

## TECHNICAL SPECIFICATIONS

# FS4BG Series

iQ Drive®

## Ultra High Efficiency Air Conditioner 20 SEER Residential System 2-5 Ton Capacities

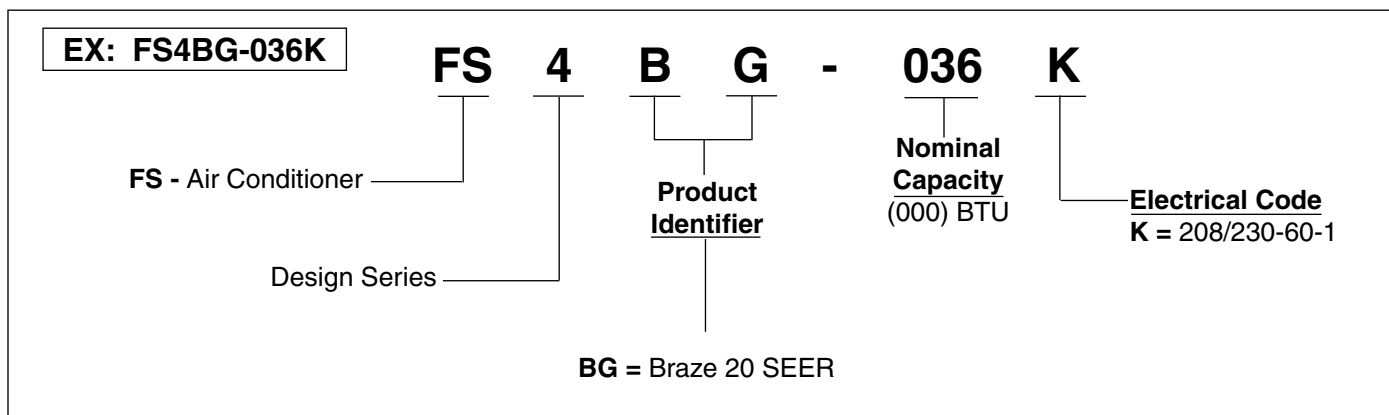
The iQ Drive® air conditioner system features modulating compressor technology and variable speed indoor and outdoor fan motors. This system is controlled from a two stage cooling and heating thermostat. The system has the capability of adding up to 18% of additional cooling above the rated capacity. The air handler has de-humidification capabilities from the thermostat or duct mounted humidistat.



## FEATURES and BENEFITS

- **iQ Drive®:** Inverter driven Samsung rotary compressor provides five capacities in modulating operation from a two stage thermostat.
- **Interface Control Board:** Two digit LED provides system operation, status and diagnostic troubleshooting information.
  - **System Control:** Utilizes a Nortek Global HVAC patented capacity control algorithm to select the optimum system capacity level.
  - **System Protection:** Internal controls monitor system operation to protect the inverter drive and compressor.
  - **Cooling operating temperature range:** 50 °F to 125 °F.
  - **Five Minute Restart Time Delay:** When the unit shuts down, a delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Compressor and Component Access:** Designed to make servicing easier for the contractor, hinge access panels are provided to all controls and the compressor.
- **High Efficiency with the low Sound Levels:** 20 SEER with sound ratings of 57-76 depending upon operating conditions.
- **Compressor Sound Blanket:** Engineered to significantly reduce unwanted compressor noise.
- **Variable Speed Condenser Motor and Swept-Wing Fan Blade:** A heavy duty brushless DC motor for long lasting reliability and engineered to provide quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Service Port:** This port allows the contractor to read the suction pressure in all modes of operation without removing any panels, saving time and increasing serviceability.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Low Pressure Switch:** Protects against loss of system refrigerant charge.
- **Liquid Line Filter Drier:** Included with unit, field installed.
- **Micro-Channel Coils:** All-Aluminum coils are designed to optimize heat transfer, and increase durability and reliability.
- **Louvered Condenser Guard:** Durable metal guard protects the coil from yard hazards and extreme weather.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite pan is also stronger and lighter than steel.
- **Corrosion Resistance:** Designed using galvanized steel with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **One Piece Top/Orifice:** Designed for maximum airflow and quiet operation.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.

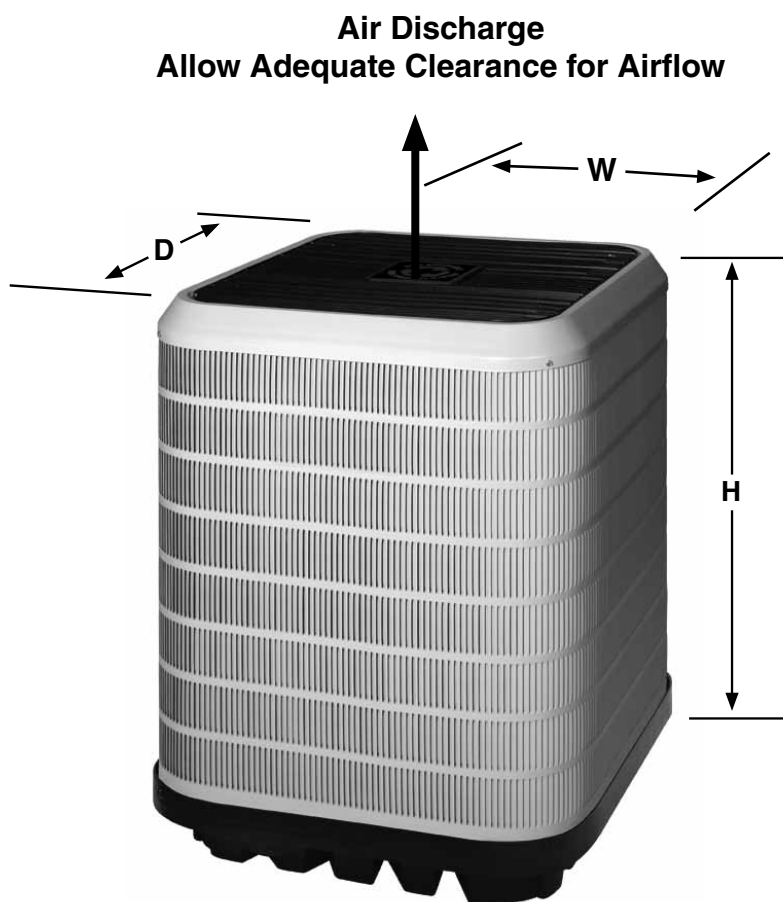
## MODEL IDENTIFICATION CODES



## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

FS4BG	024K	036K	048K	060K
H	37	37	45	45
W	22 1/2	30 1/2	30 1/2	30 1/2
D	22 1/2	30 1/2	30 1/2	30 1/2



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## FS4BG Series Residential Split System Air Conditioner

