.29	31.70	7.81	26.63	10.56	36.03	7.60	25.94	10.88	37.11	7.18	24.49
	2000	1177	50	0.2	23	73.4	8.55	29.16	6.41	21.87	9.71	33.14	6.12	20.88	10.00	34.13	5.40	18.43
					24	75.2	8.63	29.46	6.91	23.57	9.81	33.47	6.48	22.09	10.11	34.48	5.96	20.34
					27	80.6	8.72	29.76	7.06	24.10	9.91	33.81	6.84	23.33	10.21	34.83	6.33	21.59
					31	87.8	8.81	30.05	7.40	25.24	10.01	34.15	7.11	24.25	10.31	35.18	6.70	22.86
Medium	2177	1281	0	0	23	73.4	9.20	31.40	6.90	23.55	10.46	35.69	6.48	22.12	10.77	36.76	5.82	19.85
					24	75.2	9.30	31.72	7.44	25.38	10.57	36.05	6.66	22.71	10.88	37.13	6.42	21.91
					27	80.6	9.39	32.04	7.61	25.96	10.67	36.41	7.04	24.03	10.99	37.51	6.82	23.25
					31	87.8	9.49	32.36	7.97	27.19	10.78	36.78	7.44	25.38	11.10	37.88	7.22	24.62
	2022	1190	25	0.10	23	73.4	7.77	26.51	5.83	19.88	8.83	30.12	5.47	18.68	9.09	31.02	4.91	16.75
					24	75.2	8.74	29.82	6.99	23.86	9.93	33.89	6.85	23.38	10.23	34.90	6.04	20.59
					27	80.6	8.83	30.12	7.15	24.40	10.03	34.23	7.22	24.64	10.33	35.26	6.72	22.92
					31	87.8	8.92	30.42	7.49	25.55	10.13	34.57	7.30	24.89	10.44	35.61	6.89	23.50
	1867	1099	50	0.2	23	73.4	8.38	28.58	6.28	21.43	9.52	32.47	6.00	20.46	9.80	33.45	5.29	18.06
					24	75.2	8.46	28.87	6.77	23.09	9.61	32.80	6.35	21.65	9.90	33.79	5.84	19.94
					27	80.6	8.55	29.16	6.92	23.62	9.71	33.14	6.70	22.86	10.00	34.13	6.20	21.16
					31	87.8	8.63	29.45	7.25	24.74	9.81	33.47	6.96	23.76	10.10	34.47	6.57	22.41
Low	1900	1118	0	0	23	73.4	8.45	28.84	6.34	21.63	9.60	32.77	5.96	20.32	9.89	33.76	5.34	18.23
					24	75.2	8.54	29.13	6.83	23.31	9.70	33.11	6.11	20.86	9.99	34.10	5.90	20.12
					27	80.6	8.62	29.43	6.99	23.84	9.80	33.44	6.47	22.07	10.10	34.44	6.26	21.36
					31	87.8	8.71	29.72	7.32	24.97	9.90	33.78	6.83	23.31	10.20	34.79	6.63	22.61
	1775	1045	25	0.10	23	73.4	7.29	24.86	5.46	18.65	8.28	28.25	5.13	17.52	8.53	29.10	4.61	15.71
					24	75.2	8.20	27.97	6.56	22.37	9.31	31.78	6.43	21.93	9.59	32.74	5.66	19.31
					27	80.6	8.28	28.25	6.71	22.88	9.41	32.10	6.77	23.11	9.69	33.07	6.30	21.49
					31	87.8	8.36	28.53	7.02	23.97	9.50	32.42	6.84	23.35	9.79	33.40	6.46	22.04
	1650	971.2	50	0.2	23	73.4	7.69	26.24	5.77	19.68	8.74	29.82	5.51	18.79	9.00	30.72	4.86	16.59
					24	75.2	7.77	26.51	6.22	21.21	8.83	30.13	5.83	19.88	9.09	31.03	5.37	18.31
					27	80.6	7.85	26.78	6.36	21.69	8.92	30.43	6.15	21.00	9.19	31.34	5.70	19.43
					31	87.8	7.93	27.05	6.66	22.72	9.01	30.74	6.40	21.82	9.28	31.66	6.03	20.58

Model: GFH48K3BI/GUHN48NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
	62°F (17°C)				67°F (19°C)				72°F (22°C)									
													Total Capacity		Sensible Capacity		Total Capacity	
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2330	1371	0	0	23	73.4	13.33	45.48	10.00	34.11	15.15	51.68	9.39	32.04	15.60	53.23	8.42	28.74
					24	75.2	13.46	45.94	10.77	36.75	15.30	52.21	9.64	32.89	15.76	53.77	9.30	31.73
					27	80.6	13.60	46.40	11.02	37.59	15.46	52.73	10.20	34.80	15.92	54.31	9.87	33.67
					31	87.8	13.74	46.87	11.54	39.37	15.61	53.26	10.77	36.75	16.08	54.86	10.45	35.66
	2165	1274	25	0.10	23	73.4	12.80	43.66	9.60	32.74	14.54	49.61	9.01	30.76	14.98	51.10	8.09	27.59
					24	75.2	12.93	44.10	10.34	35.28	14.69	50.12	10.14	34.58	15.13	51.62	8.93	30.46
					27	80.6	13.06	44.55	10.58	36.08	14.84	50.62	10.68	36.45	15.28	52.14	9.93	33.89
					31	87.8	13.19	44.99	11.08	37.79	14.99	51.13	10.79	36.81	15.43	52.66	10.19	34.76
	2000	1177	50	0.2	23	73.4	12.13	41.38	9.10	31.04	13.78	47.03	8.68	29.63	14.20	48.44	7.67	26.16
					24	75.2	12.25	41.81	9.80	33.44	13.92	47.51	9.19	31.35	14.34	48.93	8.46	28.87
					27	80.6	12.38	42.23	10.02	34.20	14.06	47.99	9.70	33.11	14.49	49.43	8.98	30.64
					31	87.8	12.50	42.65	10.50	35.83	14.20	48.47	10.09	34.41	14.63	49.92	9.51	32.45
Medium	2177	1281	0	0	23	73.4	13.06	44.57	9.80	33.43	14.84	50.64	9.20	31.40	15.29	52.16	8.26	28.17
					24	75.2	13.20	45.02	10.56	36.02	14.99	51.16	9.45	32.23	15.44	52.70	9.11	31.09
					27	80.6	13.33	45.48	10.80	36.84	15.15	51.68	10.00	34.11	15.60	53.23	9.67	33.00
					31	87.8	13.46	45.93	11.31	38.58	15.30	52.19	10.56	36.01	15.76	53.76	10.24	34.94
	2022	1190	15	0.10	23	73.4	12.28	41.89	9.21	31.42	13.95	47.61	8.65	29.52	14.37	49.03	7.76	26.48
					24	75.2	12.40	42.32	9.92	33.86	14.09	48.09	9.73	33.18	14.52	49.53	8.57	29.23
					27	80.6	12.53	42.75	10.40	35.48	14.24	48.58	10.25	34.98	14.66	50.03	9.53	32.52
					31	87.8	12.65	43.18	10.63	36.27	14.38	49.06	10.35	35.33	14.81	50.53	9.78	33.35
	1867	1099	25	0.2	23	73.4	11.89	40.56	8.91	30.42	13.51	46.09	8.51	29.03	13.91	47.47	7.51	25.63
					24	75.2	12.01	40.97	9.61	32.78	13.64	46.56	9.01	30.73	14.05	47.95	8.29	28.29
					27	80.6	12.13	41.38	9.82	33.52	13.78	47.03	9.51	32.45	14.20	48.44	8.80	30.03
					31	87.8	12.25	41.80	10.29	35.11	13.92	47.50	9.88	33.72	14.34	48.92	9.32	31.80
Low	1900	1118	0	0	23	73.4	12.00	40.93	9.00	30.70	13.63	46.51	8.45	28.84	14.04	47.91	7.58	25.87
					24	75.2	12.12	41.35	9.69	33.08	13.77	46.98	8.68	29.60	14.18	48.39	8.37	28.55
					27	80.6	12.24	41.76	9.91	33.83	13.91	47.46	9.18	31.32	14.33	48.88	8.88	30.31
					31	87.8	12.36	42.18	10.38	35.43	14.05	47.93	9.69	33.07	14.47	49.37	9.41	32.09
	1775	1045	15	0.10	23	73.4	11.52	39.29	8.64	29.47	13.09	44.65	8.11	27.68	13.48	45.99	7.28	24.83
					24	75.2	11.63	39.69	9.31	31.75	13.22	45.11	9.12	31.12	13.62	46.46	8.03	27.41
					27	80.6	11.75	40.09	9.75	33.28	13.35	45.56	9.61	32.80	13.75	46.93	8.94	30.50
					31	87.8	11.87	40.49	9.97	34.02	13.49	46.02	9.71	33.13	13.89	47.40	9.17	31.28
	1650	971.2	25	0.2	23	73.4	10.92	37.25	8.19	27.93	12.40	42.32	7.81	26.66	12.78	43.59	6.90	23.54
					24	75.2	11.03	37.63	8.82	30.10	12.53	42.76	8.27	28.22	12.91	44.04	7.62	25.98
					27	80.6	11.14	38.01	9.02	30.78	12.66	43.19	8.73	29.80	13.04	44.48	8.08	27.58
					31	87.8	11.25	38.39	9.45	32.24	12.78	43.62	9.08	30.97	13.17	44.93	8.56	29.20

Model: GFH48K3BI/GUHN48NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F(35℃)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	2330	1371	0	0	23	73.4	12.12	41.34	9.09	31.01	13.77	46.98	8.54	29.13	14.18	48.39	7.66	26.13
					24	75.2	12.24	41.76	9.79	33.41	13.91	47.46	8.76	29.90	14.33	48.88	8.45	28.84
					27	80.6	12.36	42.19	10.01	34.17	14.05	47.94	9.27	31.64	14.47	49.38	8.97	30.61
					31	87.8	12.49	42.61	10.49	35.79	14.19	48.42	9.79	33.41	14.62	49.87	9.50	32.42
	2165	1274	25	0.10	23	73.4	11.63	39.69	8.72	29.77	13.22	45.10	8.20	27.96	13.61	46.45	7.35	25.08
					24	75.2	11.75	40.09	9.40	32.07	13.35	45.56	9.21	31.44	13.75	46.93	8.11	27.69
					27	80.6	11.87	40.50	9.61	32.80	13.49	46.02	9.71	33.14	13.89	47.40	9.03	30.81
					31	87.8	11.99	40.90	10.07	34.36	13.62	46.48	9.81	33.47	14.03	47.88	9.26	31.60
	2000	1177	50	0.2	23	73.4	11.03	37.62	8.27	28.22	12.53	42.75	7.89	26.93	12.91	44.03	6.97	23.78
					24	75.2	11.14	38.01	8.91	30.40	12.66	43.19	8.35	28.50	13.04	44.48	7.69	26.25
					27	80.6	11.25	38.39	9.11	31.10	12.79	43.62	8.82	30.10	13.17	44.93	8.16	27.86
					31	87.8	11.36	38.77	9.55	32.57	12.91	44.06	9.17	31.28	13.30	45.38	8.65	29.50
Medium	2177	1281	0	0	23	73.4	11.87	40.52	8.91	30.39	13.49	46.04	8.37	28.54	13.90	47.42	7.51	25.61
					24	75.2	12.00	40.93	9.60	32.74	13.63	46.51	8.59	29.30	14.04	47.91	8.28	28.26
					27	80.6	12.12	41.34	9.81	33.49	13.77	46.98	9.09	31.01	14.18	48.39	8.79	30.00
					31	87.8	12.24	41.76	10.28	35.07	13.91	47.45	9.60	32.74	14.32	48.87	9.31	31.77
	2022	1190	15	0.10	23	73.4	11.16	38.08	8.37	28.56	12.68	43.28	7.86	26.83	13.06	44.58	7.05	24.07
					24	75.2	11.28	38.47	9.02	30.78	12.81	43.72	8.84	30.17	13.20	45.03	7.79	26.57
					27	80.6	11.39	38.86	9.23	31.48	12.94	44.16	9.32	31.80	13.33	45.49	8.67	29.57
					31	87.8	11.50	39.25	9.66	32.97	13.07	44.60	9.41	32.11	13.46	45.94	8.89	30.32
	1867	1099	25	0.2	23	73.4	10.81	36.87	8.10	27.65	12.28	41.90	7.74	26.39	12.65	43.15	6.83	23.30
					24	75.2	10.92	37.25	8.73	29.80	12.40	42.32	8.19	27.93	12.78	43.59	7.54	25.72
					27	80.6	11.03	37.62	8.93	30.47	12.53	42.75	8.65	29.50	12.91	44.03	8.00	27.30
					31	87.8	11.14	38.00	9.35	31.92	12.66	43.18	8.99	30.66	13.03	44.47	8.47	28.91
Low	1900	1118	0	0	23	73.4	10.91	37.21	8.18	27.91	12.39	42.28	7.68	26.21	12.76	43.55	6.89	23.52
					24	75.2	11.02	37.59	8.81	30.07	12.52	42.71	7.89	26.91	12.89	43.99	7.61	25.96
					27	80.6	11.13	37.97	9.01	30.75	12.65	43.14	8.35	28.48	13.02	44.44	8.08	27.55
					31	87.8	11.24	38.35	9.44	32.21	12.77	43.58	8.81	30.07	13.15	44.88	8.55	29.17
	1775	1045	15	0.10	23	73.4	10.47	35.72	7.85	26.79	11.90	40.59	7.38	25.17	12.25	41.81	6.62	22.58
					24	75.2	10.58	36.08	8.46	28.87	12.02	41.00	8.29	28.29	12.38	42.23	7.30	24.92
					27	80.6	10.68	36.45	8.65	29.52	12.14	41.42	8.74	29.82	12.50	42.66	8.13	27.73
					31	87.8	10.79	36.81	9.06	30.92	12.26	41.83	8.83	30.12	12.63	43.09	8.33	28.44
	1650	971.2	25	0.2	23	73.4	9.92	33.86	7.44	25.39	11.28	38.48	7.10	24.24	11.62	39.63	6.27	21.40
					24	75.2	10.02	34.20	8.02	27.36	11.39	38.87	7.52	25.65	11.73	40.04	6.92	23.62
					27	80.6	10.13	34.55	8.20	27.99	11.51	39.26	7.94	27.09	11.85	40.44	7.35	25.07
					31	87.8	10.23	34.90	8.59	29.31	11.62	39.65	8.25	28.15	11.97	40.84	7.78	26.55

Model: GFH48K3BI/GUHN48NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2330	1371	0	0	23	73.4	10.91	37.21	8.18	27.91	12.39	42.28	7.68	26.21	12.76	43.55	6.89	23.52
					24	75.2	11.02	37.59	8.81	30.07	12.52	42.71	7.89	26.91	12.89	43.99	7.61	25.96
					27	80.6	11.13	37.97	9.01	30.75	12.65	43.14	8.35	28.48	13.02	44.44	8.08	27.55
					31	87.8	11.24	38.35	9.44	32.21	12.77	43.58	8.81	30.07	13.15	44.88	8.55	29.17
	2165	1274	25	0.10	23	73.4	9.40	32.07	7.05	24.06	10.68	36.45	6.62	22.60	11.00	37.54	5.94	20.27
					24	75.2	10.58	36.08	8.46	28.87	12.02	41.00	8.29	28.29	12.38	42.23	7.30	24.92
					27	80.6	10.68	36.45	8.65	29.52	12.14	41.42	8.74	29.82	12.50	42.66	8.13	27.73
					31	87.8	10.79	36.81	9.06	30.92	12.26	41.83	8.83	30.12	12.63	43.09	8.33	28.44
	2000	1177	50	0.2	23	73.4	9.92	33.86	7.44	25.39	11.28	38.48	7.10	24.24	11.62	39.63	6.27	21.40
					24	75.2	10.02	34.20	8.02	27.36	11.39	38.87	7.52	25.65	11.73	40.04	6.92	23.62
					27	80.6	10.13	34.55	8.20	27.99	11.51	39.26	7.94	27.09	11.85	40.44	7.35	25.07
					31	87.8	10.23	34.90	8.59	29.31	11.62	39.65	8.25	28.15	11.97	40.84	7.78	26.55
Medium	2177	1281	0	0	23	73.4	10.69	36.46	8.02	27.35	12.14	41.44	7.53	25.69	12.51	42.68	6.75	23.05
					24	75.2	10.80	36.84	8.64	29.47	12.27	41.86	7.73	26.37	12.64	43.11	7.46	25.44
					27	80.6	10.91	37.21	8.83	30.14	12.39	42.28	8.18	27.91	12.76	43.55	7.91	27.00
					31	87.8	11.01	37.58	9.25	31.57	12.52	42.70	8.64	29.47	12.89	43.99	8.38	28.59
	2022	1190	25	0.10	23	73.4	9.02	30.78	6.77	23.08	10.25	34.98	6.36	21.68	10.56	36.02	5.70	19.45
					24	75.2	10.15	34.63	8.12	27.70	11.53	39.35	7.96	27.15	11.88	40.53	7.01	23.91
					27	80.6	10.25	34.98	8.30	28.33	11.65	39.74	8.39	28.62	12.00	40.94	7.80	26.61
					31	87.8	10.35	35.33	8.70	29.67	11.77	40.14	8.47	28.90	12.12	41.35	8.00	27.29
	1867	1099	50	0.2	23	73.4	9.73	33.18	7.29	24.89	11.05	37.71	6.96	23.76	11.38	38.84	6.15	20.97
					24	75.2	9.82	33.52	7.86	26.82	11.16	38.09	7.37	25.14	11.50	39.23	6.78	23.15
					27	80.6	9.92	33.86	8.04	27.43	11.28	38.48	7.78	26.55	11.62	39.63	7.20	24.57
					31	87.8	10.02	34.20	8.42	28.73	11.39	38.86	8.09	27.59	11.73	40.03	7.63	26.02
Low	1900	1118	0	0	23	73.4	9.81	33.49	7.36	25.12	11.15	38.05	6.91	23.59	11.49	39.20	6.20	21.17
					24	75.2	9.91	33.83	7.93	27.06	11.27	38.44	7.10	24.22	11.60	39.60	6.85	23.36
					27	80.6	10.01	34.17	8.11	27.68	11.38	38.83	7.51	25.63	11.72	40.00	7.27	24.80
					31	87.8	10.11	34.51	8.50	28.99	11.49	39.22	7.93	27.06	11.84	40.40	7.70	26.26
	1775	1045	25	0.10	23	73.4	8.46	28.87	6.35	21.65	9.61	32.80	5.96	20.34	9.90	33.79	5.35	18.25
					24	75.2	9.52	32.48	7.61	25.98	10.82	36.90	7.46	25.46	11.14	38.01	6.57	22.43
					27	80.6	9.61	32.80	7.79	26.57	10.93	37.28	7.87	26.84	11.25	38.40	7.31	24.96
					31	87.8	9.71	33.13	8.16	27.83	11.03	37.65	7.94	27.11	11.37	38.78	7.50	25.59
	1650	971.2	50	0.2	23	73.4	8.93	30.47	6.70	22.86	10.15	34.63	6.39	21.82	10.45	35.67	5.64	19.26
					24	75.2	9.02	30.78	7.22	24.63	10.25	34.98	6.77	23.09	10.56	36.03	6.23	21.26
					27	80.6	9.11	31.10	7.38	25.19	10.36	35.34	7.15	24.38	10.67	36.40	6.61	22.57
					31	87.8	9.20	31.41	7.73	26.38	10.46	35.69	7.43	25.34	10.77	36.76	7.00	23.89