20 SEER

Model Number FS4BG-		024K	036K	048K	060K	
<b>ELECTRICAL DATA</b>	Volts-Cycles-Phase <sup>(1)</sup>	208/230-60-1				
	Total Amps	11.9	17.3	18.9	28.8	
	Delay Fuse Max. <sup>(2)</sup>	20	35	35	60	
	Min. Circuit Ampacity	14.2	21	23	35.1	
	Field Control Wiring Connections (24 vac from thermostat/indoor side)	R, C, Y1, Y2				
<b>CONDENSER DATA</b>	Coil	Area (ft <sup>2</sup> )	13.3	20.4	24.8	24.8
		Rows - FPI	1-23	1-18	1-23	1-23
		Tube Diam	MC	MC	MC	MC
	Fan Motor	Type	Brushless DC			
		Amps	2.6	2.6	2.6	3.8
		HP	1/3	1/3	1/3	1/2
	Compressor Data	RLA	9.3	14.7	16.3	25
		LRA	N/A	N/A	N/A	N/A
	Service Valves	Liquid Side	3/8"	3/8"	3/8"	3/8"
		Vapor Side	3/4"	7/8"	7/8"	7/8"
<b>Installation Refrigerant Vapor Line Size (All liquid lines 3/8" OD)</b>	0 - 24 ft. equiv.	3/4"	7/8"	7/8"	7/8"	
	25 - 39 ft. equiv.	3/4"	7/8"	1-1/8"	1-1/8"	
	40 - 75 ft. equiv. <sup>(4)</sup>	7/8"	1-1/8"	1-1/8"	1-1/8"	
	75 - 100 ft. equiv. <sup>(4)</sup>	1-1/8"	1-1/8"	1-1/8"	1-1/8"	
<b>Refrigerant Charge (oz.), 15 ft. line set (factory charge)</b>		78 <sup>(3)</sup>	93 <sup>(3)</sup>	110 <sup>(3)</sup>	123 <sup>(3)</sup>	
<b>Weight, lbs. (approximate)</b>	As shipped	149	197	225	240	
	Net	136	178	205	220	
<b>Sound Level dB</b>	Minimum	57	60	61	63	
	Maximum	68	68	72	76	

(1) Operating Voltage Range: 187 vac min. to 253 vac max.

(2) HACR Type circuit breakers may be used.

(3) Additional charge for longer line sets as follows (with 3/8" liquid lines):

3/4" vapor line: 0.6 oz per additional foot

7/8" vapor line: 0.7 oz per additional foot

1-1/8" vapor line: 0.8 oz per additional foot

Minimum outdoor temperature for cooling is 50°F.

(4) Refrigerant Tubing Limitations-The compressor manufacturer imposes a maximum equivalent line set length of 100 ft. Furthermore, vertical elevation shall not exceed 50 ft.

See current AHRI Directory for certified combinations and ratings.

[www.ahridirectory.org](http://www.ahridirectory.org)

COPPER WIRE SIZE — AWG (1% Voltage Drop)				
Supply Wire Length-Feet				Supply Circuit
200	150	100	50	Ampacity
6	8	10	14	15
4	6	8	12	20
4	6	8	10	25
4	4	6	10	30
3	4	6	8	35
3	4	6	8	40
2	3	4	6	45
2	3	4	6	50

Wire Size based on N.E.C. for 60° type copper conductors.

# SYSTEM CAPACITIES AND MATCHES

## 20 SEER Ultra High Efficiency Air Conditioners

Model Number	Indoor Model Number	Furnace Model Number	Capacity	SEER	EER	CFM 2nd Stg	CFM 1st Stg
FS4BG-024K	C7BHMx24C-B	FG7MQ(*)-VB	23,600	20	13.5	810	540
FS4BG-024K	C7BHMx24C-B	FG7S(*)-B+(*)SHE	23,600	20	13.5	810	540
FS4BG-024K	C7BHMx24C-B	FG7T(*)-VB	23,600	20	13.5	810	540
FS4BG-024K	C7BHMx24C-B	MB7VM-1600-B	23,600	20	13.5	810	540
FS4BG-024K	B6VMMx24K-B		23,600	20	13.5	810	540
FS4BG-024K	B6VMMx24K-B		23,600	20	13.5	810	540
FT4BG-036K	C7BHMx36C-B	FG7MQ(*)-VB	35,000	20	12.5	1050	700
FS4BG-036K	C7BHMx36C-B	FG7S(*)-B+(*)SHE	35,000	20	12.5	1050	700
FS4BG-036K	C7BHMx36C-B	FG7T(*)-VB	35,000	20	12.5	1050	700
FS4BG-036K	C7BHMx36C-B	MB7VM-1600-B	35,000	20	12.5	1050	710
FS4BG-036K	B6VMMx36K-B		35,000	20	12	1050	710
FS4BG-036K	B6VMMx36K-B		35,000	20	12	1050	710
FS4BG-036K	C7BHMx36C-C	FG7MQ(*)-VB	35,000	20	13	1090	730
FS4BG-036K	C7BHMx36C-C	FG7S(*)-C+(*)SHE	35,000	20	13	1090	730
FS4BG-036K	C7BHMx36C-C	FG7T(*)-VC	35,000	20	13	1090	730
FS4BG-048K	C7BHMx48C-C	FG7MQ(*)-VC	45,500	20	12.5	1480	990
FS4BG-048K	C7BHMx48C-C	FG7S(*)-C+(*)SHE	45,500	20	12.5	1480	990
FS4BG-048K	C7BHMx48C-C	FG7T(*)-VC	45,500	20	12.5	1480	990
FS4BG-048K	C7BHMx48C-C	MB7VM-2000-C	45,500	20	12.5	1480	990
FS4BG-048K	B6VMMx48K-C		46,000	20	13	1480	990
FS4BG-048K	B6VMMx48K-C		46,000	20	13	1480	990
FS4BG-048K	C7BHMx48C-D	FG7MQ(*)-VD	46,000	20	13	1480	990
FS4BG-048K	C7BHMx48C-D	FG7S(*)-D+(*)SHE	46,000	20	13	1480	990
FS4BG-048K	C7BHMx48C-D	FG7T(*)-VD	46,000	20	13	1480	990
FS4BG-060K	C7BHMx60C-C	FG7MQ(*)-VC	54,500	20	11.7	1675	1120
FS4BG-060K	C7BHMx60C-C	FG7S(*)-C+(*)SHE	54,500	20	11.7	1675	1120
FS4BG-060K	C7BHMx60C-C	FG7T(*)-VC	54,500	20	11.7	1675	1120
FS4BG-060K	C7BHMx60C-C	MB7VM-2000-C	54,500	20	11.7	1675	1120
FS4BG-060K	B6VMMx60K-C		55,500	20	12.5	1675	1120
FS4BG-060K	B6VMMx60K-C		55,500	20	12.5	1675	1120
FS4BG-060K	C7BHMx60C-D	FG7MQ(*)-VD	55,500	20	12	1675	1120
FS4BG-060K	C7BHMx60C-D	FG7S(*)-D+(*)SHE	55,500	20	12	1675	1120
FS4BG-060K	C7BHMx60C-D	FG7T(*)-VD	55,500	20	12	1675	1120

**Note:** Conditions for Nominal Capacity rating are 80°F dry bulb temperature, 67°F wet bulb temperature (approximately 51% RH) indoors, 95°F outdoor ambient temperature. Minimum outdoor temperature for cooling is 50°F.

See current AHRI Directory for certified combinations and ratings.

[www.ahridirectory.org](http://www.ahridirectory.org)











# COOLING EXPANDED RATINGS WITH COIL

## First Stage Low Speed (C1) Cooling

### FS4BG-024K with FG7 (Variable Speed) and C7BHMx24C-B Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
470	80	62	10.90	10.67	0.31	10.45	10.21	0.39	9.98	9.75	0.47	9.49	9.28	0.56	8.97	8.79	0.69	8.43	8.29	0.78
	80	67	11.51	9.46	0.30	10.91	9.21	0.39	10.32	8.95	0.48	9.71	8.70	0.56	9.11	8.43	0.70	8.51	8.15	0.78
	80	72	12.73	7.35	0.28	12.12	7.08	0.37	11.47	6.84	0.46	10.78	6.63	0.55	10.05	6.42	0.69	9.28	6.21	0.78
	75	62	10.55	9.11	0.33	10.01	8.91	0.41	9.46	8.67	0.49	8.88	8.37	0.57	8.29	8.02	0.71	7.69	7.62	0.79
550	80	62	11.43	11.19	0.31	10.96	10.71	0.40	10.45	10.22	0.48	9.92	9.70	0.56	9.35	9.16	0.70	8.76	8.59	0.79
	80	67	11.80	10.38	0.31	11.22	10.17	0.40	10.62	9.91	0.48	9.98	9.59	0.57	9.32	9.23	0.71	8.63	8.63	0.79
	80	72	12.92	7.92	0.29	12.28	7.67	0.38	11.62	7.44	0.47	10.94	7.22	0.56	10.23	7.00	0.70	9.50	6.77	0.79
	75	62	10.88	9.96	0.34	10.33	9.76	0.42	9.76	9.47	0.50	9.19	9.09	0.58	8.60	8.60	0.72	8.01	8.01	0.80
630	80	62	11.97	11.71	0.31	11.46	11.22	0.40	10.92	10.68	0.49	10.34	10.12	0.57	9.73	9.52	0.72	9.08	8.88	0.80
	80	67	11.99	11.24	0.31	11.45	10.94	0.40	10.86	10.64	0.49	10.22	10.22	0.57	9.53	9.53	0.72	8.80	8.80	0.81
	80	72	13.11	8.50	0.30	12.45	8.28	0.39	11.78	8.06	0.48	11.10	7.83	0.57	10.41	7.59	0.71	9.72	7.34	0.80
	75	62	11.20	10.84	0.34	10.64	10.64	0.42	10.07	10.07	0.51	9.49	9.49	0.59	8.91	8.91	0.73	8.32	8.32	0.81

## Second Stage Rating Speed (C4) Cooling

### FS4BG-024K with FG7 (Variable Speed) and C7BHMx24C-B Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
700	80	62	23.91	20.81	1.11	23.00	20.27	1.30	22.00	19.72	1.49	20.92	19.14	1.70	19.74	18.52	1.94	18.48	17.83	2.17
	80	67	26.84	18.38	1.09	25.68	17.96	1.28	24.40	17.43	1.48	23.12	16.87	1.68	21.95	16.37	1.90	21.03	16.03	2.12
	80	72	29.32	14.47	1.06	28.24	13.98	1.27	26.99	13.53	1.48	25.56	13.09	1.69	23.96	12.63	1.93	22.20	12.14	2.16
	75	62	24.63	17.46	1.10	23.70	17.06	1.28	22.63	16.58	1.48	21.42	16.02	1.69	20.07	15.35	1.93	18.59	14.57	2.17
820	80	62	24.69	22.48	1.15	23.69	21.88	1.34	22.66	21.25	1.54	21.61	20.59	1.75	20.54	19.90	1.99	19.45	19.16	2.22
	80	67	27.48	19.87	1.12	26.23	19.42	1.32	24.90	18.86	1.52	<b>23.59</b>	<b>18.26</b>	<b>1.72</b>	22.39	17.70	1.95	21.41	17.27	2.18
	80	72	30.10	15.47	1.10	28.91	15.01	1.31	27.56	14.54	1.52	26.07	14.07	1.74	24.45	13.57	1.98	22.73	13.05	2.21
	75	62	25.33	18.80	1.13	24.30	18.36	1.32	23.16	17.84	1.51	21.92	17.22	1.73	20.57	16.49	1.97	19.12	15.65	2.21
940	80	62	25.47	24.22	1.19	24.37	23.56	1.39	23.32	22.84	1.59	22.30	22.08	1.81	21.34	21.28	2.04	20.41	20.41	2.26
	80	67	28.11	21.40	1.15	26.78	20.93	1.35	25.41	20.34	1.55	24.07	19.70	1.77	22.84	19.07	2.00	21.78	18.53	2.23
	80	72	30.87	16.51	1.13	29.58	16.06	1.35	28.13	15.58	1.56	26.57	15.07	1.78	24.94	14.54	2.02	23.26	13.99	2.25
	75	62	26.03	20.19	1.16	24.90	19.71	1.35	23.69	19.14	1.55	22.42	18.45	1.77	21.07	17.67	2.02	19.64	16.77	2.26

## Boost Speed (C5) Cooling

### FS4BG-024K with FG7 (Variable Speed) and C7BHMx24C-B Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
700	80	62	26.20	21.78	1.31	25.19	21.27	1.51	24.04	20.72	1.73	22.83	20.18	1.97	21.66	19.70	2.23	20.60	19.36	2.51
	80	67	29.22	19.07	1.31	28.13	18.55	1.52	26.75	17.92	1.76	25.25	17.26	2.01	23.82	16.70	2.29	22.63	16.35	2.59
	80	72	32.24	15.62	1.27	31.01	15.07	1.50	29.66	14.55	1.74	28.19	14.04	2.00	26.57	13.52	2.28	24.78	12.96	2.57
	75	62	27.18	18.46	1.31	26.14	18.07	1.52	24.65	17.52	1.74	23.02	16.97	1.97	21.54	16.61	2.22	20.54	16.68	2.49
820	80	62	27.20	23.76	1.34	26.10	23.16	1.55	24.83	22.44	1.77	23.55	21.74	2.01	22.42	21.20	2.28	21.63	20.98	2.57
	80	67	30.03	20.58	1.35	28.92	20.08	1.55	27.63	19.53	1.78	26.19	18.93	2.04	24.62	18.26	2.33	22.92	17.51	2.64
	80	72	33.16	16.63	1.30	31.89	16.08	1.53	30.45	15.54	1.78	28.87	15.02	2.05	27.18	14.50	2.33	25.40	13.99	2.62
	75	62	27.93	19.87	1.35	26.80	19.34	1.55	25.40	18.75	1.78	23.88	18.16	2.02	22.41	17.70	2.27	21.17	17.46	2.55
940	80	62	28.20	25.84	1.38	27.01	25.13	1.58	25.62	24.23	1.81	24.26	23.36	2.06	23.19	22.75	2.33	22.66	22.66	2.63
	80	67	30.97	22.21	1.38	29.78	21.57	1.60	28.36	20.90	1.84	26.81	20.22	2.10	25.21	19.59	2.39	23.67	19.05	2.70
	80	72	34.09	17.67	1.34	32.77	17.12	1.57	31.23	16.57	1.82	29.55	16.03	2.09	27.78	15.52	2.37	26.02	15.05	2.68
	75	62	28.68	21.33	1.38	27.46	20.65	1.59	26.14	20.01	1.82	24.73	19.39	2.06	23.28	18.81	2.32	21.81	18.26	2.60

# COOLING EXPANDED RATINGS WITH COIL (CONTINUED)

## First Stage Low Speed (C1) Cooling FS4BG-036K with FG7 (Variable Speed) and C7BHM36C-B Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
630	80	62	16.40	15.88	0.50	15.63	15.30	0.62	14.88	14.66	0.74	14.14	13.96	0.86	13.42	13.21	1.14	12.70	12.43	1.26
	80	67	17.67	13.68	0.48	16.75	13.45	0.60	15.82	13.10	0.73	14.87	12.64	0.86	13.92	12.07	1.14	12.95	11.42	1.27
	80	72	19.56	10.60	0.44	18.69	10.31	0.57	17.74	9.99	0.70	16.71	9.64	0.83	15.61	9.24	1.11	14.42	8.80	1.24
	75	62	16.56	13.12	0.51	15.69	12.80	0.63	14.79	12.44	0.75	13.85	12.04	0.87	12.87	11.59	1.14	11.87	11.08	1.27
710	80	62	17.06	16.61	0.50	16.29	15.97	0.63	15.52	15.27	0.75	14.74	14.50	0.88	13.95	13.68	1.15	13.16	12.82	1.28
	80	67	17.99	14.66	0.49	17.05	14.41	0.61	16.10	14.04	0.74	15.14	13.55	0.87	14.16	12.95	1.15	13.17	12.26	1.28
	80	72	19.86	11.24	0.45	18.98	10.95	0.59	18.01	10.64	0.72	16.95	10.28	0.85	15.81	9.89	1.13	14.58	9.43	1.25
	75	62	16.89	14.04	0.52	15.99	13.66	0.64	15.06	13.27	0.76	14.10	12.87	0.89	13.11	12.43	1.16	12.10	11.94	1.29
790	80	62	17.72	17.34	0.51	16.95	16.64	0.64	16.15	15.87	0.76	15.33	15.04	0.89	14.48	14.15	1.16	13.61	13.21	1.29
	80	67	18.29	15.62	0.50	17.34	15.37	0.63	16.37	14.98	0.76	15.39	14.47	0.89	14.40	13.85	1.17	13.40	13.12	1.30
	80	72	20.16	11.90	0.47	19.26	11.61	0.60	18.27	11.29	0.74	17.19	10.94	0.87	16.01	10.54	1.14	14.74	10.07	1.27
	75	62	17.22	15.01	0.53	16.28	14.57	0.66	15.33	14.12	0.78	14.35	13.64	0.90	13.35	13.12	1.18	12.33	12.33	1.30