Model: GFH60K3BI/GUHN60NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2961	1743	0	0	23	73.4	16.08	54.86	12.06	41.15	18.27	62.34	11.33	38.65	18.82	64.21	10.16	34.68
					24	75.2	16.24	55.42	12.99	44.34	18.46	62.98	11.63	39.68	19.01	64.87	11.22	38.27
					27	80.6	16.41	55.98	13.29	45.35	18.65	63.62	12.31	41.99	19.20	65.53	11.91	40.63
					31	87.8	16.57	56.54	13.92	47.50	18.83	64.25	12.99	44.33	19.40	66.18	12.61	43.02
	2750	1619	25	0.10	23	73.4	15.28	52.12	11.46	39.09	17.36	59.23	10.76	36.72	17.88	61.00	9.65	32.94
					24	75.2	15.43	52.65	12.35	42.12	17.54	59.83	12.10	41.28	18.06	61.63	10.66	36.36
					27	80.6	15.59	53.18	12.63	43.08	17.71	60.44	12.75	43.51	18.24	62.25	11.86	40.46
					31	87.8	15.74	53.72	13.22	45.12	17.89	61.04	12.88	43.95	18.43	62.87	12.16	41.50
	2546	1499	50	0.2	23	73.4	14.47	49.38	10.85	37.03	16.44	56.11	10.36	35.35	16.94	57.79	9.15	31.21
					24	75.2	14.62	49.88	11.70	39.90	16.61	56.68	10.96	37.41	17.11	58.38	10.10	34.45
					27	80.6	14.77	50.38	11.96	40.81	16.78	57.26	11.58	39.51	17.28	58.97	10.72	36.56
					31	87.8	14.91	50.89	12.53	42.75	16.95	57.83	12.03	41.06	17.46	59.56	11.35	38.72
Medium	2567	1511	0	0	23	73.4	14.63	49.93	10.97	37.44	16.63	56.73	10.31	35.17	17.13	58.44	9.25	31.56
					24	75.2	14.78	50.43	11.83	40.35	16.80	57.31	10.58	36.11	17.30	59.03	10.21	34.83
					27	80.6	14.93	50.94	12.09	41.26	16.97	57.89	11.20	38.21	17.48	59.63	10.84	36.97
					31	87.8	15.08	51.45	12.67	43.22	17.14	58.47	11.82	40.34	17.65	60.22	11.47	39.15
	2430	1430	15	0.10	23	73.4	14.27	48.68	10.70	36.51	16.21	55.32	10.05	34.30	16.70	56.97	9.02	30.77
					24	75.2	14.41	49.17	11.53	39.34	16.38	55.88	11.30	38.56	16.87	57.56	9.95	33.96
					27	80.6	14.56	49.67	12.08	41.23	16.54	56.44	11.91	40.64	17.04	58.14	11.08	37.79
					31	87.8	14.70	50.17	12.35	42.14	16.71	57.01	12.03	41.05	17.21	58.72	11.36	38.75
	2282	1343	25	0.2	23	73.4	13.70	46.73	10.27	35.05	15.56	53.10	9.81	33.46	16.03	54.70	8.66	29.54
					24	75.2	13.84	47.21	11.07	37.77	15.72	53.65	10.38	35.41	16.19	55.26	9.55	32.60
					27	80.6	13.98	47.69	11.32	38.63	15.88	54.19	10.96	37.39	16.36	55.81	10.14	34.60
					31	87.8	14.12	48.16	11.86	40.46	16.04	54.73	11.39	38.86	16.52	56.37	10.74	36.64
Low	2285	1345	0	0	23	73.4	13.83	47.18	10.37	35.39	15.71	53.62	9.74	33.24	16.19	55.22	8.74	29.82
					24	75.2	13.97	47.66	11.18	38.13	15.87	54.16	10.00	34.12	16.35	55.79	9.65	32.92
					27	80.6	14.11	48.15	11.43	39.00	16.03	54.71	10.58	36.11	16.52	56.35	10.24	34.94
					31	87.8	14.25	48.63	11.97	40.85	16.20	55.26	11.17	38.13	16.68	56.92	10.84	36.99
	2162	1273	15	0.10	23	73.4	13.55	46.24	10.16	34.68	15.40	52.54	9.55	32.58	15.86	54.12	8.57	29.22
					24	75.2	13.69	46.71	10.95	37.37	15.56	53.08	10.73	36.63	16.02	54.67	9.45	32.26
					27	80.6	13.83	47.18	11.48	39.16	15.71	53.62	11.31	38.60	16.19	55.22	10.52	35.90
					31	87.8	13.97	47.65	11.73	40.03	15.87	54.15	11.43	38.99	16.35	55.78	10.79	36.81
	2040	1201	25	0.2	23	73.4	12.93	44.12	9.70	33.09	14.69	50.13	9.26	31.58	15.13	51.64	8.17	27.88
					24	75.2	13.06	44.57	10.45	35.65	14.84	50.64	9.80	33.42	15.29	52.16	9.02	30.78
					27	80.6	13.19	45.02	10.69	36.46	14.99	51.15	10.34	35.30	15.44	52.69	9.57	32.67
					31	87.8	13.33	45.47	11.19	38.19	15.14	51.67	10.75	36.68	15.60	53.22	10.14	34.59

Model: GFH60K3BI/GUHN60NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	2961	1743	0	0	23	73.4	14.62	49.88	10.96	37.41	16.61	56.68	10.30	35.14	17.11	58.38	9.24	31.52
					24	75.2	14.77	50.38	11.81	40.31	16.78	57.26	10.57	36.07	17.28	58.97	10.20	34.79
					27	80.6	14.92	50.89	12.08	41.22	16.95	57.83	11.19	38.17	17.46	59.57	10.82	36.93
					31	87.8	15.07	51.40	12.65	43.18	17.12	58.41	11.81	40.30	17.63	60.16	11.46	39.11
	2750	1619	25	0.10	23	73.4	13.89	47.38	10.42	35.54	15.78	53.84	9.78	33.38	16.25	55.46	8.78	29.95
					24	75.2	14.03	47.87	11.22	38.29	15.94	54.39	11.00	37.53	16.42	56.02	9.69	33.05
					27	80.6	14.17	48.35	11.48	39.16	16.10	54.94	11.59	39.56	16.59	56.59	10.78	36.78
					31	87.8	14.31	48.83	12.02	41.02	16.26	55.49	11.71	39.95	16.75	57.16	11.06	37.72
	2546	1499	50	0.2	23	73.4	13.16	44.89	9.87	33.67	14.95	51.01	9.42	32.14	15.40	52.54	8.32	28.37
					24	75.2	13.29	45.35	10.63	36.28	15.10	51.53	9.97	34.01	15.56	53.08	9.18	31.31
					27	80.6	13.42	45.80	10.87	37.10	15.26	52.05	10.53	35.91	15.71	53.61	9.74	33.24
					31	87.8	13.56	46.26	11.39	38.86	15.41	52.57	10.94	37.33	15.87	54.15	10.32	35.20
Medium	2567	1511	0	0	23	73.4	13.32	45.44	9.99	34.08	15.13	51.63	9.38	32.01	15.59	53.18	8.42	28.72
					24	75.2	13.45	45.90	10.76	36.72	15.29	52.16	9.63	32.86	15.75	53.72	9.29	31.70
					27	80.6	13.59	46.36	11.01	37.55	15.44	52.69	10.19	34.77	15.90	54.27	9.86	33.65
					31	87.8	13.72	46.83	11.53	39.34	15.60	53.21	10.76	36.72	16.06	54.81	10.44	35.63
	2430	1430	15	0.10	23	73.4	12.98	44.30	9.74	33.23	14.75	50.34	9.15	31.21	15.20	51.85	8.21	28.00
					24	75.2	13.12	44.75	10.49	35.80	14.90	50.86	10.28	35.09	15.35	52.38	9.06	30.90
					27	80.6	13.25	45.20	10.73	36.62	15.06	51.37	10.84	36.99	15.51	52.91	10.08	34.39
					31	87.8	13.38	45.66	11.24	38.35	15.21	51.88	10.95	37.36	15.66	53.44	10.34	35.27
	2282	1343	25	0.2	23	73.4	12.38	42.26	9.29	31.69	14.07	48.02	8.87	30.25	14.50	49.46	7.83	26.71
					24	75.2	12.51	42.69	10.01	34.15	14.22	48.51	9.38	32.02	14.64	49.96	8.64	29.48
					27	80.6	12.64	43.12	10.24	34.93	14.36	49.00	9.91	33.81	14.79	50.47	9.17	31.29
					31	87.8	12.76	43.55	10.72	36.58	14.50	49.49	10.30	35.14	14.94	50.97	9.71	33.13
Low	2285	1345	0	0	23	73.4	12.57	42.89	9.43	32.17	14.29	48.74	8.86	30.22	14.71	50.20	7.95	27.11
					24	75.2	12.70	43.33	10.16	34.66	14.43	49.24	9.09	31.02	14.86	50.72	8.77	29.92
					27	80.6	12.83	43.77	10.39	35.45	14.58	49.74	9.62	32.83	15.01	51.23	9.31	31.76
					31	87.8	12.96	44.21	10.88	37.13	14.72	50.23	10.16	34.66	15.16	51.74	9.86	33.63
	2162	1273	15	0.10	23	73.4	12.32	42.04	9.24	31.53	14.00	47.77	8.68	29.62	14.42	49.20	7.79	26.57
					24	75.2	12.45	42.46	9.96	33.97	14.14	48.25	9.76	33.30	14.57	49.70	8.59	29.32
					27	80.6	12.57	42.89	10.18	34.74	14.29	48.74	10.29	35.09	14.71	50.20	9.56	32.63
					31	87.8	12.70	43.32	10.67	36.39	14.43	49.23	10.39	35.45	14.86	50.71	9.81	33.47
	2040	1201	25	0.2	23	73.4	11.75	40.10	8.82	30.08	13.36	45.57	8.41	28.71	13.76	46.94	7.43	25.35
					24	75.2	11.87	40.51	9.50	32.41	13.49	46.04	8.91	30.39	13.90	47.42	8.20	27.98
					27	80.6	11.99	40.92	9.72	33.15	13.63	46.50	9.40	32.09	14.04	47.90	8.70	29.70
					31	87.8	12.11	41.33	10.18	34.72	13.77	46.97	9.77	33.35	14.18	48.38	9.22	31.45

Model: GFH60K3BI/GUHN60NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2961	1743	0	0	23	73.4	13.16	44.89	9.87	33.67	14.95	51.01	9.27	31.63	15.40	52.54	8.32	28.37
					24	75.2	13.29	45.35	10.63	36.28	15.10	51.53	9.51	32.46	15.56	53.08	9.18	31.31
					27	80.6	13.42	45.80	10.87	37.10	15.26	52.05	10.07	34.35	15.71	53.61	9.74	33.24
					31	87.8	13.56	46.26	11.39	38.86	15.41	52.57	10.63	36.27	15.87	54.15	10.32	35.20
					23	73.4	11.22	38.29	8.42	28.72	12.75	43.51	7.91	26.98	13.14	44.82	7.09	24.20
	2750	1619	25	0.10	24	75.2	12.63	43.08	10.10	34.46	14.35	48.95	9.90	33.78	14.78	50.42	8.72	29.75
					27	80.6	12.75	43.51	10.33	35.25	14.49	49.45	10.43	35.60	14.93	50.93	9.70	33.11
					31	87.8	12.88	43.95	10.82	36.92	14.64	49.94	10.54	35.96	15.08	51.44	9.95	33.95
					23	73.4	11.84	40.40	8.88	30.30	13.45	45.91	8.48	28.92	13.86	47.29	7.48	25.53
					24	75.2	11.96	40.81	9.57	32.65	13.59	46.38	8.97	30.61	14.00	47.77	8.26	28.18
	2546	1499	50	0.2	27	80.6	12.08	41.22	9.79	33.39	13.73	46.85	9.47	32.32	14.14	48.25	8.77	29.92
					31	87.8	12.20	41.64	10.25	34.97	13.87	47.31	9.85	33.59	14.28	48.73	9.28	31.68
Medium	2567	1511	0	0	23	73.4	11.99	40.89	8.99	30.67	13.62	46.47	8.44	28.81	14.03	47.86	7.58	25.85
					24	75.2	12.11	41.31	9.69	33.05	13.76	46.94	8.67	29.57	14.17	48.35	8.36	28.53
					27	80.6	12.23	41.73	9.91	33.80	13.90	47.42	9.17	31.30	14.31	48.84	8.87	30.28
					31	87.8	12.35	42.14	10.38	35.40	14.04	47.89	9.69	33.05	14.46	49.33	9.40	32.06
					23	73.4	10.49	35.80	7.87	26.85	11.92	40.68	7.39	25.22	12.28	41.90	6.63	22.63
	2430	1430	15	0.10	24	75.2	11.80	40.28	9.44	32.22	13.41	45.77	9.26	31.58	13.82	47.14	8.15	27.81
					27	80.6	11.92	40.68	9.66	32.95	13.55	46.23	9.76	33.29	13.96	47.62	9.07	30.95
					31	87.8	12.04	41.09	10.12	34.52	13.69	46.69	9.85	33.62	14.10	48.10	9.30	31.74
					23	73.4	11.15	38.03	8.36	28.52	12.67	43.22	7.98	27.23	13.05	44.51	7.04	24.04
					24	75.2	11.26	38.42	9.01	30.73	12.80	43.66	8.44	28.81	13.18	44.97	7.78	26.53
	2282	1343	25	0.2	27	80.6	11.37	38.81	9.21	31.43	12.92	44.10	8.92	30.43	13.31	45.42	8.25	28.16
					31	87.8	11.49	39.19	9.65	32.92	13.05	44.54	9.27	31.62	13.45	45.88	8.74	29.82
Low	2285	1345	0	0	23	73.4	11.31	38.60	8.49	28.95	12.86	43.87	7.97	27.20	13.24	45.18	7.15	24.40
					24	75.2	11.43	39.00	9.14	31.20	12.99	44.32	8.18	27.92	13.38	45.64	7.89	26.93
					27	80.6	11.54	39.39	9.35	31.91	13.12	44.76	8.66	29.54	13.51	46.11	8.38	28.59
					31	87.8	11.66	39.79	9.79	33.42	13.25	45.21	9.14	31.20	13.65	46.57	8.87	30.27
					23	73.4	9.96	33.97	7.47	25.48	11.31	38.60	7.01	23.93	11.65	39.76	6.29	21.47
	2162	1273	15	0.10	24	75.2	11.20	38.22	8.96	30.57	12.73	43.43	8.78	29.97	13.11	44.73	7.74	26.39
					27	80.6	11.31	38.60	9.16	31.27	12.86	43.87	9.26	31.58	13.24	45.18	8.61	29.37
					31	87.8	11.43	38.99	9.60	32.75	12.99	44.31	9.35	31.90	13.38	45.64	8.83	30.12
					23	73.4	10.58	36.09	7.93	27.07	12.02	41.02	7.57	25.84	12.38	42.25	6.69	22.81
					24	75.2	10.69	36.46	8.55	29.17	12.14	41.43	8.01	27.35	12.51	42.68	7.38	25.18
	2040	1201	25	0.2	27	80.6	10.79	36.83	8.74	29.83	12.27	41.85	8.46	28.88	12.63	43.11	7.83	26.73
					31	87.8	10.90	37.20	9.16	31.25	12.39	42.27	8.80	30.01	12.76	43.54	8.29	28.30

(3) Ceiling Type

Model: GTH09K3BI/GUHN09NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	550	324	0	0	23	73.4	2.49	8.48	1.86	6.36	2.82	9.64	1.75	5.97	2.91	9.93	1.57	5.36
					24	75.2	2.51	8.57	2.01	6.85	2.85	9.74	1.80	6.13	2.94	10.03	1.73	5.92
					27	80.6	2.54	8.65	2.05	7.01	2.88	9.83	1.90	6.49	2.97	10.13	1.84	6.28
					31	87.8	2.56	8.74	2.15	7.34	2.91	9.93	2.01	6.85	3.00	10.23	1.95	6.65
Medium	470	277	0	0	23	73.4	2.24	7.63	1.68	5.72	2.54	8.67	1.58	5.38	2.62	8.93	1.41	4.82
					24	75.2	2.26	7.71	1.81	6.17	2.57	8.76	1.77	6.05	2.64	9.02	1.56	5.32
					27	80.6	2.28	7.79	1.85	6.31	2.59	8.85	1.87	6.37	2.67	9.12	1.74	5.93
					31	87.8	2.31	7.87	1.94	6.61	2.62	8.94	1.89	6.44	2.70	9.21	1.78	6.08
Low	385	227	0	0	23	73.4	1.94	6.61	1.45	4.96	2.20	7.52	1.39	4.74	2.27	7.74	1.23	4.18
					24	75.2	1.96	6.68	1.57	5.35	2.23	7.59	1.47	5.01	2.29	7.82	1.35	4.61
					27	80.6	1.98	6.75	1.60	5.47	2.25	7.67	1.55	5.29	2.32	7.90	1.44	4.90
					31	87.8	2.00	6.82	1.68	5.73	2.27	7.75	1.61	5.50	2.34	7.98	1.52	5.19

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F(35°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh		
High	550	324	0	0	23	73.4	2.26	7.71	1.69	5.78	2.57	8.76	1.59	5.43	2.64	9.02	1.43	4.87
					24	75.2	2.28	7.79	1.83	6.23	2.59	8.85	1.63	5.58	2.67	9.12	1.58	5.38
					27	80.6	2.31	7.87	1.87	6.37	2.62	8.94	1.73	5.90	2.70	9.21	1.67	5.71
					31	87.8	2.33	7.95	1.96	6.67	2.65	9.03	1.83	6.23	2.73	9.30	1.77	6.04
Medium	470	277	0	0	23	73.4	2.03	6.94	1.53	5.20	2.31	7.88	1.43	4.89	2.38	8.12	1.29	4.39
					24	75.2	2.05	7.01	1.64	5.61	2.33	7.97	1.61	5.50	2.40	8.20	1.42	4.84
					27	80.6	2.08	7.08	1.68	5.73	2.36	8.05	1.70	5.79	2.43	8.29	1.58	5.39
					31	87.8	2.10	7.15	1.76	6.01	2.38	8.13	1.71	5.85	2.45	8.37	1.62	5.52
Low	385	227	0	0	23	73.4	1.76	6.01	1.32	4.51	2.00	6.83	1.26	4.30	2.06	7.04	1.11	3.80
					24	75.2	1.78	6.07	1.42	4.86	2.02	6.90	1.34	4.56	2.08	7.11	1.23	4.19
					27	80.6	1.80	6.14	1.46	4.97	2.04	6.97	1.41	4.81	2.10	7.18	1.31	4.45
					31	87.8	1.82	6.20	1.53	5.21	2.06	7.04	1.47	5.00	2.13	7.25	1.38	4.71

Model: GTH12K3BI/GUHN12NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	600	353	0	0	23	73.4	3.29	11.23	2.47	8.42	3.74	12.76	2.32	7.91	3.85	13.15	2.08	7.10
					24	75.2	3.33	11.35	2.66	9.08	3.78	12.89	2.38	8.12	3.89	13.28	2.30	7.84
					27	80.6	3.36	11.46	2.72	9.28	3.82	13.02	2.52	8.60	3.93	13.41	2.44	8.32
					31	87.8	3.39	11.58	2.85	9.72	3.86	13.15	2.66	9.08	3.97	13.55	2.58	8.81
Medium	510	300	0	0	23	73.4	2.96	10.11	2.22	7.58	3.37	11.49	2.09	7.12	3.47	11.83	1.87	6.39
					24	75.2	2.99	10.21	2.39	8.17	3.40	11.60	2.35	8.01	3.50	11.95	2.07	7.05
					27	80.6	3.02	10.31	2.45	8.35	3.44	11.72	2.47	8.44	3.54	12.07	2.30	7.85
					31	87.8	3.05	10.42	2.56	8.75	3.47	11.84	2.50	8.52	3.57	12.19	2.36	8.05
Low	418	246	0	0	23	73.4	2.57	8.76	1.93	6.57	2.92	9.96	1.84	6.27	3.01	10.25	1.62	5.54
					24	75.2	2.59	8.85	2.08	7.08	2.95	10.06	1.95	6.64	3.04	10.36	1.79	6.11
					27	80.6	2.62	8.94	2.12	7.24	2.98	10.16	2.05	7.01	3.07	10.46	1.90	6.49
					31	87.8	2.65	9.03	2.22	7.58	3.01	10.26	2.13	7.28	3.10	10.57	2.01	6.87

Model: GTH18K3BI/GUHN18NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	700	412	0	0	23	73.4	4.64	15.83	3.48	11.87	5.27	17.99	3.27	11.15	5.43	18.53	2.93	10.00
					24	75.2	4.69	15.99	3.75	12.79	5.33	18.17	3.35	11.45	5.48	18.71	3.24	11.04
					27	80.6	4.73	16.15	3.83	13.08	5.38	18.35	3.55	12.11	5.54	18.90	3.44	11.72
					31	87.8	4.78	16.31	4.02	13.70	5.43	18.54	3.75	12.79	5.60	19.09	3.64	12.41
Medium	635	374	0	0	23	73.4	4.41	15.04	3.31	11.28	5.01	17.09	3.10	10.59	5.16	17.60	2.79	9.50
					24	75.2	4.45	15.19	3.56	12.15	5.06	17.26	3.49	11.91	5.21	17.78	3.07	10.49
					27	80.6	4.50	15.34	3.64	12.43	5.11	17.44	3.68	12.55	5.26	17.96	3.42	11.67
					31	87.8	4.54	15.50	3.82	13.02	5.16	17.61	3.72	12.68	5.32	18.14	3.51	11.97
Low	570	335	0	0	23	73.4	4.04	13.77	3.03	10.33	4.59	15.65	2.89	9.86	4.72	16.12	2.55	8.70
					24	75.2	4.08	13.91	3.26	11.13	4.63	15.81	3.06	10.43	4.77	16.28	2.82	9.61
					27	80.6	4.12	14.05	3.34	11.38	4.68	15.97	3.23	11.02	4.82	16.45	2.99	10.20
					31	87.8	4.16	14.19	3.49	11.92	4.73	16.13	3.36	11.45	4.87	16.61	3.16	10.80

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	600	353	0	0	23	73.4	2.99	10.21	2.24	7.66	3.40	11.60	2.11	7.19	3.50	11.95	1.89	6.45
					24	75.2	3.02	10.31	2.42	8.25	3.44	11.72	2.16	7.38	3.54	12.07	2.09	7.12
					27	80.6	3.05	10.42	2.47	8.44	3.47	11.84	2.29	7.81	3.57	12.19	2.22	7.56
					31	87.8	3.08	10.52	2.59	8.84	3.50	11.96	2.42	8.25	3.61	12.32	2.35	8.01
Medium	510	300	0	0	23	73.4	2.69	9.19	2.02	6.89	3.06	10.44	1.90	6.47	3.15	10.76	1.70	5.81
					24	75.2	2.72	9.28	2.18	7.43	3.09	10.55	2.13	7.28	3.18	10.87	1.88	6.41
					27	80.6	2.75	9.38	2.23	7.60	3.12	10.66	2.25	7.67	3.22	10.98	2.09	7.13
					31	87.8	2.78	9.47	2.33	7.96	3.15	10.76	2.27	7.75	3.25	11.09	2.14	7.32
Low	418	246	0	0	23	73.4	2.33	7.96	1.75	5.97	2.65	9.05	1.67	5.70	2.73	9.32	1.48	5.03
					24	75.2	2.36	8.05	1.89	6.44	2.68	9.14	1.77	6.03	2.76	9.42	1.63	5.56
					27	80.6	2.38	8.13	1.93	6.58	2.71	9.23	1.87	6.37	2.79	9.51	1.73	5.90
					31	87.8	2.41	8.21	2.02	6.89	2.73	9.33	1.94	6.62	2.82	9.61	1.83	6.24

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	m³/hr	cfm	Pa	in.wg	°C	°F	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
High	700	412	0	0	23	73.4	4.22	14.39	3.16	10.79	4.79	16.35	2.97	10.14	4.94	16.84	2.67	9.09
					24	75.2	4.26	14.54	3.41	11.63	4.84	16.52	3.05	10.41	4.99	17.01	2.94	10.04
					27	80.6	4.30	14.68	3.49	11.89	4.89	16.68	3.23	11.01	5.04	17.19	3.12	10.65
					31	87.8	4.35	14.83	3.65	12.46	4.94	16.85	3.41	11.63	5.09	17.36	3.31	11.28
Medium	635	374	0	0	23	73.4	4.01	13.67	3.00	10.25	4.55	15.53	2.82	9.63	4.69	16.00	2.53	8.64
					24	75.2	4.05	13.81	3.24	11.05	4.60	15.69	3.17	10.83	4.74	16.16	2.79	9.54
					27	80.6	4.09	13.95	3.31	11.30	4.65	15.85	3.34	11.41	4.78	16.33	3.11	10.61
					31	87.8	4.13	14.09	3.47	11.83	4.69	16.01	3.38	11.53	4.83	16.49	3.19	10.88
Low	570	335	0	0	23	73.4	3.67	12.52	2.75	9.39	4.17	14.23	2.63	8.96	4.29	14.65	2.32	7.91
					24	75.2	3.71	12.65	2.97	10.12	4.21	14.37	2.78	9.48	4.34	14.80	2.56	8.73
					27	80.6	3.74	12.77	3.03	10.35	4.25	14.52	2.94	10.02	4.38	14.95	2.72	9.27
					31	87.8	3.78	12.90	3.18	10.84	4.30	14.66	3.05	10.41	4.43	15.10	2.88	9.82

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F (43°C)											
							Indoor Air Wet Bulb Temperature °F (°C)											
	62°F (17°C)				67°F (19°C)				72°F (22°C)									
Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity								
m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh			
High	600	353	0	0	23	73.4	2.69	9.19	2.02	6.89	3.06	10.44	1.90	6.47	3.15	10.76	1.70	5.81
					24	75.2	2.72	9.28	2.18	7.43	3.09	10.55	1.95	6.65	3.18	10.87	1.88	6.41
					27	80.6	2.75	9.38	2.23	7.60	3.12	10.66	2.06	7.03	3.22	10.98	1.99	6.80
					31	87.8	2.78	9.47	2.33	7.96	3.15	10.76	2.18	7.43	3.25	11.09	2.11	7.21
Medium	510	300	0	0	23	73.4	2.18	7.43	1.63	5.57	2.47	8.44	1.53	5.23	2.55	8.69	1.38	4.69
					24	75.2	2.45	8.35	1.96	6.68	2.78	9.49	1.92	6.55	2.87	9.78	1.69	5.77
					27	80.6	2.47	8.44	2.00	6.84	2.81	9.59	2.02	6.90	2.90	9.88	1.88	6.42
					31	87.8	2.50	8.52	2.10	7.16	2.84	9.69	2.04	6.97	2.92	9.98	1.93	6.58
Low	418	246	0	0	23	73.4	2.10	7.17	1.58	5.38	2.39	8.15	1.50	5.13	2.46	8.39	1.33	4.53
					24	75.2	2.12	7.24	1.70	5.79	2.41	8.23	1.59	5.43	2.48	8.48	1.47	5.00
					27	80.6	2.14	7.31	1.74	5.92	2.44	8.31	1.68	5.73	2.51	8.56	1.56	5.31
					31	87.8	2.17	7.39	1.82	6.21	2.46	8.39	1.75	5.96	2.53	8.65	1.65	5.62

Model: GTH24K3BI/GUHN24NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature77°F(25℃)											
							Indoor Air Wet Bulb Temperature °F(℃)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
High	1100	647	0	0	23	73.4	6.50	22.17	4.87	16.63	7.38	25.20	4.58	15.62	7.61	25.95	4.11	14.01
					24	75.2	6.56	22.40	5.25	17.92	7.46	25.45	4.70	16.03	7.68	26.22	4.53	15.47
					27	80.6	6.63	22.62	5.37	18.33	7.54	25.71	4.97	16.97	7.76	26.48	4.81	16.42
					31	87.8	6.70	22.85	5.63	19.19	7.61	25.97	5.25	17.92	7.84	26.75	5.10	17.38
Medium	1010	594	0	0	23	73.4	6.24	21.28	4.68	15.96	7.09	24.19	4.40	15.00	7.30	24.91	3.94	13.45
					24	75.2	6.30	21.50	5.04	17.20	7.16	24.43	4.94	16.86	7.38	25.17	4.35	14.85
					27	80.6	6.37	21.72	5.16	17.59	7.23	24.68	5.21	17.77	7.45	25.42	4.84	16.52
					31	87.8	6.43	21.94	5.40	18.43	7.31	24.93	5.26	17.95	7.53	25.68	4.97	16.95
Low	960	565	0	0	23	73.4	5.85	19.95	4.39	14.97	6.65	22.68	4.19	14.29	6.85	23.36	3.70	12.61
					24	75.2	5.91	20.16	4.73	16.13	6.71	22.91	4.43	15.12	6.92	23.59	4.08	13.92
					27	80.6	5.97	20.36	4.83	16.49	6.78	23.14	4.68	15.97	6.98	23.83	4.33	14.78
					31	87.8	6.03	20.57	5.06	17.28	6.85	23.37	4.86	16.59	7.05	24.07	4.59	15.65

Fan Speed	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℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
High	1100	647	0	0	23	73.4	5.91	20.16	4.43	15.12	6.71	22.90	4.16	14.20	6.91	23.59	3.73	12.74
					24	75.2	5.97	20.36	4.77	16.29	6.78	23.14	4.27	14.58	6.98	23.83	4.12	14.06
					27	80.6	6.03	20.57	4.88	16.66	6.85	23.37	4.52	15.43	7.06	24.07	4.37	14.93
					31	87.8	6.09	20.77	5.11	17.45	6.92	23.61	4.77	16.29	7.13	24.31	4.63	15.80
Medium	1010	594	0	0	23	73.4	5.67	19.35	4.25	14.51	6.44	21.99	4.00	13.63	6.64	22.65	3.58	12.23
					24	75.2	5.73	19.55	4.58	15.64	6.51	22.21	4.49	15.33	6.71	22.88	3.96	13.50
					27	80.6	5.79	19.74	4.69	15.99	6.58	22.44	4.73	16.15	6.77	23.11	4.40	15.02
					31	87.8	5.84	19.94	4.91	16.75	6.64	22.66	4.78	16.32	6.84	23.34	4.52	15.41
Low	960	565	0	0	23	73.4	5.32	18.14	3.99	13.61	6.04	20.61	3.81	12.99	6.22	21.23	3.36	11.47
					24	75.2	5.37	18.33	4.30	14.66	6.10	20.82	4.03	13.74	6.29	21.45	3.71	12.66
					27	80.6	5.43	18.51	4.39	14.99	6.17	21.03	4.25	14.51	6.35	21.67	3.94	13.43
					31	87.8	5.48	18.70	4.60	15.70	6.23	21.25	4.42	15.08	6.41	21.88	4.17	14.22

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43℃)											
							Indoor Air Wet Bulb Temperature °F(℃)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
	m³/hr	cfm	Pa	in.wg	℃	°F	Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
High	1100	647	0	0	23	73.4	5.32	18.14	3.99	13.61	6.04	20.61	3.75	12.78	6.22	21.23	3.36	11.47
					24	75.2	5.37	18.33	4.30	14.66	6.10	20.82	3.85	13.12	6.29	21.45	3.71	12.66
					27	80.6	5.43	18.51	4.39	14.99	6.17	21.03	4.07	13.88	6.35	21.67	3.94	13.43
					31	87.8	5.48	18.70	4.60	15.70	6.23	21.25	4.30	14.66	6.41	21.88	4.17	14.22
Medium	1010	594	0	0	23	73.4	4.58	15.64	3.44	11.73	5.21	17.77	3.23	11.02	5.36	18.30	2.90	9.88
					24	75.2	5.16	17.59	4.12	14.07	5.86	19.99	4.04	13.79	6.03	20.59	3.56	12.15
					27	80.6	5.21	17.77	4.22	14.39	5.92	20.19	4.26	14.54	6.10	20.80	3.96	13.52
					31	87.8	5.26	17.95	4.42	15.08	5.98	20.40	4.30	14.68	6.16	21.01	4.06	13.86
Low	960	565	0	0	23	73.4	4.79	16.33	3.59	12.24	5.44	18.55	3.43	11.69	5.60	19.11	3.02	10.32
					24	75.2	4.83	16.49	3.87	13.19	5.49	18.74	3.63	12.37	5.66	19.30	3.34	11.39
					27	80.6	4.88	16.66	3.95	13.49	5.55	18.93	3.83	13.06	5.71	19.50	3.54	12.09
					31	87.8	4.93	16.83	4.14	14.13	5.60	19.12	3.98	13.58	5.77	19.69	3.75	12.80

Model: GTH36K3BI/GUHN36NK3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature77°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										
m³/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	
High	1700	1000	0	0	23	73.4	9.38	32.01	7.04	24.01	10.66	36.38	6.61	22.55	10.98	37.47	5.93	20.23
					24	75.2	9.48	32.34	7.58	25.87	10.77	36.75	6.79	23.15	11.09	37.85	6.55	22.33
					27	80.6	9.57	32.66	7.75	26.46	10.88	37.12	7.18	24.50	11.21	38.23	6.95	23.70
					31	87.8	9.67	32.99	8.12	27.71	10.99	37.49	7.58	25.87	11.32	38.62	7.36	25.10
Medium	1540	910	0	0	23	73.4	8.91	30.41	6.68	22.81	10.13	34.56	6.28	21.43	10.43	35.59	5.63	19.22
					24	75.2	9.00	30.72	7.20	24.58	10.23	34.91	7.06	24.09	10.54	35.96	6.22	21.22
					27	80.6	9.09	31.03	7.37	25.14	10.34	35.26	7.44	25.39	10.65	36.32	6.92	23.61
					31	87.8	9.19	31.34	7.72	26.33	10.44	35.62	7.52	25.64	10.75	36.68	7.10	24.21
Low	1440	848	0	0	23	73.4	7.97	27.21	5.98	20.41	9.06	30.92	5.71	19.48	9.33	31.85	5.04	17.20
					24	75.2	8.06	27.49	6.44	21.99	9.15	31.24	6.04	20.62	9.43	32.17	5.56	18.98
					27	80.6	8.14	27.77	6.59	22.49	9.25	31.55	6.38	21.77	9.52	32.50	5.91	20.15
					31	87.8	8.22	28.04	6.90	23.56	9.34	31.87	6.63	22.63	9.62	32.82	6.25	21.33