## Second Stage Rating Speed (C4) Cooling FS4BG-036K with FG7 (Variable Speed) and C7BHM36C-B Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
940	80	62	35.50	29.67	1.83	33.96	28.71	2.10	32.41	27.86	2.39	30.86	27.09	2.70	29.31	26.38	3.05	27.76	25.72	3.39
	80	67	38.92	25.58	1.79	37.70	25.26	2.07	36.22	24.70	2.36	34.50	23.88	2.69	32.52	22.82	3.06	30.30	21.50	3.44
	80	72	41.71	20.68	1.78	41.15	20.41	2.06	39.59	19.69	2.37	37.56	18.78	2.69	35.60	17.96	3.06	34.27	17.48	3.42
	75	62	36.31	24.78	1.81	34.69	24.05	2.09	33.08	23.30	2.38	31.49	22.54	2.69	29.90	21.77	3.04	28.32	20.98	3.39
1060	80	62	36.41	31.44	1.89	34.81	30.44	2.17	33.20	29.54	2.46	31.57	28.72	2.77	29.93	27.94	3.12	28.27	27.20	3.46
	80	67	39.49	26.80	1.86	38.26	26.54	2.13	36.78	26.01	2.43	<b>35.06</b>	<b>25.23</b>	<b>2.76</b>	33.08	24.17	3.14	30.85	22.85	3.51
	80	72	42.05	21.46	1.84	41.91	21.35	2.11	40.45	20.66	2.43	38.35	19.73	2.77	36.24	18.87	3.14	34.81	18.41	3.47
	75	62	37.19	26.20	1.87	35.57	25.44	2.15	33.91	24.66	2.45	32.23	23.85	2.76	30.50	23.02	3.12	28.75	22.14	3.47
1180	80	62	37.31	33.26	1.95	35.67	32.22	2.24	33.99	31.28	2.54	32.28	30.40	2.84	30.54	29.55	3.20	28.77	28.71	3.53
	80	67	40.04	28.07	1.93	38.82	27.84	2.20	37.36	27.34	2.51	35.64	26.56	2.83	33.67	25.51	3.21	31.46	24.18	3.59
	80	72	42.37	22.23	1.91	42.65	22.30	2.17	41.30	21.65	2.49	39.10	20.68	2.84	36.85	19.77	3.22	35.31	19.34	3.54
	75	62	38.07	27.66	1.93	36.45	26.87	2.21	34.74	26.06	2.51	32.97	25.20	2.83	31.11	24.30	3.20	29.19	23.33	3.55

## Boost Speed (C5) Cooling FS4BG-036K with FG7 (Variable Speed) and C7BHM36C-B Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
940	80	62	39.81	31.93	2.29	38.18	31.12	2.59	36.54	30.31	2.92	34.88	29.49	3.28	33.22	28.65	3.67	31.54	27.78	4.09
	80	67	43.26	27.34	2.27	42.18	26.72	2.56	40.77	26.03	2.90	39.01	25.26	3.28	36.91	24.37	3.70	34.47	23.34	4.16
	80	72	45.94	22.37	2.27	46.20	22.22	2.58	44.80	21.49	2.92	42.52	20.55	3.30	40.17	19.75	3.72	38.54	19.45	4.18
	75	62	40.72	26.89	2.28	39.05	26.12	2.58	37.37	25.34	2.91	35.68	24.55	3.28	33.97	23.74	3.67	32.24	22.90	4.11
1060	80	62	40.84	33.75	2.35	39.23	32.93	2.66	37.57	32.10	2.99	35.85	31.24	3.36	34.07	30.35	3.75	32.23	29.40	4.18
	80	67	43.65	28.48	2.34	42.65	27.96	2.64	41.30	27.37	2.98	39.62	26.68	3.36	37.60	25.87	3.78	35.23	24.89	4.24
	80	72	46.42	23.14	2.35	47.11	23.18	2.65	45.80	22.49	3.00	43.43	21.51	3.38	40.97	20.67	3.80	39.36	20.44	4.26
	75	62	41.67	28.36	2.35	40.08	27.60	2.65	38.39	26.81	2.99	36.62	25.98	3.35	34.77	25.09	3.75	32.83	24.14	4.18
1180	80	62	41.86	35.63	2.42	40.28	34.79	2.73	38.60	33.93	3.07	36.81	33.04	3.44	34.91	32.10	3.84	32.91	31.07	4.27
	80	67	44.04	29.62	2.41	43.11	29.20	2.71	41.85	28.71	3.05	40.24	28.10	3.44	38.29	27.36	3.86	36.00	26.45	4.32
	80	72	46.91	23.92	2.42	48.04	24.18	2.73	46.83	23.52	3.07	44.38	22.50	3.46	41.81	21.64	3.89	40.22	21.47	4.35
	75	62	42.63	29.88	2.41	41.10	29.13	2.72	39.41	28.32	3.06	37.57	27.44	3.43	35.57	26.48	3.83	33.42	25.42	4.26

# COOLING EXPANDED RATINGS WITH COIL (CONTINUED)

## First Stage Low Speed (C1) Cooling

FS4BG-036K with FG7 (Variable Speed) and C7BHM36C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
685	80	62	16.89	16.42	0.47	16.10	15.78	0.59	15.32	15.08	0.72	14.55	14.33	0.84	13.78	13.53	1.11	13.02	12.70	1.24
	80	67	17.92	14.38	0.45	16.97	14.12	0.58	16.01	13.74	0.71	15.05	13.26	0.84	14.08	12.67	1.12	13.10	11.99	1.25
	80	72	19.80	11.06	0.42	18.91	10.76	0.55	17.93	10.43	0.68	16.88	10.08	0.81	15.75	9.68	1.09	14.53	9.23	1.22
	75	62	16.83	13.78	0.48	15.92	13.40	0.61	14.98	13.01	0.73	14.02	12.61	0.85	13.04	12.17	1.13	12.03	11.67	1.25
730	80	62	17.26	16.83	0.47	16.47	16.16	0.60	15.68	15.42	0.72	14.88	14.63	0.84	14.08	13.80	1.12	13.27	12.92	1.25
	80	67	18.10	14.93	0.46	17.14	14.67	0.58	16.17	14.27	0.71	15.20	13.77	0.84	14.22	13.17	1.12	13.23	12.47	1.26
	80	72	19.97	11.43	0.42	19.07	11.13	0.56	18.07	10.80	0.69	17.01	10.45	0.82	15.86	10.05	1.10	14.62	9.59	1.22
	75	62	17.01	14.31	0.49	16.08	13.90	0.61	15.13	13.48	0.73	14.16	13.06	0.86	13.17	12.60	1.13	12.15	12.04	1.26
815	80	62	17.96	17.61	0.47	17.17	16.87	0.60	16.35	16.06	0.72	15.52	15.21	0.85	14.65	14.30	1.13	13.75	13.33	1.26
	80	67	18.42	15.96	0.47	17.45	15.69	0.60	16.46	15.28	0.73	15.47	14.76	0.86	14.48	14.13	1.14	13.47	13.40	1.27
	80	72	20.29	12.13	0.43	19.37	11.83	0.57	18.36	11.50	0.70	17.26	11.15	0.83	16.07	10.75	1.11	14.79	10.28	1.24
	75	62	17.36	15.35	0.50	16.40	14.88	0.62	15.41	14.40	0.74	14.43	13.89	0.87	13.42	13.34	1.14	12.40	12.40	1.27