Model: GTH36K3BI/GUHN36NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature77°F(25°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1700	1000	0	0	23	73.4	9.44	32.21	7.08	24.15	10.73	36.60	6.65	22.69	11.05	37.70	5.97	20.36
					24	75.2	9.54	32.53	7.63	26.03	10.84	36.97	6.83	23.29	11.16	38.08	6.58	22.47
					27	80.6	9.63	32.86	7.80	26.62	10.95	37.34	7.22	24.65	11.27	38.46	6.99	23.85
					31	87.8	9.73	33.19	8.17	27.88	11.05	37.72	7.63	26.03	11.39	38.85	7.40	25.25
Medium	1540	910	0	0	23	73.4	8.97	30.60	6.73	22.95	10.19	34.77	6.32	21.56	10.50	35.81	5.67	19.34
					24	75.2	9.06	30.91	7.25	24.73	10.29	35.12	7.10	24.23	10.60	36.18	6.26	21.34
					27	80.6	9.15	31.22	7.41	25.29	10.40	35.48	7.49	25.54	10.71	36.54	6.96	23.75
					31	87.8	9.24	31.53	7.76	26.49	10.50	35.83	7.56	25.80	10.82	36.91	7.14	24.36
Low	1440	848	0	0	23	73.4	8.02	27.37	6.02	20.53	9.12	31.11	5.74	19.60	9.39	32.04	5.07	17.30
					24	75.2	8.10	27.65	6.48	22.12	9.21	31.43	6.08	20.74	9.49	32.37	5.60	19.10
					27	80.6	8.19	27.93	6.63	22.63	9.30	31.74	6.42	21.90	9.58	32.69	5.94	20.27
					31	87.8	8.27	28.21	6.95	23.70	9.40	32.06	6.67	22.76	9.68	33.02	6.29	21.46

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F(35°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1700	1000	0	0	23	73.4	8.58	29.28	6.44	21.96	9.75	33.27	6.05	20.63	10.04	34.27	5.42	18.51
					24	75.2	8.67	29.58	6.93	23.66	9.85	33.61	6.21	21.17	10.15	34.62	5.99	20.42
					27	80.6	8.76	29.88	7.09	24.20	9.95	33.95	6.57	22.41	10.25	34.97	6.35	21.68
					31	87.8	8.84	30.17	7.43	25.35	10.05	34.29	6.93	23.66	10.35	35.32	6.73	22.96
Medium	1540	910	0	0	23	73.4	8.15	27.81	6.11	20.86	9.26	31.61	5.74	19.60	9.54	32.56	5.15	17.58
					24	75.2	8.24	28.10	6.59	22.48	9.36	31.93	6.46	22.03	9.64	32.89	5.69	19.40
					27	80.6	8.32	28.38	6.74	22.99	9.45	32.25	6.81	23.22	9.74	33.22	6.33	21.59
					31	87.8	8.40	28.67	7.06	24.08	9.55	32.57	6.87	23.45	9.83	33.55	6.49	22.14
Low	1440	848	0	0	23	73.4	7.64	26.06	5.73	19.54	8.68	29.61	5.47	18.65	8.94	30.50	4.83	16.47
					24	75.2	7.71	26.32	6.17	21.06	8.77	29.91	5.79	19.74	9.03	30.81	5.33	18.18
					27	80.6	7.79	26.59	6.31	21.54	8.86	30.21	6.11	20.85	9.12	31.12	5.66	19.30
					31	87.8	7.87	26.86	6.61	22.56	8.94	30.52	6.35	21.67	9.21	31.43	5.99	20.43

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F(17°C)				67°F(19°C)				72°F(22°C)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1700	1000	0	0	23	73.4	7.72	26.35	5.79	19.76	8.78	29.94	5.44	18.56	9.04	30.84	4.88	16.65
					24	75.2	7.80	26.62	6.24	21.30	8.87	30.25	5.59	19.06	9.13	31.16	5.39	18.38
					27	80.6	7.88	26.89	6.38	21.78	8.96	30.55	5.91	20.17	9.22	31.47	5.72	19.51
					31	87.8	7.96	27.16	6.69	22.81	9.04	30.86	6.24	21.29	9.32	31.79	6.06	20.66
Medium	1540	910	0	0	23	73.4	6.59	22.48	4.94	16.86	7.49	25.54	4.64	15.84	7.71	26.31	4.16	14.21
					24	75.2	7.41	25.29	5.93	20.23	8.42	28.74	5.81	19.83	8.67	29.60	5.12	17.46
					27	80.6	7.49	25.54	6.06	20.69	8.51	29.03	6.13	20.90	8.76	29.90	5.70	19.43
					31	87.8	7.56	25.80	6.35	21.67	8.59	29.32	6.19	21.11	8.85	30.20	5.84	19.93
Low	1440	848	0	0	23	73.4	6.87	23.45	5.15	17.59	7.81	26.65	4.92	16.79	8.04	27.45	4.34	14.82
					24	75.2	6.94	23.69	5.55	18.95	7.89	26.92	5.21	17.77	8.13	27.73	4.79	16.36
					27	80.6	7.01	23.93	5.68	19.38	7.97	27.19	5.50	18.76	8.21	28.01	5.09	17.37
					31	87.8	7.08	24.17	5.95	20.30	8.05	27.47	5.72	19.50	8.29	28.29	5.39	18.39

Model: GTH42K3BI/GUHN42NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature77°F (25°C)											
							Indoor Air Wet Bulb Temperature °F(°C)											
							62°F (17°C)				67°F (19°C)				72°F (22°C)			
	Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity		Total Capacity	Sensible Capacity										
	m³/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	1700	1000	0	0	23	73.4	11.25	38.39	8.44	28.79	12.79	43.62	7.93	27.05	13.17	44.93	7.11	24.26
					24	75.2	11.37	38.78	9.09	31.02	12.92	44.07	8.14	27.76	13.30	45.39	7.85	26.78
					27	80.6	11.48	39.17	9.30	31.73	13.05	44.51	8.61	29.38	13.44	45.85	8.33	28.43
					31	87.8	11.60	39.56	9.74	33.23	13.18	44.96	9.09	31.02	13.57	46.31	8.82	30.10
Medium	1540	910	0	0	23	73.4	10.69	36.47	8.02	27.35	12.15	41.44	7.53	25.69	12.51	42.68	6.76	23.05
					24	75.2	10.80	36.84	8.64	29.47	12.27	41.86	8.47	28.89	12.64	43.12	7.46	25.44
					27	80.6	10.91	37.21	8.83	30.14	12.39	42.29	8.92	30.45	12.77	43.56	8.30	28.31
					31	87.8	11.02	37.58	9.25	31.57	12.52	42.71	9.01	30.75	12.89	43.99	8.51	29.03
Low	1440	848	0	0	23	73.4	9.56	32.63	7.17	24.47	10.87	37.08	6.85	23.36	11.19	38.19	6.04	20.62
					24	75.2	9.66	32.96	7.73	26.37	10.98	37.46	7.25	24.72	11.31	38.58	6.67	22.76
					27	80.6	9.76	33.30	7.90	26.97	11.09	37.84	7.65	26.11	11.42	38.97	7.08	24.16
					31	87.8	9.86	33.63	8.28	28.25	11.20	38.21	7.95	27.13	11.54	39.36	7.50	25.58

Model: GTH48K3BI/GUHN48NM3AO

Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature77°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	
	m³/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2000	1177	0	0	23	73.4	13.21	45.06	9.90	33.79	15.01	51.20	9.30	31.74	15.46	52.74	8.35	28.48
					24	75.2	13.34	45.52	10.67	36.41	15.16	51.72	9.55	32.58	15.61	53.27	9.21	31.43
					27	80.6	13.47	45.98	10.91	37.24	15.31	52.24	10.11	34.48	15.77	53.81	9.78	33.36
					31	87.8	13.61	46.43	11.43	39.01	15.47	52.77	10.67	36.41	15.93	54.35	10.35	35.33
Medium	1900	1118	0	0	23	73.4	12.68	43.25	9.51	32.44	14.41	49.15	8.93	30.47	14.84	50.63	8.01	27.34
					24	75.2	12.81	43.69	10.24	34.96	14.55	49.65	10.04	34.26	14.99	51.14	8.84	30.17
					27	80.6	12.94	44.14	10.48	35.75	14.70	50.15	10.58	36.11	15.14	51.66	9.84	33.58
					31	87.8	13.06	44.58	10.97	37.45	14.85	50.66	10.69	36.47	15.29	52.18	10.09	34.44
Low	1795	1056	0	0	23	73.4	12.15	41.45	9.11	31.09	13.81	47.10	8.70	29.68	14.22	48.52	7.68	26.20
					24	75.2	12.27	41.87	9.82	33.50	13.95	47.58	9.20	31.41	14.36	49.01	8.48	28.92
					27	80.6	12.40	42.30	10.04	34.26	14.09	48.06	9.72	33.16	14.51	49.51	9.00	30.69
					31	87.8	12.52	42.72	10.52	35.88	14.23	48.55	10.10	34.47	14.65	50.00	9.53	32.50

Fan Speed	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	
	m³/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2000	1177	0	0	23	73.4	12.00	40.96	9.00	30.72	13.64	46.55	8.46	28.86	14.05	47.94	7.59	25.89
					24	75.2	12.13	41.38	9.70	33.10	13.78	47.02	8.68	29.62	14.19	48.43	8.37	28.57
					27	80.6	12.25	41.80	9.92	33.85	13.92	47.50	9.19	31.35	14.34	48.92	8.89	30.33
					31	87.8	12.37	42.21	10.39	35.46	14.06	47.97	9.70	33.10	14.48	49.41	9.41	32.12
Medium	1900	1118	0	0	23	73.4	11.52	39.32	8.64	29.49	13.10	44.68	8.12	27.70	13.49	46.02	7.28	24.85
					24	75.2	11.64	39.72	9.31	31.78	13.23	45.14	9.13	31.15	13.63	46.49	8.04	27.43
					27	80.6	11.76	40.12	9.53	32.50	13.36	45.60	9.62	32.83	13.76	46.96	8.95	30.53
					31	87.8	11.88	40.53	9.98	34.04	13.50	46.05	9.72	33.16	13.90	47.43	9.18	31.31
Low	1795	1056	0	0	23	73.4	11.04	37.68	8.28	28.26	12.55	42.82	7.91	26.98	12.93	44.11	6.98	23.82
					24	75.2	11.16	38.07	8.93	30.45	12.68	43.26	8.37	28.55	13.06	44.56	7.70	26.29
					27	80.6	11.27	38.45	9.13	31.15	12.81	43.70	8.84	30.15	13.19	45.01	8.18	27.90
					31	87.8	11.38	38.84	9.56	32.62	12.93	44.13	9.18	31.33	13.32	45.46	8.66	29.55

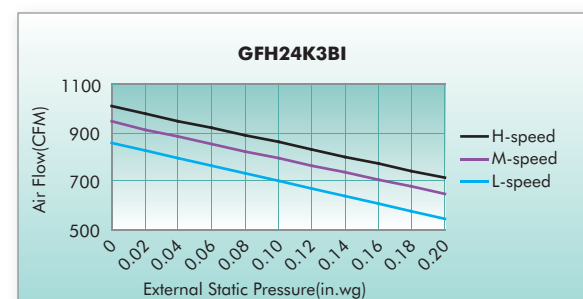
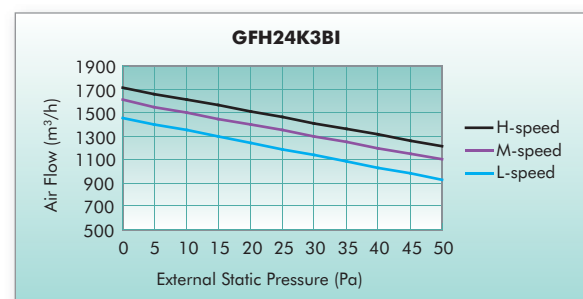
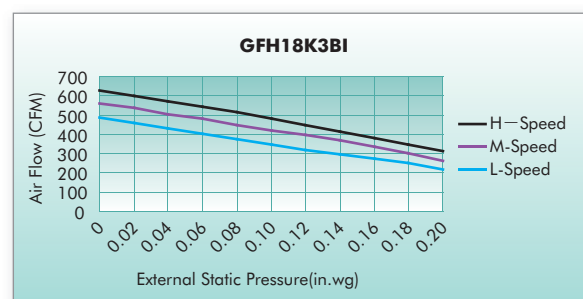
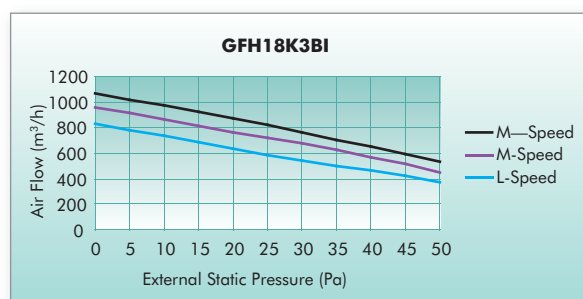
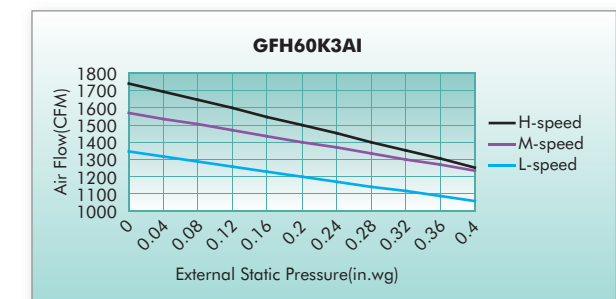
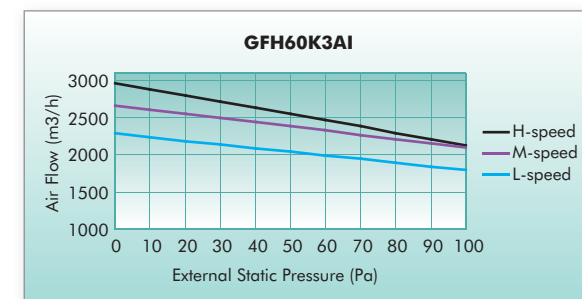
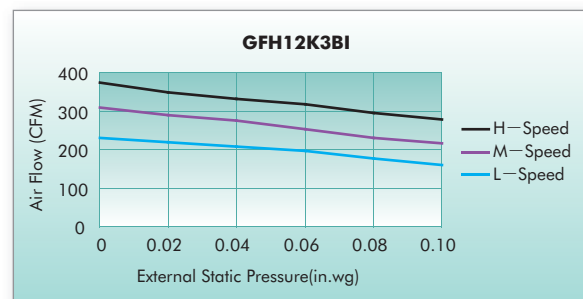
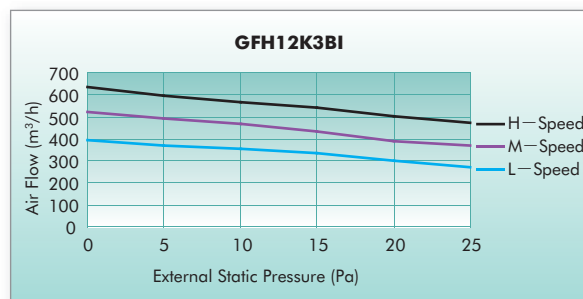
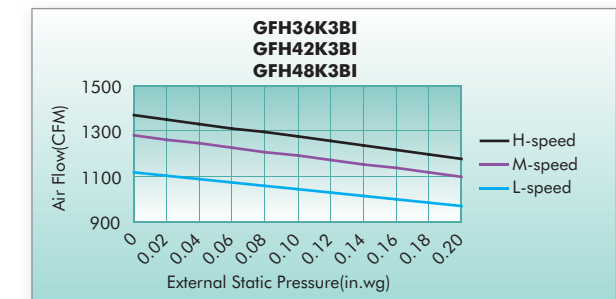
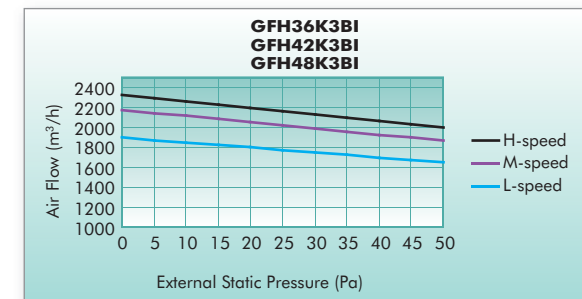
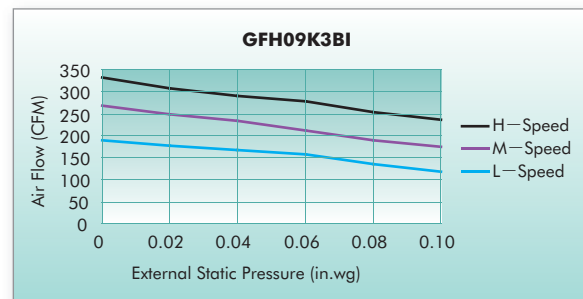
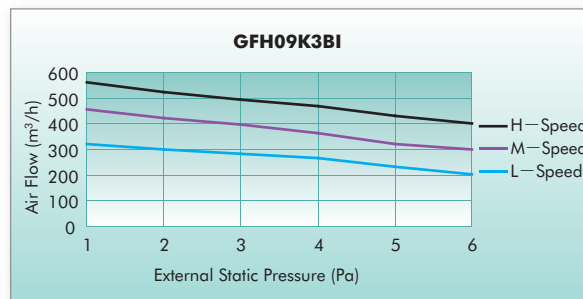
Fan Speed	Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 110°F(43℃)											
							Indoor Air Wet Bulb Temperature °F(℃)											
							62°F(17℃)				67°F(19℃)				72°F(22℃)			
							Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
	m³/hr	cfm	Pa	in.wg	℃	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
High	2000	1177	0	0	23	73.4	10.80	36.86	8.10	27.65	12.28	41.89	7.61	25.97	12.65	43.15	6.83	23.30
					24	75.2	10.91	37.24	8.73	29.79	12.40	42.32	7.81	26.66	12.77	43.59	7.54	25.72
					27	80.6	11.02	37.62	8.93	30.47	12.53	42.75	8.27	28.21	12.90	44.03	8.00	27.30
					31	87.8	11.13	37.99	9.35	31.91	12.65	43.17	8.73	29.79	13.03	44.47	8.47	28.90
Medium	1900	1118	0	0	23	73.4	9.31	31.78	6.99	23.83	10.58	36.11	6.56	22.39	10.90	37.19	5.89	20.09
					24	75.2	10.48	35.75	8.38	28.60	11.91	40.63	8.22	28.03	12.26	41.84	7.24	24.69
					27	80.6	10.58	36.11	8.57	29.25	12.03	41.04	8.66	29.55	12.39	42.27	8.05	27.47
					31	87.8	10.69	36.47	8.98	30.64	12.15	41.45	8.75	29.84	12.51	42.69	8.26	28.18
Low	1795	1056	0	0	23	73.4	9.94	33.91	7.45	25.44	11.30	38.54	7.12	24.28	11.63	39.70	6.28	21.44
					24	75.2	10.04	34.26	8.03	27.41	11.41	38.93	7.53	25.70	11.75	40.10	6.93	23.66
					27	80.6	10.14	34.61	8.22	28.03	11.53	39.33	7.95	27.13	11.87	40.51	7.36	25.11
					31	87.8	10.24	34.95	8.61	29.36	11.64	39.72	8.27	28.20	11.99	40.91	7.79	26.59



4.4 Electrical Data

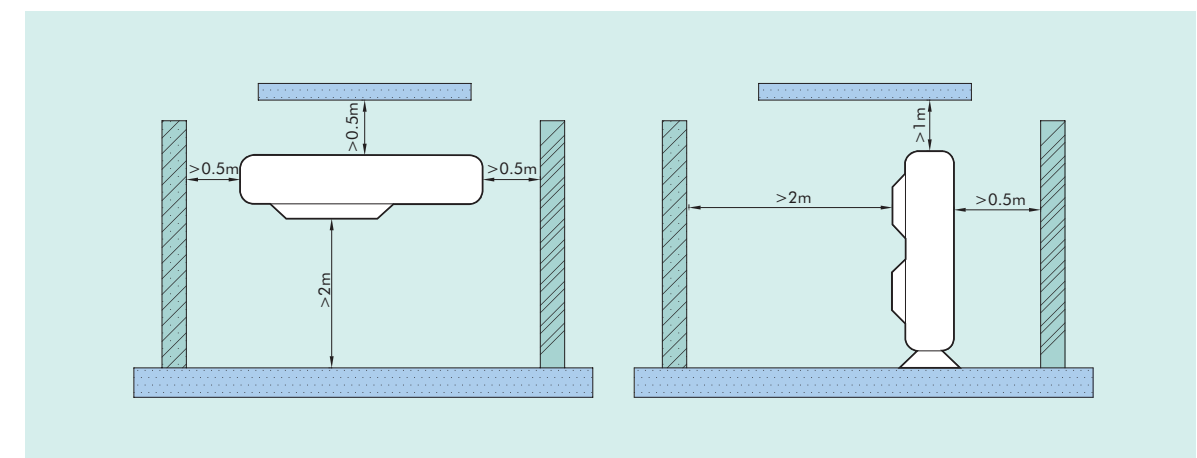
Model (Indoor/Outdoor)	Compressor				Fan Motor		Max. Fuse Breaker Size	Min. Disconnect Size
	Power Supply	Qty.	RLA	LRA	Condenser Fan Motors	Supply Blower Motor	Amperes	Amperes
		-	Each	Each	FLA Each	FLA Each		
GFH09K3AI/GUHN09NK3AO	220~240V(50Hz)	1	4.28	18	0.27	0.18	6	5.8
GFH12K3AI/GUHN12NK3AO	220~240V(50Hz)	1	5.6	32	0.27	0.18	6	7.5
GFH18K3AI/GUHN18NK3AO	220~240V(50Hz)	1	8.8	40	0.27	0.63	13	11.9
GFH24K3AI/GUHN24NK3AO	220~240V(50Hz)	1	11.2	60	0.61	1.35	16	15.9
GFH36K3AI/GUHN36NK3AO	220~240V(50Hz)	1	18.42A	/	0.8	4.5	32	28.4
GFH36K3AI/GUHN36NM3AO	380-415V(50Hz)	1	6.58A	/	0.8	4.5	16	13.6
GFH42K3AI/GUHN42NM3AO	380-415V(50Hz)	1	8.22A	/	0.8	4.5	16	15.6
GFH48K3AI/GUHN48NM3AO	380-415V(50Hz)	1	8.9A	/	0.8	4.5	20	16.5
GFH60K3AI/GUHN60NM3AO	380-415V(50Hz)	1	9.7A	/	0.8	4.5	20	17.5
GTH09K3AI/GUHN09NK3AO	220~240V(50Hz)	1	4.28A	18	0.27	0.09	6	5.7
GTH12K3AI/GUHN12NK3AO	220~240V(50Hz)	1	5.6A	32	0.27	0.09	6	7.4
GTH18K3AI/GUHN18NK3AO	220~240V(50Hz)	1	8.8A	40	0.27	0.36	13	11.64
GTH24K3AI/GUHN24NK3AO	220~240V(50Hz)	1	11.2A	60	0.61	0.9	16	15.6
GTH36K3AI/GUHN36NK3AO	220~240V(50Hz)	1	18.42A	/	0.8	1.35	25	25.2
GTH36K3AI/GUHN36NM3AO	380-415V(50Hz)	1	6.58A	/	0.8	1.35	10	10.4
GTH42K3AI/GUHN42NM3AO	380-415V(50Hz)	1	8.22A	/	0.8	1.35	13	12.4
GTH48K3AI/GUHN48NM3AO	380-415V(50Hz)	1	8.9A	/	0.8	1.62	16	13.6
GKH18K3AI/GUHN18NK3AO	220~240V(50Hz)	1	8.8A	40	0.27	0.1	13	11.4
GKH24K3AI/GUHN24NK3AO	220~240V(50Hz)	1	11.2A	60	0.61	0.32	16	14.9
GKH36K3AI/GUHN36NK3AO	220~240V(50Hz)	1	18.42A	/	0.8	0.54	25	24.4
GKH36K3AI/GUHN36NM3AO	380-415V(50Hz)	1	6.58A	/	0.8	0.54	10	8.6
GKH42K3AI/GUHN42NM3AO	380-415V(50Hz)	1	8.22A	/	0.8	0.54	13	11.6
GKH48K3AI/GUHN48NM3AO	380-415V(50Hz)	1	8.9A	/	0.8	0.54	13	12.5

5 FAN CHARACTERISTICS



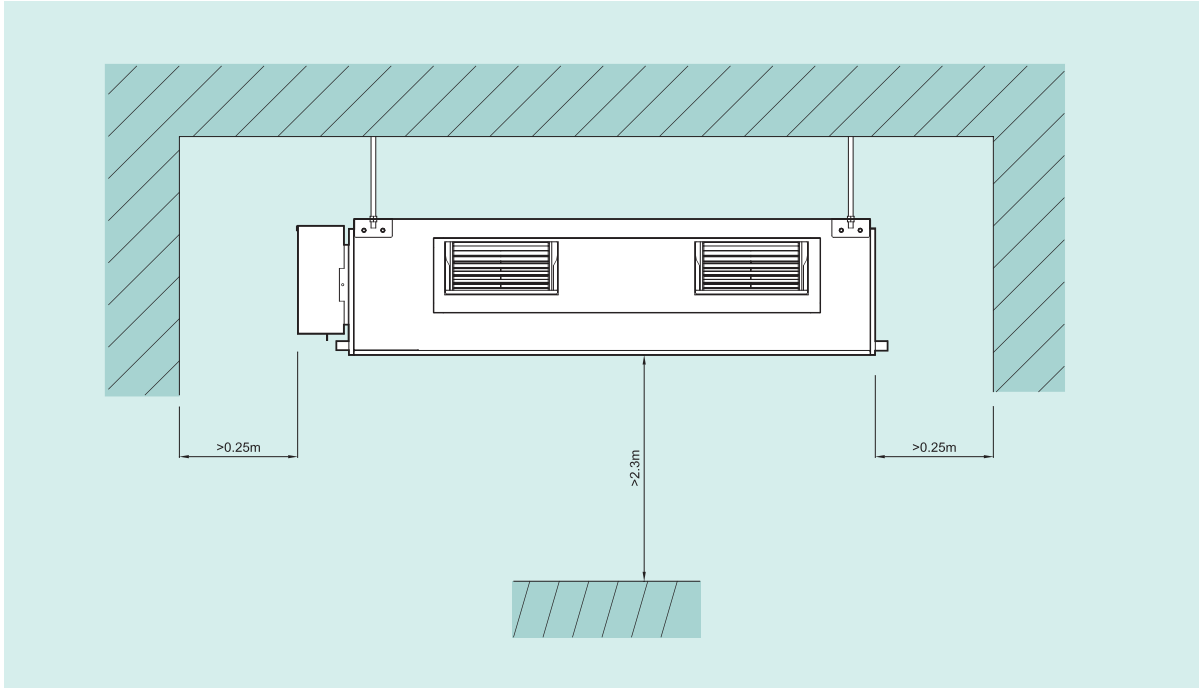
6 CLEARANCE DATA

Outdoor Unit

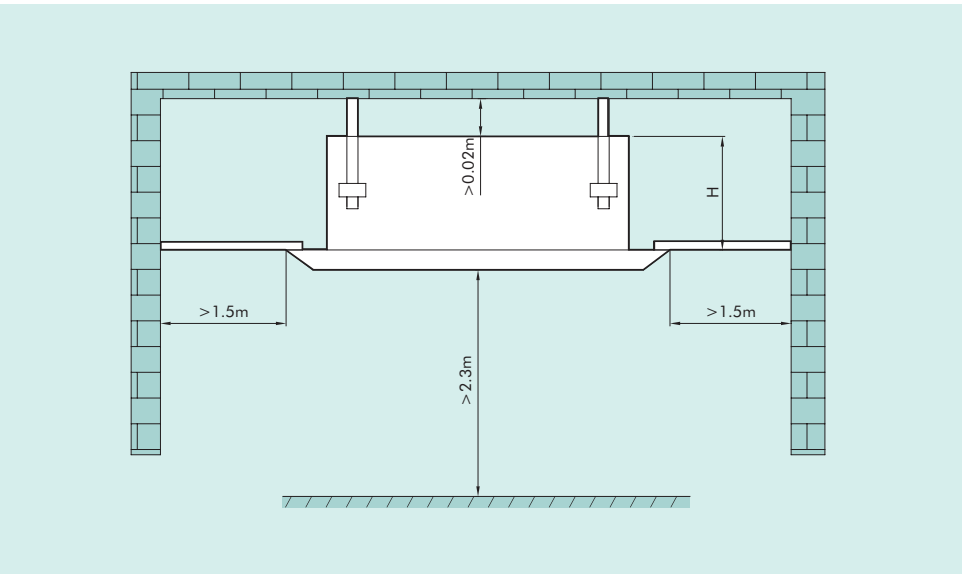


Indoor unit

Duct type

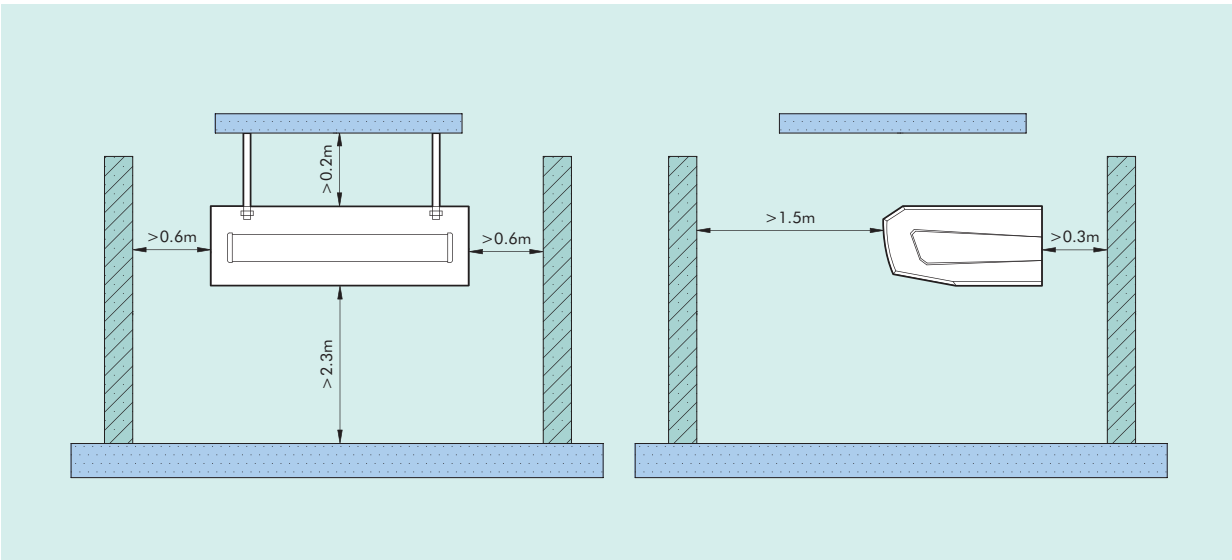
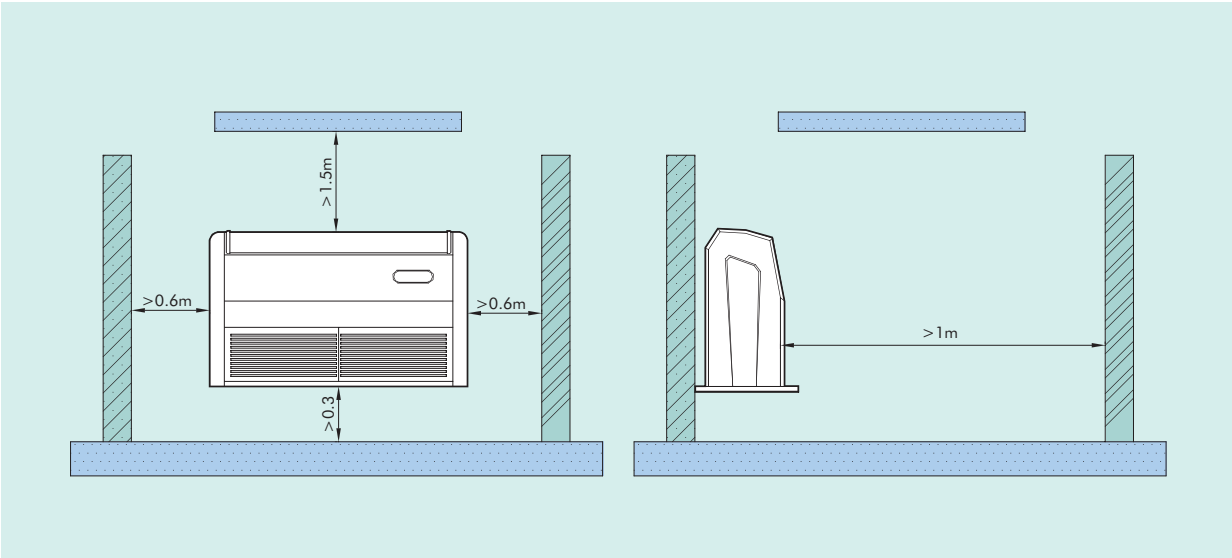


Cassette type



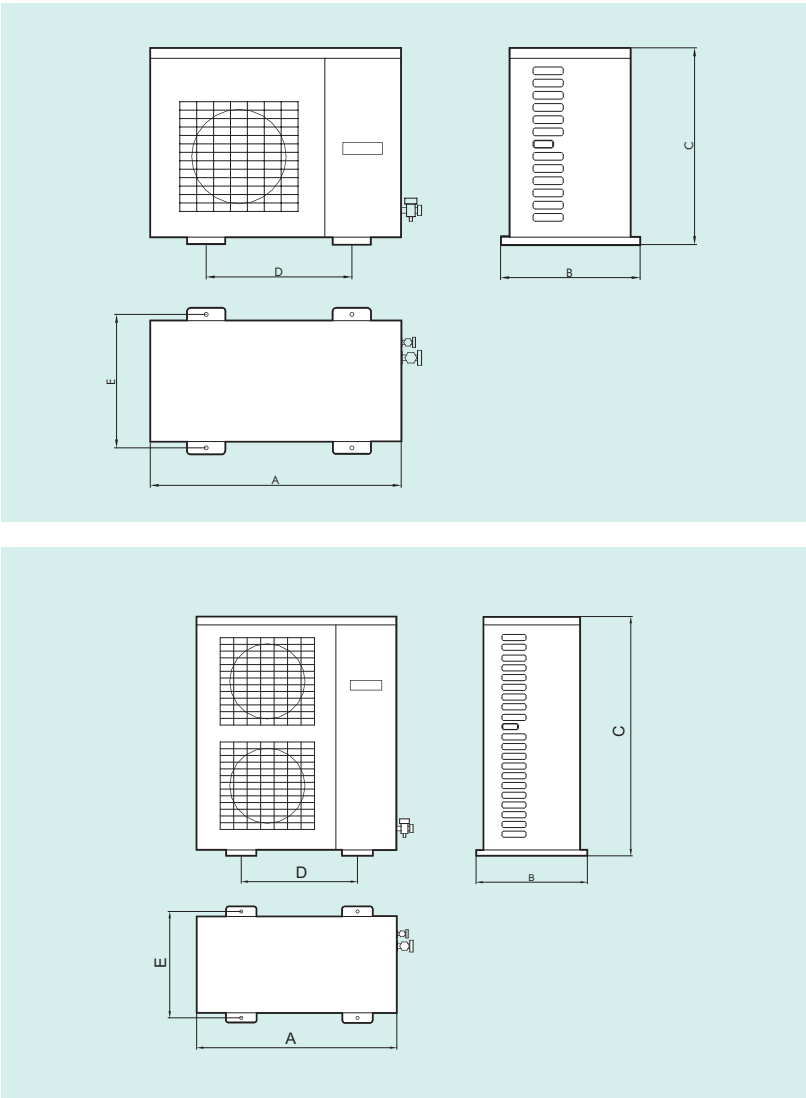
Model	H(mm)
GKH18K3BI	230
GKH24K3BI	260
GKH36K3BI GKH42K3BI GKH48K3BI	320