## Second Stage Rating Speed (C4) Cooling

FS4BG-036K with FG7 (Variable Speed) and C7BHM36C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1025	80	62	36.52	31.24	1.79	34.90	30.22	2.07	33.27	29.31	2.37	31.63	28.47	2.67	29.97	27.69	3.03	28.30	26.94	3.36
	80	67	39.70	26.69	1.76	38.43	26.39	2.04	36.92	25.84	2.34	35.15	25.02	2.66	33.14	23.93	3.04	30.87	22.59	3.41
	80	72	42.32	21.42	1.74	42.03	21.24	2.02	40.50	20.53	2.33	38.37	19.58	2.67	36.28	18.71	3.04	34.84	18.23	3.37
	75	62	37.31	26.05	1.78	35.65	25.27	2.06	33.97	24.47	2.35	32.27	23.66	2.66	30.55	22.82	3.02	28.80	21.94	3.37
1090	80	62	37.01	32.22	1.81	35.36	31.18	2.09	33.70	30.24	2.38	32.01	29.37	2.69	30.30	28.55	3.04	28.57	27.75	3.38
	80	67	40.00	27.37	1.78	38.74	27.09	2.05	37.23	26.55	2.35	<b>35.46</b>	<b>25.75</b>	<b>2.68</b>	33.45	24.67	3.06	31.19	23.32	3.43
	80	72	42.50	21.84	1.76	42.43	21.76	2.03	40.96	21.06	2.34	38.79	20.10	2.69	36.61	19.21	3.06	35.12	18.74	3.39
	75	62	37.79	26.83	1.79	36.12	26.04	2.07	34.42	25.22	2.36	32.67	24.38	2.68	30.88	23.50	3.04	29.04	22.58	3.39
1220	80	62	37.99	34.21	1.82	36.29	33.14	2.11	34.55	32.15	2.41	32.78	31.21	2.72	30.97	30.31	3.07	29.12	29.12	3.40
	80	67	40.60	28.77	1.79	39.35	28.52	2.07	37.84	28.01	2.38	36.09	27.21	2.70	34.09	26.14	3.09	31.84	24.77	3.46
	80	72	42.85	22.69	1.77	43.23	22.80	2.04	41.88	22.14	2.36	39.62	21.14	2.71	37.27	20.20	3.09	35.65	19.75	3.41
	75	62	38.74	28.43	1.80	37.08	27.61	2.08	35.32	26.76	2.38	33.47	25.86	2.70	31.54	24.91	3.07	29.51	23.88	3.42

## Boost Speed (C5) Cooling

FS4BG-036K with FG7 (Variable Speed) and C7BHM36C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1025	80	62	40.91	33.52	2.26	39.26	32.68	2.56	37.57	31.83	2.89	35.83	30.95	3.26	34.04	30.04	3.65	32.21	29.09	4.08
	80	67	43.91	28.39	2.24	42.85	27.82	2.54	41.45	27.17	2.88	39.70	26.44	3.26	37.62	25.58	3.68	35.19	24.56	4.14
	80	72	46.65	23.10	2.25	47.19	23.07	2.55	45.81	22.34	2.90	43.43	21.35	3.28	40.96	20.51	3.70	39.30	20.24	4.16
	75	62	41.77	28.18	2.25	40.11	27.40	2.55	38.39	26.58	2.89	36.61	25.74	3.25	34.76	24.85	3.65	32.84	23.91	4.08
1090	80	62	41.47	34.53	2.27	39.83	33.68	2.58	38.13	32.81	2.91	36.35	31.92	3.28	34.50	30.98	3.67	32.58	29.98	4.10
	80	67	44.12	29.01	2.26	43.10	28.50	2.56	41.74	27.90	2.90	40.03	27.21	3.28	37.99	26.39	3.70	35.61	25.41	4.16
	80	72	46.92	23.52	2.27	47.68	23.60	2.57	46.36	22.89	2.92	43.93	21.88	3.30	41.40	21.02	3.73	39.76	20.79	4.19
	75	62	42.29	29.00	2.27	40.67	28.21	2.57	38.95	27.39	2.91	37.12	26.52	3.27	35.19	25.60	3.67	33.16	24.59	4.10
1220	80	62	42.58	36.59	2.29	40.97	35.71	2.60	39.24	34.82	2.94	37.39	33.89	3.31	35.42	32.89	3.71	33.32	31.81	4.14
	80	67	44.55	30.26	2.28	43.61	29.85	2.58	42.33	29.36	2.92	40.70	28.76	3.31	38.74	28.03	3.73	36.44	27.11	4.19
	80	72	47.45	24.37	2.29	48.69	24.68	2.60	47.47	24.02	2.94	44.95	22.97	3.33	42.30	22.08	3.76	40.69	21.92	4.23
	75	62	43.33	30.66	2.28	41.78	29.88	2.59	40.05	29.05	2.93	38.15	28.13	3.30	36.06	27.12	3.70	33.80	25.99	4.13

# COOLING EXPANDED RATINGS WITH COIL (CONTINUED)

## First Stage Low Speed (C1) Cooling FS4BG-048K with FG7 (Variable Speed) and C7BHMx48C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
860	80	62	23.60	23.31	0.74	22.70	22.38	0.91	21.88	21.56	1.08	20.99	20.68	1.25	19.87	19.60	1.57	18.36	18.16	1.74
	80	67	25.91	19.62	0.71	24.60	19.10	0.88	23.27	18.57	1.06	21.94	18.03	1.23	20.59	17.47	1.56	19.23	16.88	1.74
	80	72	28.26	15.20	0.66	27.13	14.77	0.84	25.89	14.37	1.03	24.54	13.97	1.21	23.07	13.55	1.55	21.49	13.10	1.74
	75	62	23.90	18.84	0.75	22.80	18.42	0.92	21.57	17.87	1.09	20.32	17.26	1.26	19.12	16.68	1.58	18.09	16.20	1.75
990	80	62	24.56	24.22	0.76	23.58	23.24	0.94	22.70	22.39	1.11	21.75	21.48	1.28	20.55	20.33	1.60	18.92	18.78	1.77
	80	67	26.24	21.08	0.74	24.95	20.51	0.92	23.64	19.98	1.10	22.28	19.47	1.27	20.89	18.96	1.60	19.46	18.41	1.78
	80	72	28.56	16.12	0.70	27.46	15.73	0.88	26.22	15.35	1.06	24.84	14.96	1.25	23.32	14.52	1.59	21.66	14.03	1.78
	75	62	24.25	20.23	0.78	23.10	19.78	0.95	21.93	19.28	1.12	20.71	18.73	1.30	19.45	18.08	1.62	18.11	17.32	1.80
1080	80	62	25.22	24.84	0.78	24.18	23.84	0.96	23.26	22.96	1.13	22.27	22.03	1.31	21.01	20.84	1.63	19.30	19.20	1.80
	80	67	26.58	22.30	0.77	25.10	21.79	0.94	23.66	21.25	1.12	22.29	20.67	1.30	20.96	20.06	1.63	19.69	19.42	1.81
	80	72	28.76	16.76	0.73	27.68	16.40	0.91	26.44	16.04	1.09	25.05	15.65	1.28	23.49	15.20	1.62	21.78	14.67	1.81
	75	62	24.49	21.20	0.81	23.30	20.74	0.98	22.17	20.28	1.15	20.99	19.76	1.32	19.67	19.07	1.65	18.12	18.09	1.83