Ceiling Type



7 DIMENSIONAL DATA

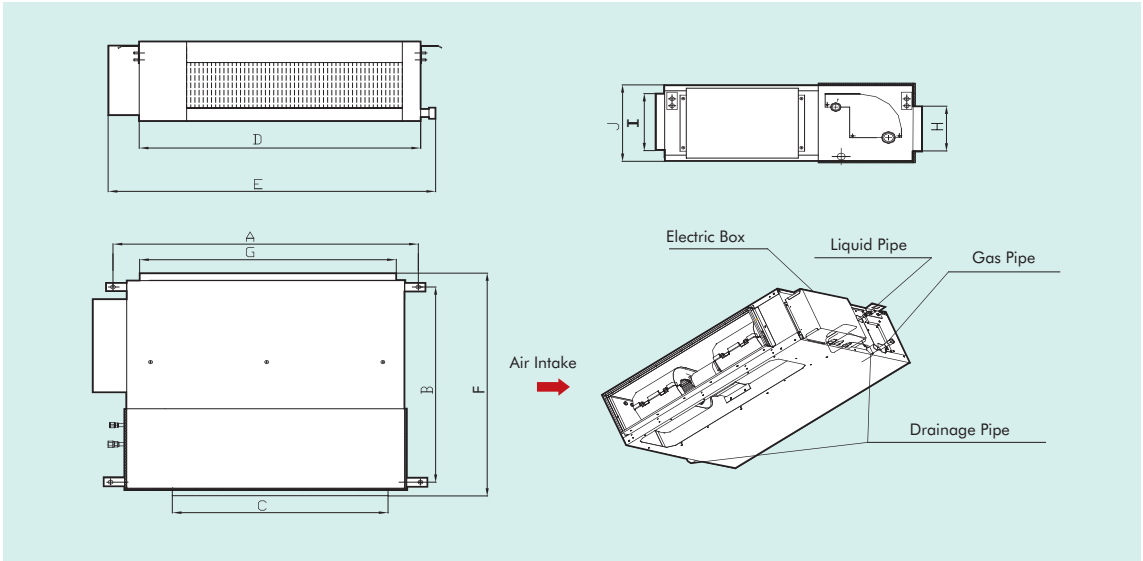
7.1 Dimensional Data – Condensing Units



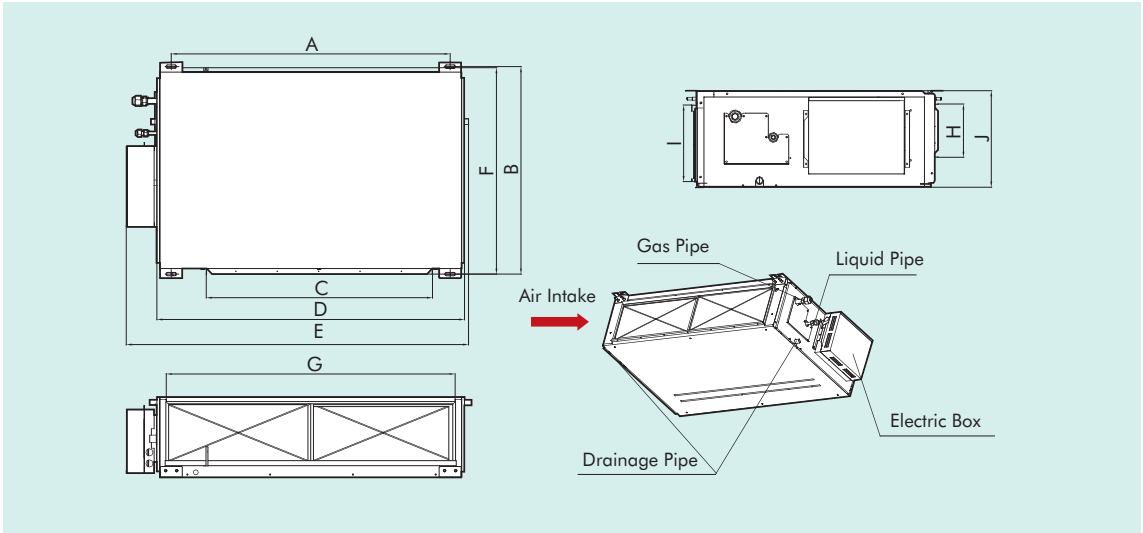
Model	GUHN09NK3AO GUHN12NK3AO GUHN18NK3AO	GUHN24NK3AO	GUHN36NK3AO GUHN36NM3AO	GUHN42NM3AO GUHN48NM3AO GUHN60NM3AO
A	760	913	1018	950
B	320	412	412	412
C	530	680	840	1250
D	540	572	572	572
E	286	378	378	378

7.2 Dimensional Data – Indoor Units

Duct type (2.6-5kw)

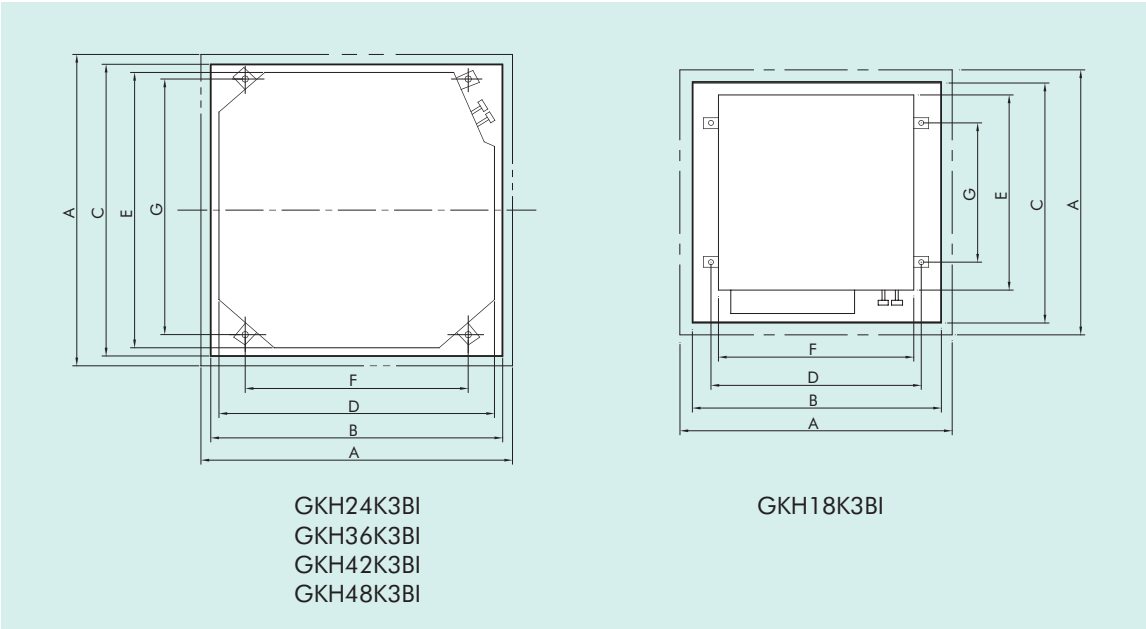


Duct type (7-16kw)



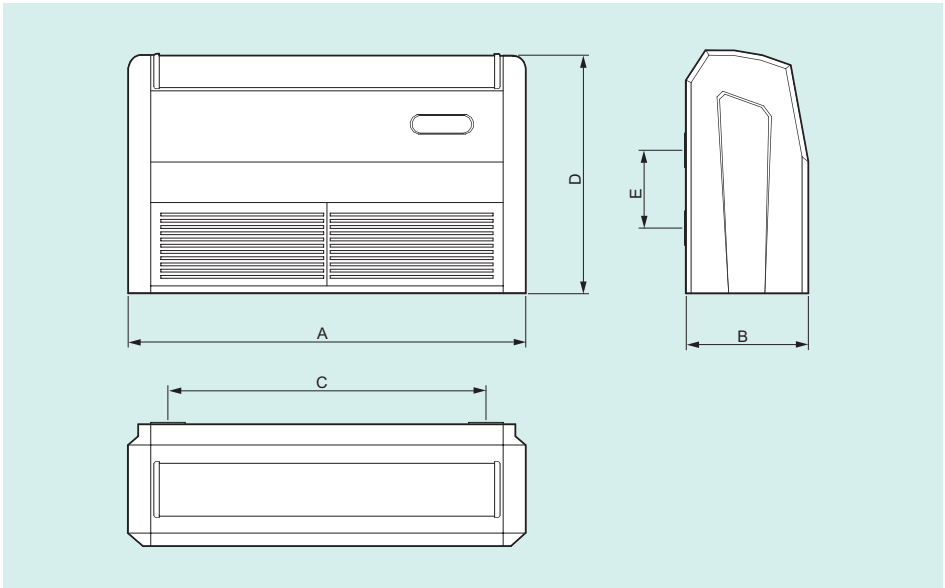
Model	A	B	C	D	E	F	G	H	I	J
GFH09K3BI	856	571	515	790	913	680	750	100	172	220
GFH12K3BI	932	430	738	894	1012	736	738	125	207	266
GFH18K3BI	1101	515	820	1159	1270	504	1002	160	235	268
GFH36K3BI	1011	748	820	1115	1251	744	980	160	231	290
GFH42K3BI	1015	788	820	1115	1251	788	980	160	261	330
GFH48K3BI										
GFH60K3BI										

Cassteet Type



Model	Item	A	B	C	D	E	F	G
GKH18K3BI		650	640	646	606	580	580	400
GKH24K3BI		950	890	890	840	840	680	780
GKH36K3BI								
GKH42K3BI								
GKH48K3BI								

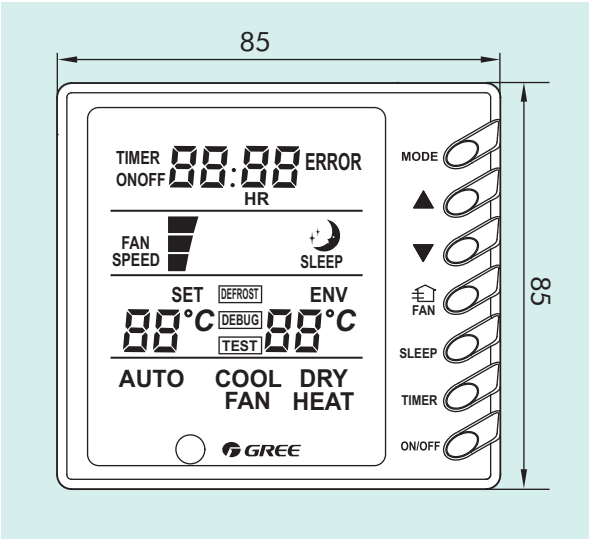
Ceiling Type



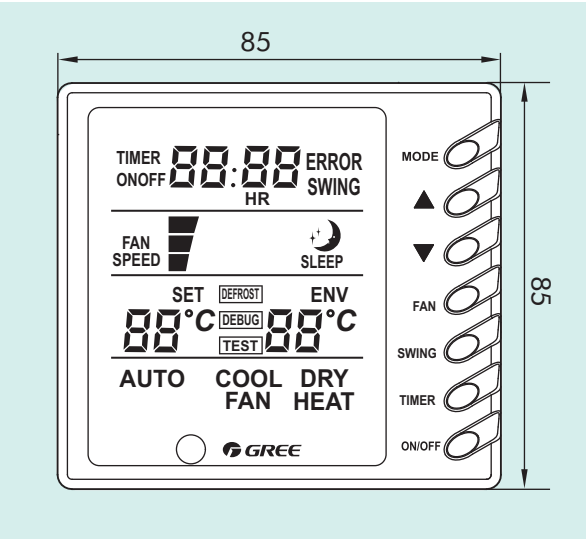
Mode	A	B	C	D	E
GTH09K3BI	836	238	745	695	260
GTH12K3BI					
GTH18K3BI					
GTH24K3BI	1300	188	1202	600	260
GTH36K3BI	1590	238	1491	695	260
GTH42K3BI					
GTH48K3BI					

7.3 Dimensional Data – Controller

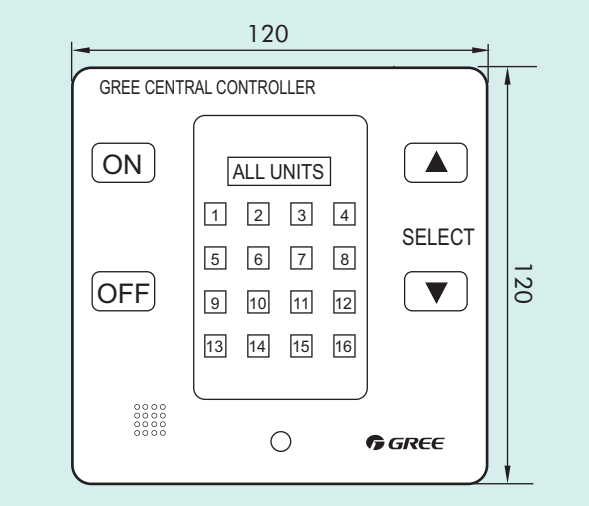
Wired Controller(Duct type)



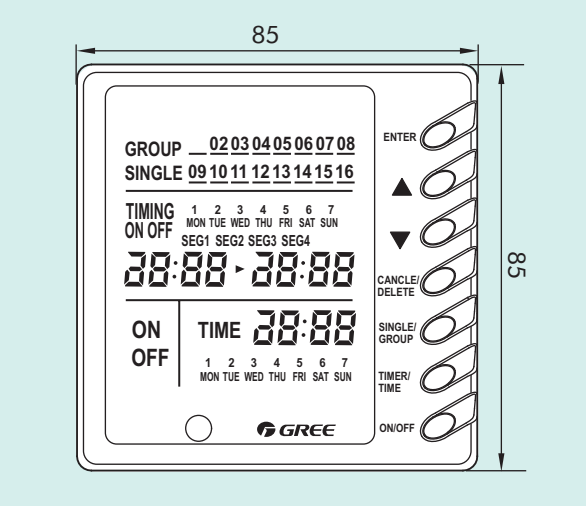
Wired Controller(Cassette type and Ceiling type)



Centralized Controller(Optional)



Note: The controller is not with the week timer and memory restart function .

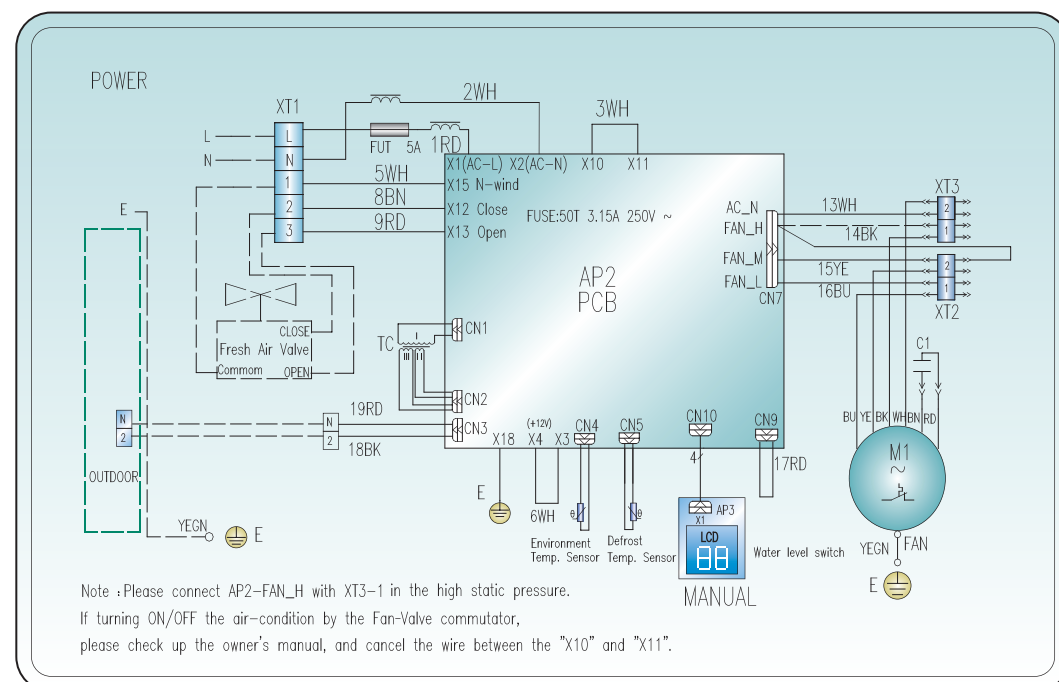


Note: The controller is with the week timer and memory restart function.

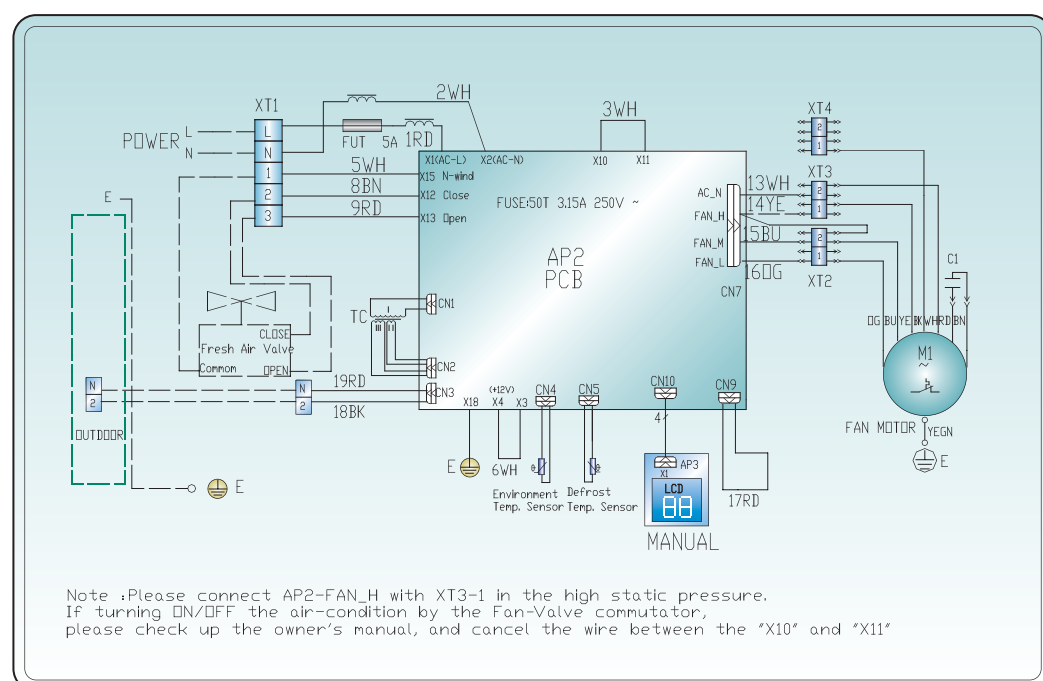
8 WIRING DIAGRAM

8.1 Wiring Diagram-Indoor Units

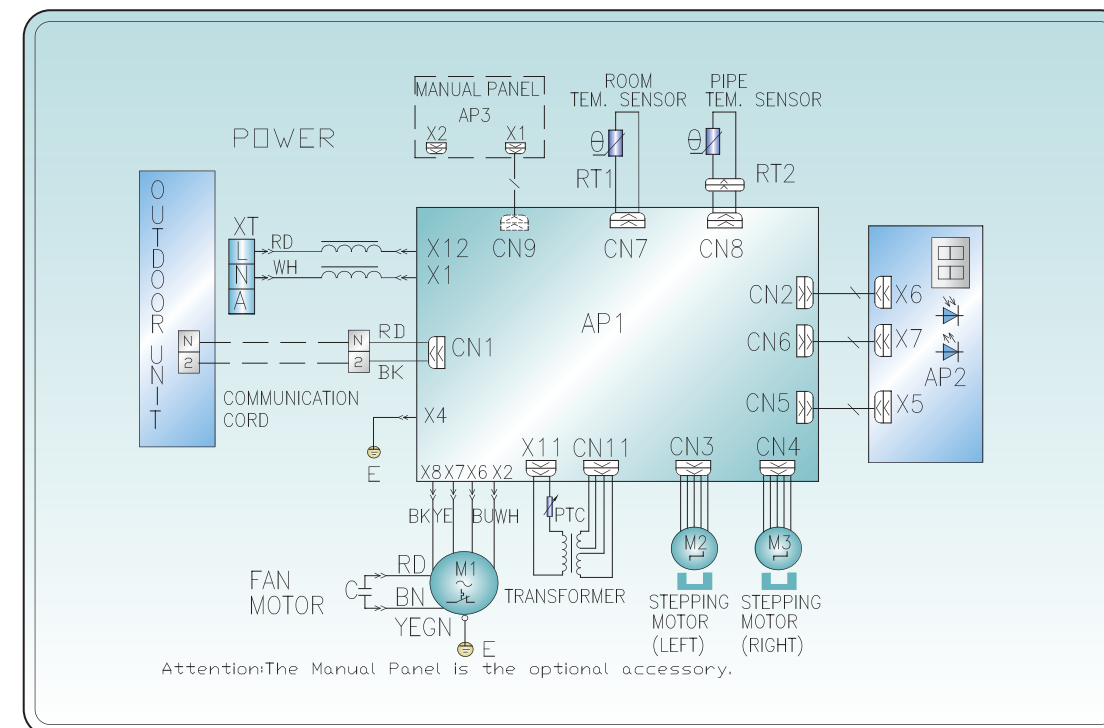
GFH09K3BI, GFH12K3BI, GFH24K3BI, GFH36K3BI, GFH42K3BI, GFH48K3BI, GFH60K3BI



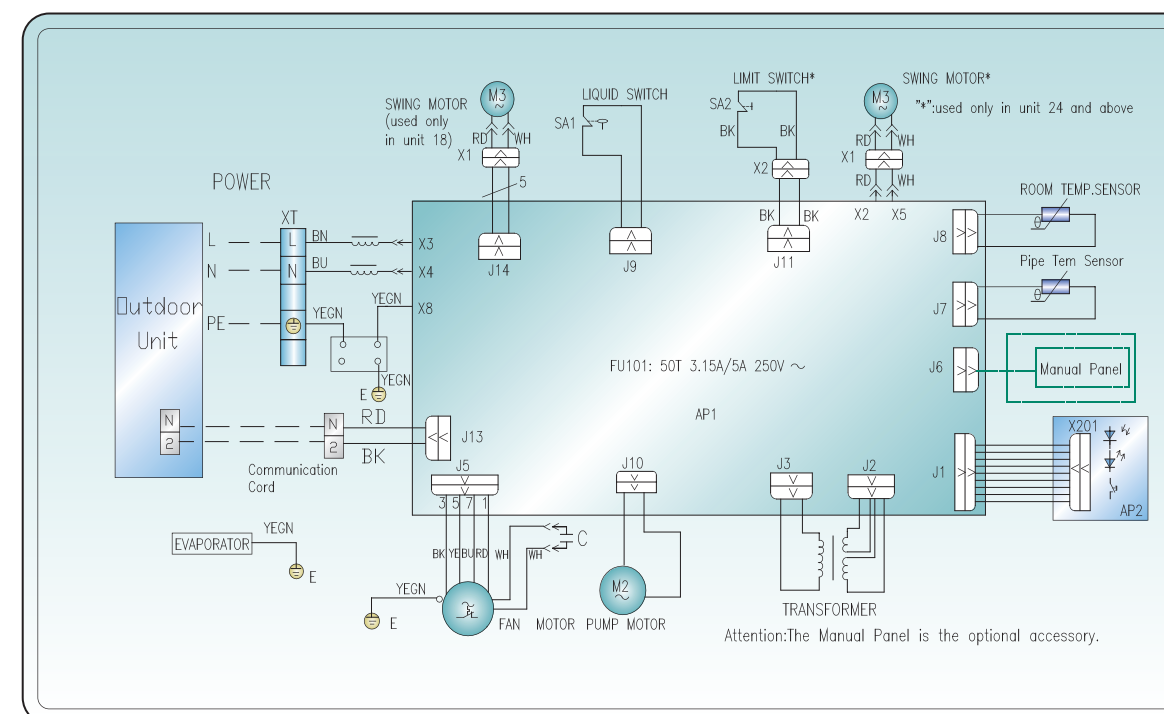
GFH18K3AI



GTH09K3BI, GTH12K3BI, GTH18K3BI, GTH24K3BI, GTH36K3BI, GTH42K3BI, GTH48K3BI



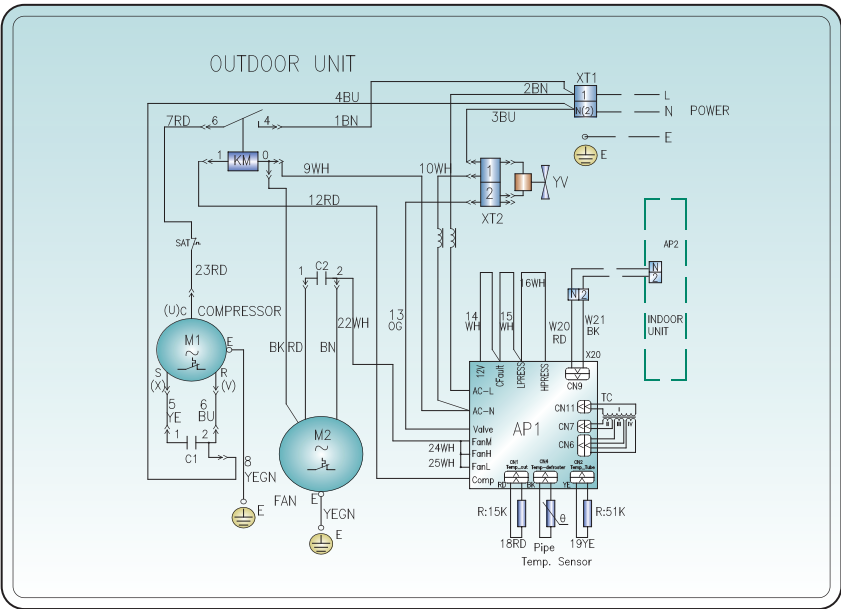
GKH18K3BI, GKH24K3BI, GKH36K3BI, GKH42K3BI, GKH48K3BI



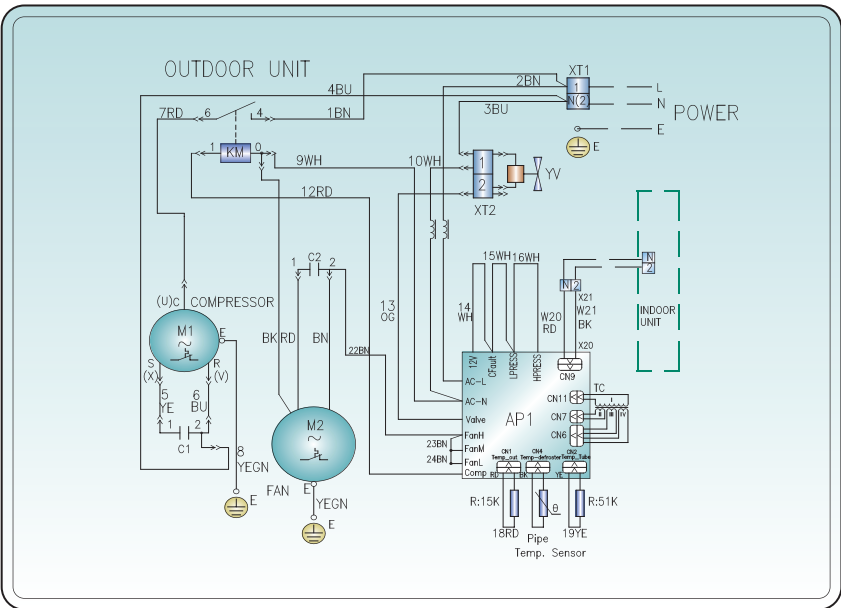
MODEL	SECTIONAL AREA OF POWER CORD(mm ²)
GFH09K3BI、GFH12K3BI、GFH18K3BI、GFH24K3BI、 GFH36K3BI、GFH42K3BI、GFH48K3BI、GFH60K3BI	RV90 1.5
GTH09K3BI、GTH12K3BI、GTH18K3BI、GTH24K3BI、 GTH36K3BI、GTH42K3BI、GTH48K3BI	RV90 1.5
GKH18K3BI、GKH24K3BI、GKH36K3BI、GKH42K3BI、 GKH48K3BI	RV90 1.5