## Second Stage Rating Speed (C4) Cooling FS4BG-048K with FG7 (Variable Speed) and C7BHMx48C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1285	80	62	46.31	40.20	2.47	44.63	39.43	2.79	42.64	38.37	3.12	40.56	37.20	3.47	38.64	36.14	3.87	36.95	33.53	4.24
	80	67	50.56	33.93	2.45	49.24	33.39	2.78	47.38	32.70	3.13	45.03	31.85	3.50	42.25	30.82	3.91	39.08	29.58	4.32
	80	72	53.37	26.87	2.43	53.77	26.85	2.76	52.05	26.08	3.11	49.22	25.03	3.50	46.27	24.14	3.94	42.88	22.54	4.38
	75	62	47.00	32.98	2.53	45.15	32.25	2.91	43.28	31.48	3.26	41.39	30.67	3.59	39.49	29.82	3.92	36.97	28.03	4.19
1480	80	62	47.39	43.02	2.62	45.68	42.27	2.94	43.62	41.03	3.28	41.50	39.59	3.64	39.61	38.22	4.04	38.07	35.87	4.44
	80	67	51.15	35.69	2.60	50.09	35.40	2.92	48.22	34.79	3.27	<b>45.76</b>	<b>33.95</b>	<b>3.64</b>	42.95	33.00	4.08	40.01	31.00	4.50
	80	72	53.75	28.03	2.59	54.61	28.40	2.92	52.93	27.70	3.27	49.95	26.53	3.65	46.89	25.49	4.10	44.90	24.29	4.54
	75	62	48.24	35.14	2.63	46.51	34.50	2.99	44.62	33.72	3.34	42.59	32.80	3.69	40.41	31.72	4.07	37.35	28.68	4.41
1610	80	62	48.12	44.96	2.71	46.39	44.22	3.04	44.29	42.87	3.38	42.14	41.23	3.74	40.27	39.65	4.16	38.82	37.46	4.57
	80	67	51.81	37.01	2.70	51.16	37.07	3.02	49.16	36.47	3.37	46.39	35.51	3.74	43.38	34.53	4.18	40.71	33.30	4.62
	80	72	53.99	28.81	2.69	55.16	29.46	3.02	53.51	28.80	3.37	50.43	27.55	3.76	47.29	26.40	4.20	45.06	24.84	4.64
	75	62	49.02	36.59	2.70	47.37	36.01	3.03	45.55	35.27	3.39	43.48	34.32	3.75	41.10	33.07	4.17	37.61	29.12	4.56

## Boost Speed (C5) Cooling FS4BG-048K with FG7 (Variable Speed) and C7BHMx48C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1285	80	62	52.48	43.22	3.19	50.85	42.48	3.57	49.04	41.67	3.94	46.59	40.37	4.31	43.07	38.15	4.67	36.95	33.53	4.59
	80	67	56.50	36.81	3.22	56.22	36.46	3.59	54.17	35.54	3.94	50.62	34.11	4.25	45.83	32.18	4.54	40.42	29.95	4.54
	80	72	59.59	29.53	3.18	60.84	29.58	3.55	58.58	28.38	3.93	55.23	27.09	4.31	53.22	26.84	4.71	42.88	22.54	4.73
	75	62	54.20	36.54	3.20	52.45	35.60	3.58	50.13	34.56	3.95	47.53	33.57	4.32	44.96	32.78	4.69	36.97	28.03	4.53
1480	80	62	53.62	45.89	3.35	52.22	45.53	3.73	50.26	44.66	4.11	47.67	43.18	4.49	44.37	40.98	4.86	38.07	35.87	4.78
	80	67	56.97	38.31	3.38	57.36	38.80	3.81	55.89	38.38	4.18	52.13	36.65	4.51	46.50	33.74	4.78	41.10	31.00	4.68
	80	72	59.61	30.38	3.34	61.25	30.90	3.72	59.33	29.97	4.10	56.22	28.75	4.48	54.28	28.41	4.87	44.90	24.29	4.89
	75	62	55.32	38.46	3.36	53.95	37.88	3.74	51.50	36.72	4.12	48.76	35.47	4.49	46.47	34.66	4.87	37.35	28.68	4.70
1610	80	62	54.38	47.72	3.45	53.12	47.62	3.84	51.07	46.71	4.23	48.38	45.10	4.61	45.23	42.92	4.98	38.82	37.46	4.90
	80	67	57.82	39.62	3.47	58.31	40.38	3.87	56.27	39.82	4.22	52.33	38.25	4.53	47.16	35.95	4.80	41.54	33.30	4.79
	80	72	59.62	30.94	3.45	61.47	31.76	3.83	59.76	31.01	4.21	56.79	29.83	4.59	54.88	29.42	4.98	45.06	24.84	5.00
	75	62	56.07	39.77	3.47	54.93	39.44	3.85	52.41	38.19	4.23	49.57	36.76	4.61	47.47	35.93	4.98	37.61	29.12	4.82

# COOLING EXPANDED RATINGS WITH COIL (CONTINUED)

## First Stage Low Speed (C1) Cooling

### FS4BG-048K with FG7 (Variable Speed) and C7BHMx48C-D Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
940	80	62	24.37	24.04	0.73	23.36	23.03	0.90	22.44	22.12	1.08	21.46	21.17	1.25	20.28	20.05	1.57	18.70	18.54	1.73
	80	67	26.29	20.65	0.70	24.93	20.05	0.88	23.55	19.48	1.05	22.15	18.91	1.23	20.77	18.38	1.56	19.37	17.82	1.74
	80	72	28.62	15.86	0.66	27.45	15.43	0.84	26.15	15.00	1.03	24.72	14.57	1.21	23.22	14.15	1.55	21.60	13.67	1.74
	75	62	24.29	19.83	0.74	23.10	19.35	0.91	21.85	18.78	1.08	20.56	18.16	1.26	19.32	17.53	1.58	18.10	16.89	1.75
990	80	62	24.74	24.39	0.73	23.69	23.36	0.90	22.76	22.44	1.07	21.75	21.48	1.25	20.55	20.33	1.57	18.92	18.78	1.73
	80	67	26.41	21.22	0.70	25.07	20.60	0.88	23.69	20.03	1.06	22.28	19.47	1.23	20.89	18.96	1.56	19.46	18.41	1.74
	80	72	28.73	16.22	0.66	27.57	15.80	0.84	26.28	15.38	1.03	24.84	14.96	1.21	23.32	14.52	1.55	21.66	14.03	1.74
	75	62	24.42	20.37	0.74	23.21	19.88	0.91	21.98	19.33	1.08	20.71	18.73	1.26	19.45	18.08	1.58	18.11	17.32	1.76
1070	80	62	25.33	24.95	0.72	24.23	23.89	0.90	23.26	22.96	1.07	22.21	21.97	1.25	20.96	20.78	1.57	19.26	19.15	1.73
	80	67	26.72	22.31	0.71	25.20	21.75	0.88	23.72	21.16	1.06	22.29	20.53	1.23	20.95	19.93	1.56	19.67	19.31	1.74
	80	72	28.92	16.79	0.66	27.77	16.40	0.84	26.48	16.00	1.03	25.02	15.57	1.21	23.47	15.13	1.55	21.77	14.60	1.75
	75	62	24.63	21.25	0.74	23.39	20.73	0.91	22.20	20.22	1.08	20.96	19.65	1.26	19.65	18.96	1.58	18.12	18.00	1.77

## Second Stage Rating Speed (C4) Cooling

### FS4BG-048K with FG7 (Variable Speed) and C7BHMx48C-D Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1400	80	62	47.64	42.47	2.44	45.90	41.69	2.76	43.83	40.50	3.10	41.69	39.14	3.45	39.74	37.87	3.86	38.11	36.81	4.24
	80	67	51.60	35.44	2.42	50.39	35.02	2.75	48.49	34.36	3.10	46.03	33.50	3.47	43.20	32.50	3.89	40.13	31.41	4.31
	80	72	54.28	27.91	2.41	54.91	28.09	2.74	53.18	27.35	3.09	50.22	26.21	3.47	47.17	25.22	3.92	44.57	24.63	4.36
	75	62	48.42	34.74	2.48	46.60	34.04	2.84	44.69	33.25	3.19	42.68	32.35	3.53	40.57	31.35	3.89	37.69	29.69	4.21
1480	80	62	48.08	43.65	2.48	46.33	42.87	2.80	44.23	41.61	3.14	42.07	40.13	3.49	40.14	38.73	3.90	38.57	37.56	4.30
	80	67	51.84	36.17	2.46	50.74	35.86	2.78	48.83	35.23	3.13	<b>46.33</b>	<b>34.38</b>	<b>3.50</b>	43.48	33.41	3.93	40.51	32.44	4.36
	80	72	54.44	28.39	2.45	55.26	28.74	2.77	53.54	28.02	3.13	50.52	26.84	3.51	47.42	25.78	3.96	45.40	25.46	4.40
	75	62	48.92	35.64	2.49	47.16	34.98	2.84	45.24	34.18	3.20	43.17	33.24	3.55	40.95	32.14	3.93	37.84	30.29	4.27
1600	80	62	48.76	45.45	2.53	46.99	44.69	2.85	44.85	43.32	3.19	42.66	41.66	3.56	40.76	40.06	3.98	39.26	38.68	4.38
	80	67	52.45	37.39	2.52	51.73	37.41	2.84	49.70	36.79	3.18	46.91	35.83	3.56	43.88	34.84	4.00	41.15	34.19	4.43
	80	72	54.66	29.12	2.51	55.77	29.72	2.83	54.08	29.05	3.19	50.97	27.78	3.57	47.80	26.63	4.02	45.55	26.09	4.46
	75	62	49.65	36.99	2.52	47.95	36.38	2.85	46.09	35.63	3.21	43.99	34.65	3.57	41.58	33.40	3.98	38.08	31.20	4.37

## Boost Speed (C5) Cooling

### FS4BG-048K with FG7 (Variable Speed) and C7BHMx48C-D Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1400	80	62	53.84	45.37	3.17	52.31	44.83	3.55	50.37	43.96	3.93	47.80	42.53	4.30	44.37	40.29	4.67	38.11	35.36	4.59
	80	67	57.46	38.15	3.20	57.55	38.27	3.60	55.80	37.61	3.97	52.09	35.99	4.29	46.76	33.48	4.56	41.32	30.94	4.50
	80	72	60.29	30.38	3.16	61.73	30.68	3.53	59.63	29.62	3.91	56.39	28.36	4.30	54.38	28.04	4.69	44.57	23.83	4.71
	75	62	55.55	38.14	3.18	53.98	37.39	3.56	51.55	36.26	3.93	48.82	35.09	4.31	46.39	34.28	4.68	37.69	28.79	4.52
1480	80	62	54.31	46.48	3.21	52.87	46.10	3.59	50.87	45.21	3.97	48.24	43.70	4.35	44.90	41.48	4.72	38.57	36.34	4.63
	80	67	57.66	38.77	3.24	58.01	39.24	3.67	56.51	38.80	4.04	52.71	37.05	4.37	47.04	34.13	4.64	41.60	31.38	4.53
	80	72	60.30	30.73	3.20	61.90	31.23	3.58	59.94	30.28	3.96	56.80	29.05	4.34	54.82	28.69	4.73	45.40	24.56	4.75
	75	62	56.01	38.94	3.22	54.60	38.34	3.60	52.11	37.16	3.97	49.33	35.89	4.35	47.00	35.06	4.73	37.84	29.06	4.56
1600	80	62	55.01	48.18	3.27	53.70	48.04	3.66	51.62	47.11	4.04	48.90	45.48	4.42	45.70	43.28	4.80	39.26	37.82	4.71
	80	67	58.44	39.99	3.29	58.89	40.71	3.69	56.85	40.14	4.04	52.89	38.55	4.35	47.65	36.18	4.62	42.00	33.52	4.60
	80	72	60.31	31.25	3.26	62.10	32.03	3.64	60.33	31.24	4.03	57.32	30.05	4.41	55.37	29.63	4.79	45.55	25.07	4.82
	75	62	56.70	40.16	3.28	55.51	39.78	3.66	52.95	38.52	4.04	50.08	37.09	4.42	47.92	36.23	4.80	38.08	29.47	4.63

# COOLING EXPANDED RATINGS WITH COIL (CONTINUED)

## First Stage Low Speed (C1) Cooling

### FS4BG-060K with FG7 (Variable Speed) and C7BHMx60C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
990	80	62	23.04	22.45	0.65	21.98	21.52	0.80	20.97	20.54	0.97	20.00	19.51	1.13	19.09	18.46	1.49	18.22	17.39	1.67
	80	67	23.80	20.25	0.64	22.70	19.67	0.80	21.56	19.14	0.97	20.38	18.65	1.14	19.16	18.18	1.49	17.91	17.70	1.66
	80	72	25.97	15.30	0.58	24.82	14.90	0.75	23.57	14.56	0.92	22.22	14.24	1.09	20.76	13.93	1.46	19.19	13.58	1.65
	75	62	22.05	19.49	0.67	21.01	19.13	0.84	19.98	18.60	1.00	18.97	17.95	1.16	17.97	17.17	1.50	16.99	16.30	1.66
1080	80	62	23.51	22.93	0.67	22.44	21.96	0.83	21.40	20.94	0.99	20.41	19.88	1.16	19.47	18.79	1.52	18.56	17.67	1.70
	80	67	24.10	21.25	0.67	22.95	20.72	0.83	21.79	20.11	1.00	20.64	19.42	1.17	19.48	18.67	1.52	18.33	17.85	1.69
	80	72	26.07	15.93	0.61	24.98	15.55	0.78	23.75	15.23	0.95	22.40	14.93	1.13	20.93	14.62	1.49	19.33	14.26	1.68
	75	62	22.25	20.42	0.70	21.13	20.09	0.86	20.09	19.48	1.02	19.12	18.63	1.19	18.23	17.59	1.53	17.42	16.40	1.69
1210	80	62	24.19	23.63	0.70	23.09	22.61	0.87	22.03	21.53	1.03	21.01	20.41	1.21	20.01	19.26	1.56	19.06	18.08	1.73
	80	67	24.54	22.72	0.71	23.30	22.26	0.88	22.12	21.53	1.05	21.00	20.55	1.22	19.94	19.38	1.56	18.95	18.05	1.73
	80	72	26.23	16.84	0.66	25.19	16.50	0.82	24.01	16.21	0.99	22.67	15.93	1.17	21.18	15.63	1.53	19.54	15.25	1.73
	75	62	22.54	21.59	0.74	21.31	21.05	0.90	20.24	20.24	1.06	19.34	19.22	1.22	18.61	18.04	1.57	18.04	16.73	1.74