8.2 Wiring Diagram-Condensing Units

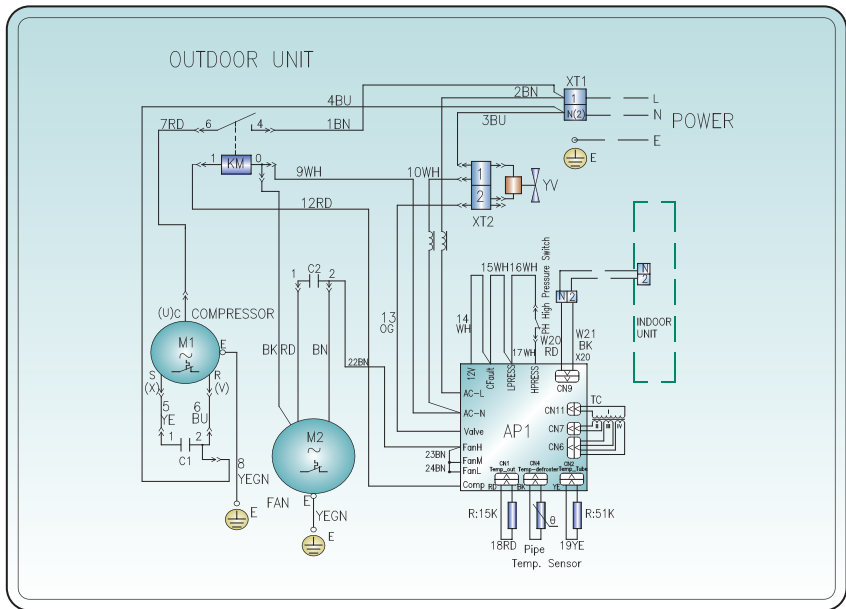
GUHN09NK3AO



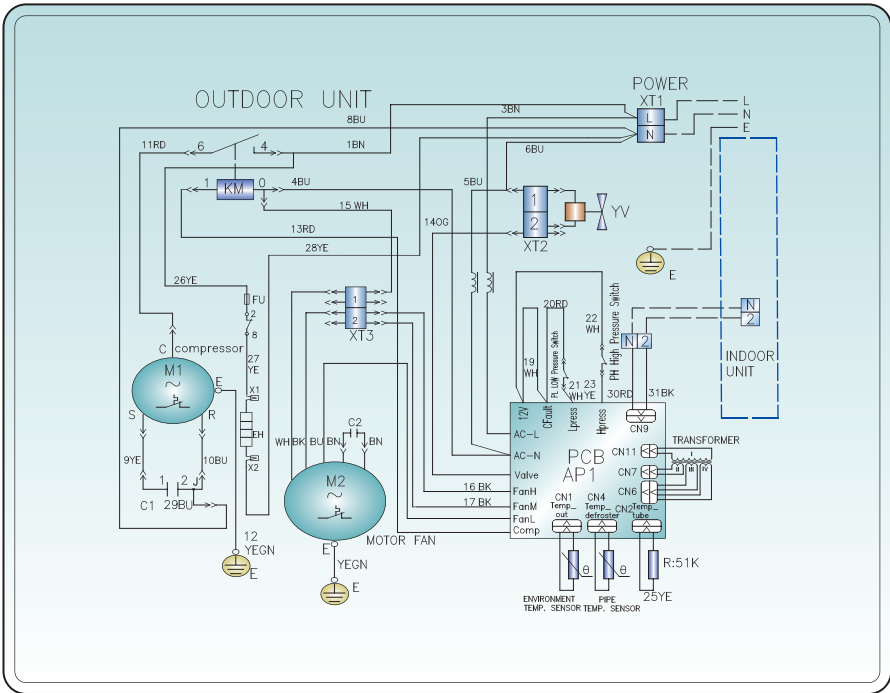
GUHN12NK3AO



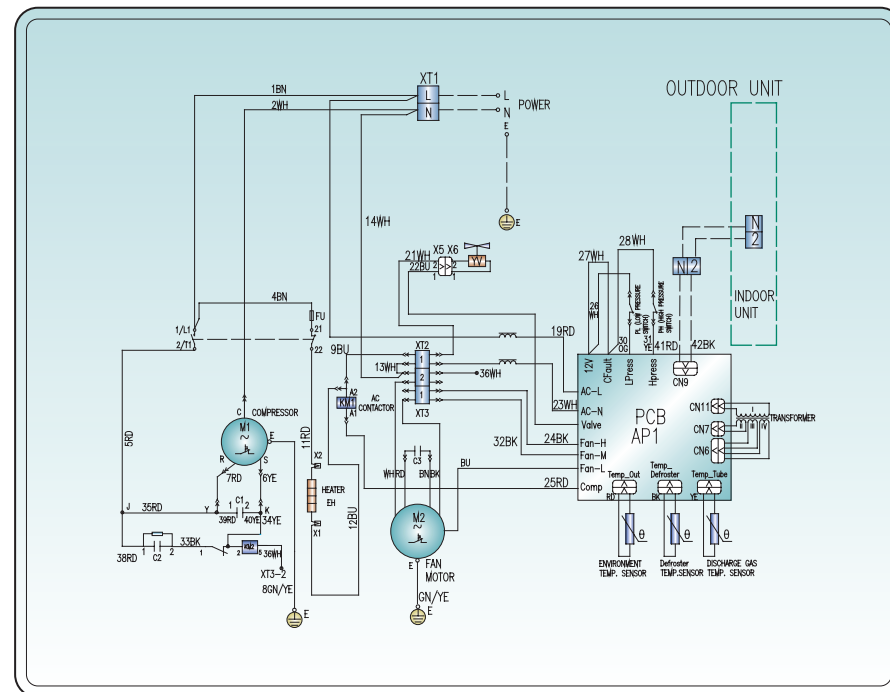
GUHN18NK3AO



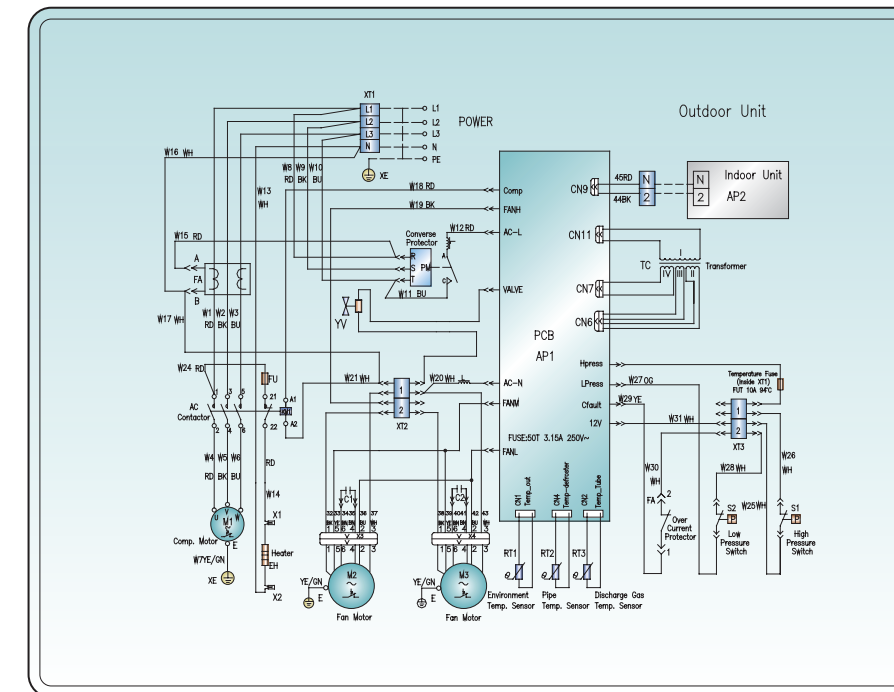
GUHN24NK3AO



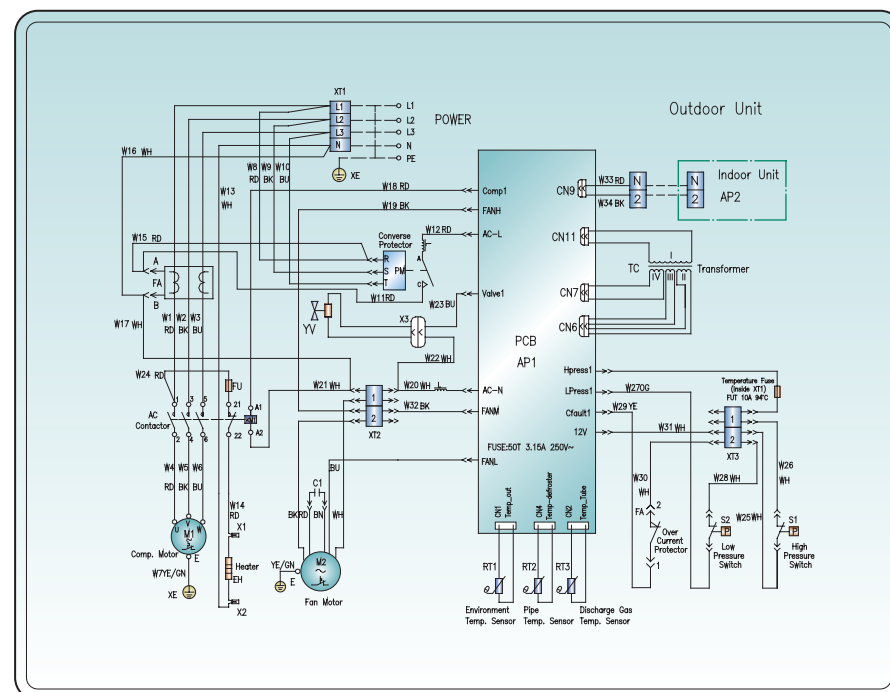
GUHN36NK3AO



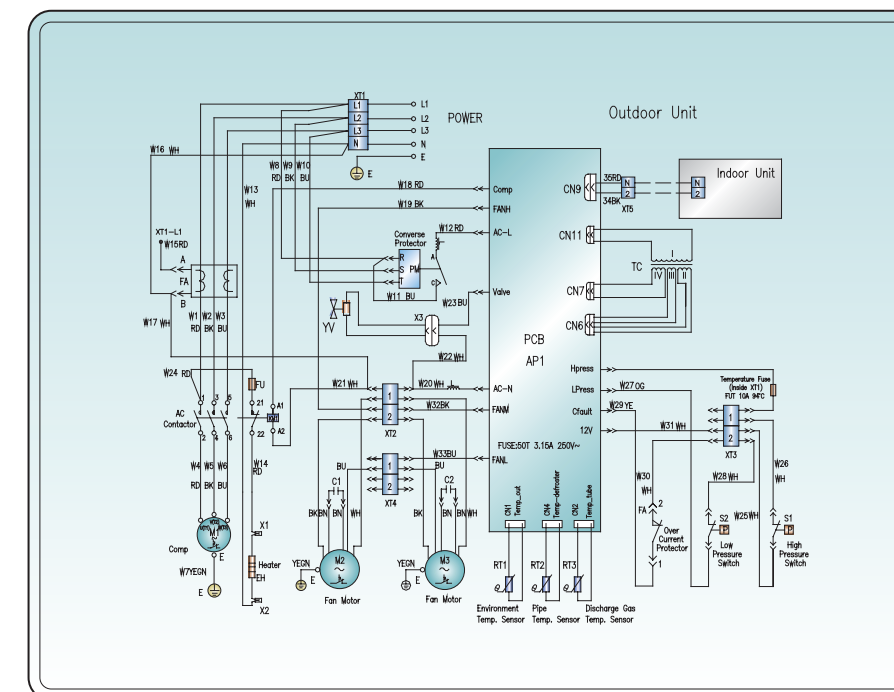
GUHN42NM3AO



GUHN36NM3AO



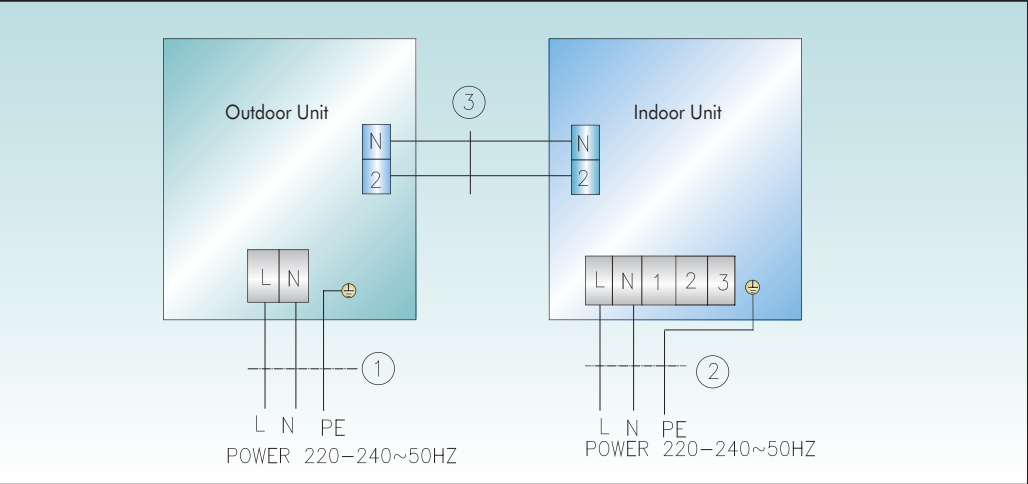
GUHN48NM3AO、GUHN60NM3AO



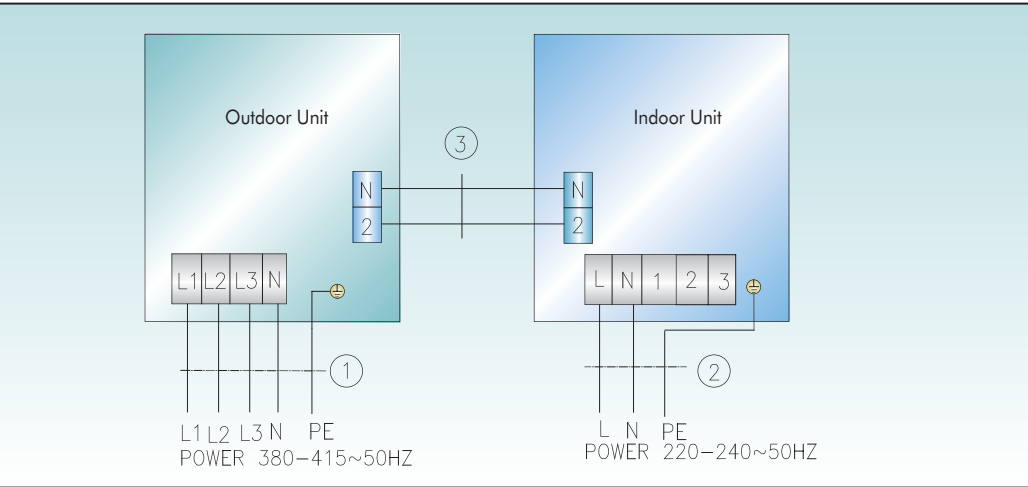
MODEL	SECTIONAL AREA OF POWER CORD(mm ²)
GUHN09NK3AO、GUHN12NK3AO、 GUHN18NK3AO、GUHN24NK3AO	RV90 2.5
GUHN36NK3AO、GUHN42NK3AO、	RV90 6.0
GUHN36NM3AO、GUHN42NM3AO、 GUHN48NM3AO、GUHN60NM3AO	RV90 4.0

8.3 Field Wiring Diagrams

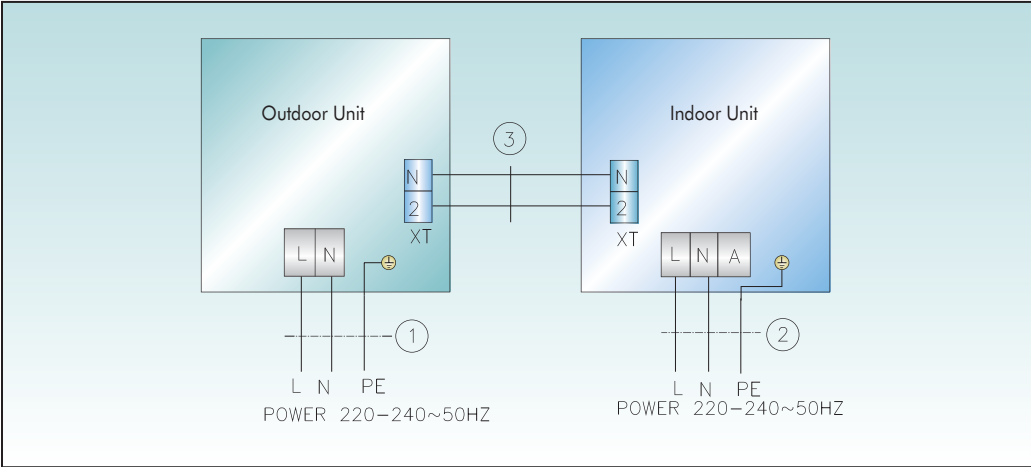
**GUHN09NK3AO+GFH09K3BI、GUHN12NK3AO+GFH12K3BI、
GUHN18NK3AO+GFH18K3BI、GUHN24NK3AO+GFH24K3BI、
GUHN36NK3AO+GFH36K3BI**



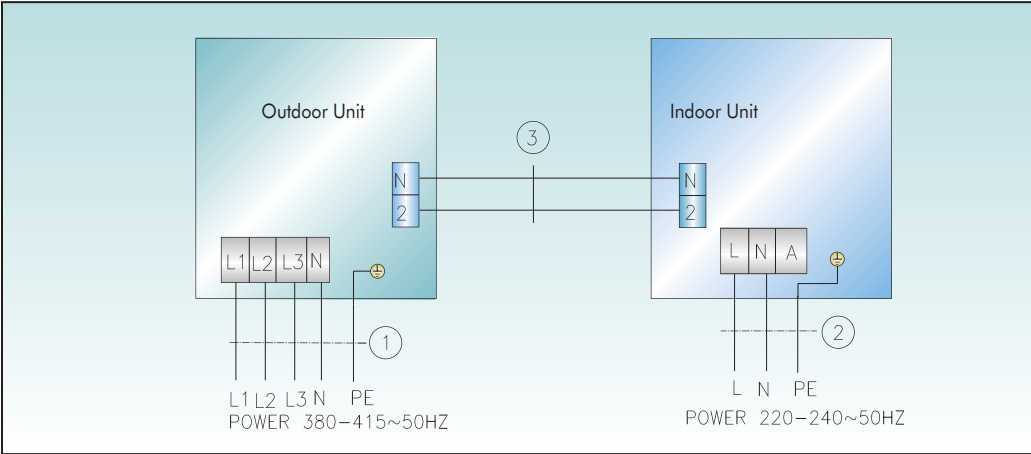
**GUHN36NM3AO+GFH36K3BI、GUHN42NM3AO+GFH42K3BI、
GUHN48NM3AO+GFH48K3BI、GUHN60NM3AO+GFH60K3BI**



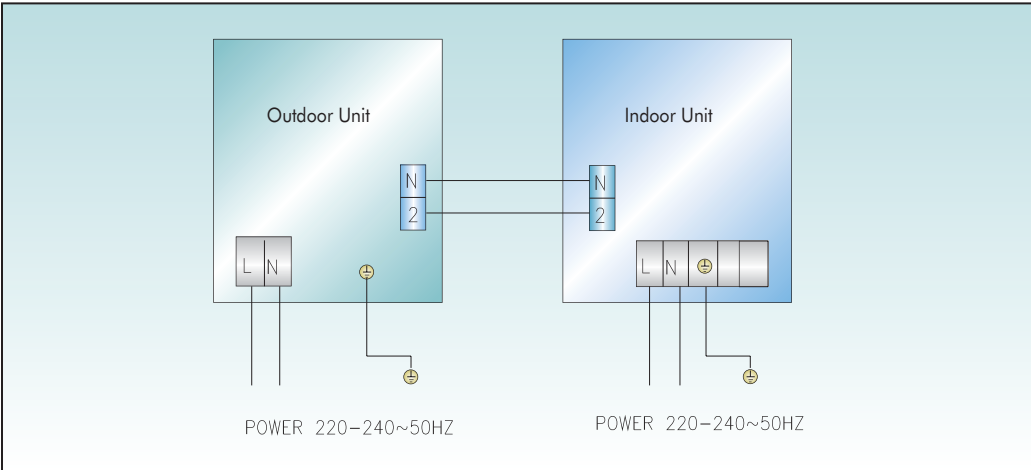
**GUHN09NK3AO+GTH09K3BI、GUHN12NK3AO+GTH12K3BI、GUHN18NK3AO+GTH18K3BI、
GUHN24NK3AO+GTH24K3BI、GUHN36NK3AO+GTH36K3BI**



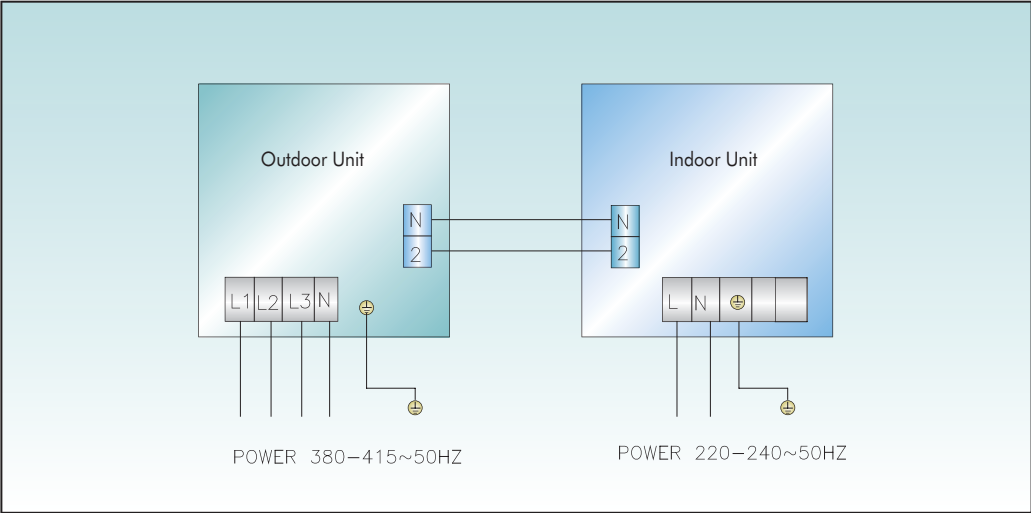
GUHN36NM3AO+GTH36K3BI、GUHN42NM3AO+GTH42K3BI、GUHN48NM3AO+GTH48K3BI



**GUHN09NK3AO+GTH09K3BI、GUHN12NK3AO+GTH12K3BI、GUHN18NK3AO+GTH18K3BI、
GUHN24NK3AO+GTH24K3BI、GUHN36NK3AO+GTH36K3BI**



GUHN36NM3AO+GTH36K3BI、GUHN42NM3AO+GTH42K3BI、
GUHN48NM3AO+GTH48K3BI



MODEL	SECTIONAL AREA OF POWER CORD(mm²)
GUHN09NK3AO+GFH09K3BI GUHN12NK3AO+GFH12K3BI GUHN18NK3AO+GFH18K3BI GUHN24NK3AO+GFH24K3BI	RV90 2.5+ RV90 1.5
GUHN36NK3AO+GFH36K3BI	RV90 6.0+ RV90 1.5
GUHN36NM3AO+GFH36K3BI GUHN42NM3AO+GFH42K3BI GUHN48NM3AO+GFH48K3BI GUHN60NM3AO+GFH60K3BI	RV90 4.0+ RV90 1.5
GUHN09NK3AO+GTH09K3BI GUHN12NK3AO+GTH12K3BI GUHN18NK3AO+GTH18K3BI GUHN24NK3AO+GTH24K3BI	RV90 2.5+ RV90 1.5
GUHN36NK3AO+GTH36K3BI	RV90 6.0+ RV90 1.5
GUHN36NM3AO+GTH36K3BI GUHN42NM3AO+GTH42K3BI GUHN48NM3AO+GTH48K3BI	RV90 4.0+ RV90 1.5
GUHN09NK3AO+GTH09K3BI GUHN12NK3AO+GTH12K3BI GUHN18NK3AO+GTH18K3BI GUHN24NK3AO+GTH24K3BI	RV90 2.5+ RV90 1.5
GUHN36NK3AO+GTH36K3BI	RV90 6.0+ RV90 1.5
GUHN36NM3AO+GTH36K3BI GUHN42NM3AO+GTH42K3BI GUHN48NM3AO+GTH48K3BI	RV90 4.0+ RV90 1.5

9 ACCESSORIES

(1) Indoor Unit

Model name	Standard	Option
GFH09K3AI GFH12K3AI GFH18K3AI	Wire controller	Week timer Centralized control and week timer Remote controller Batteries
GFH24K3BI GFH36K3BI GFH42K3BI GFH48K3BI GFH60K3BI	Wire controller Water pump	Week timer Centralized control and week timer Remote controller Batteries
GTH09K3BI GTH12K3BI GTH18K3BI GTH24K3BI GTH36K3BI GTH42K3BI GTH48K3BI	Remote controller batteries	Week timer Centralized control and week timer Wire controller
GKH18K3BI GKH24K3BI GKH36K3BI GKH42K3BI GKH48K3BI	Remote controller batteries	Week timer Centralized control and week timer Wire controller

(2) Outdoor Unit

Model name	Standard	Option
GUHN09NK3AO GUHN12NK3AO GUHN18NK3AO GUHN24NK3AO GUHN36NK3AO GUHN36NM3AO GUHN42NM3AO GUHN48NM3AO GUHN60NM3AO	/	Low temperature cooling motherboard