## Second Stage Rating Speed (C4) Cooling

### FS4BG-060K with FG7 (Variable Speed) and C7BHMx60C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1480	80	62	55.42	47.09	3.14	53.38	45.98	3.51	51.07	44.77	3.92	48.50	43.41	4.36	45.65	41.86	4.82	42.55	40.07	5.33
	80	67	60.29	39.63	3.17	58.36	38.94	3.55	55.96	38.01	3.96	53.15	36.85	4.40	49.98	35.46	4.88	46.50	33.84	5.38
	80	72	63.94	31.93	3.13	63.66	31.74	3.52	61.36	30.73	3.95	57.99	29.35	4.43	54.49	28.04	4.95	51.80	27.25	5.51
	75	62	56.04	38.96	3.14	54.01	38.02	3.51	51.72	36.96	3.92	49.17	35.75	4.36	46.35	34.38	4.83	43.27	32.80	5.35
1610	80	62	56.38	49.00	3.22	54.28	47.95	3.59	51.90	46.72	4.01	49.24	45.27	4.46	46.31	43.59	4.94	43.11	41.61	5.47
	80	67	60.89	41.08	3.24	59.03	40.47	3.63	56.55	39.53	4.04	<b>53.60</b>	<b>38.34</b>	<b>4.49</b>	50.36	36.97	4.96	47.00	35.50	5.47
	80	72	64.39	32.68	3.21	64.35	32.64	3.60	62.09	31.68	4.03	58.64	30.28	4.51	55.03	28.94	5.03	52.30	28.16	5.59
	75	62	56.96	40.32	3.22	54.84	39.37	3.60	52.45	38.30	4.00	49.79	37.09	4.45	46.86	35.71	4.92	43.66	34.12	5.44
1805	80	62	57.82	51.93	3.34	55.63	50.96	3.71	53.14	49.71	4.14	50.37	48.14	4.61	47.30	46.24	5.12	43.95	43.95	5.69
	80	67	61.79	43.29	3.36	60.05	42.81	3.75	57.43	41.85	4.16	54.28	40.61	4.61	50.94	39.27	5.09	47.74	38.05	5.60
	80	72	65.06	33.83	3.33	65.39	34.02	3.71	63.19	33.13	4.15	59.62	31.70	4.63	55.85	30.31	5.15	53.05	29.55	5.72
	75	62	58.36	42.40	3.35	56.10	41.44	3.72	53.55	40.37	4.14	50.73	39.15	4.58	47.62	37.75	5.06	44.23	36.13	5.58

## Boost Speed (C5) Cooling

### FS4BG-060K with FG7 (Variable Speed) and C7BHMx60C-C Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1480	80	62	63.96	51.36	4.27	61.56	50.02	4.71	58.90	48.69	5.20	56.00	47.35	5.72	52.88	45.95	6.28	49.56	44.45	6.88
	80	67	69.11	43.52	4.33	67.40	42.78	4.82	64.74	41.61	5.32	61.41	40.15	5.83	57.71	38.53	6.36	53.92	36.92	6.90
	80	72	71.70	36.86	4.33	71.77	36.27	4.84	69.91	34.94	5.37	66.75	33.18	5.91	62.90	31.28	6.46	58.98	29.52	7.02
	75	62	64.81	43.11	4.29	62.59	42.10	4.73	59.84	40.80	5.21	56.81	39.36	5.73	53.74	37.92	6.29	50.88	36.64	6.88
1610	80	62	65.22	53.49	4.36	62.81	52.21	4.81	60.00	50.75	5.30	56.93	49.18	5.83	53.77	47.60	6.39	50.66	46.10	7.00
	80	67	69.93	44.90	4.43	68.56	44.38	4.93	65.88	43.21	5.44	62.37	41.64	5.95	58.49	39.92	6.47	54.71	38.34	7.00
	80	72	72.32	37.26	4.41	72.87	37.05	4.94	71.15	35.92	5.47	67.85	34.21	6.00	63.65	32.26	6.53	59.22	30.36	7.06
	75	62	65.99	44.55	4.37	63.86	43.66	4.81	60.96	42.24	5.30	57.72	40.58	5.83	54.60	38.98	6.41	52.03	37.76	7.03
1805	80	62	67.11	56.77	4.49	64.69	55.59	4.95	61.64	53.91	5.45	58.33	51.99	5.99	55.10	50.13	6.57	52.30	48.63	7.18
	80	67	71.05	47.03	4.53	70.13	46.89	5.02	67.51	45.76	5.54	63.81	44.03	6.07	59.68	42.08	6.63	55.76	40.31	7.22
	80	72	73.25	37.86	4.52	74.52	38.22	5.08	73.02	37.41	5.62	69.51	35.80	6.14	64.77	33.76	6.64	59.60	31.63	7.12
	75	62	67.29	46.21	4.51	65.25	45.18	4.97	62.63	44.08	5.46	59.34	42.79	5.97	55.74	41.48	6.51	53.17	41.09	7.07

# COOLING EXPANDED RATINGS WITH COIL (CONTINUED)

## First Stage Low Speed (C1) Cooling FS4BG-060K with FG7 (Variable Speed) and C7BHM60C-D Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
990	80	62	23.14	22.55	0.63	22.09	21.62	0.78	21.08	20.65	0.95	20.13	19.63	1.12	19.22	18.58	1.47	18.36	17.52	1.65
	80	67	23.90	20.34	0.62	22.81	19.76	0.79	21.68	19.24	0.95	20.51	18.77	1.12	19.29	18.30	1.47	18.04	17.83	1.64
	80	72	26.07	15.36	0.56	24.93	14.96	0.73	23.69	14.63	0.90	22.34	14.32	1.08	20.89	14.02	1.44	19.33	13.67	1.63
	75	62	22.15	19.58	0.65	21.11	19.22	0.82	20.09	18.71	0.98	19.09	18.06	1.14	18.10	17.30	1.48	17.12	16.43	1.64
1070	80	62	23.51	22.92	0.99	22.44	21.97	1.15	21.42	20.96	1.32	20.44	19.91	1.49	19.50	18.82	1.84	18.61	17.72	2.02
	80	67	24.12	21.18	0.99	22.97	20.65	1.16	21.83	20.05	1.33	20.68	19.40	1.50	19.52	18.69	1.84	18.37	17.91	2.01
	80	72	26.11	15.89	0.94	25.01	15.51	1.10	23.79	15.19	1.27	22.45	14.90	1.45	20.99	14.60	1.82	19.40	14.24	2.01
	75	62	22.28	20.36	1.03	21.17	20.04	1.19	20.14	19.44	1.35	19.17	18.62	1.51	18.28	17.62	1.85	17.45	16.47	2.02
1205	80	62	24.21	23.65	1.10	23.12	22.64	1.27	22.07	21.57	1.44	21.05	20.46	1.61	20.07	19.31	1.96	19.12	18.15	2.13
	80	67	24.57	22.70	1.11	23.34	22.26	1.28	22.17	21.53	1.45	21.05	20.57	1.62	20.00	19.42	1.96	19.01	18.12	2.13
	80	72	26.27	16.84	1.06	25.24	16.50	1.22	24.06	16.21	1.39	22.73	15.94	1.57	21.25	15.65	1.94	19.62	15.28	2.13
	75	62	22.58	21.59	1.14	21.36	21.07	1.30	20.30	20.27	1.46	19.40	19.27	1.63	18.67	18.10	1.97	18.10	16.79	2.14

## Second Stage Rating Speed (C4) Cooling FS4BG-060K with FG7 (Variable Speed) and C7BHM60C-D Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1480	80	62	56.07	47.64	2.98	53.98	46.50	3.35	51.63	45.26	3.76	49.01	43.87	4.20	46.12	42.29	4.66	42.97	40.48	5.16
	80	67	60.93	40.06	3.01	58.96	39.34	3.39	56.52	38.39	3.80	53.67	37.21	4.24	50.45	35.80	4.72	46.93	34.15	5.22
	80	72	64.59	32.25	2.97	64.26	32.04	3.36	61.92	31.01	3.79	58.50	29.61	4.27	54.96	28.28	4.79	52.23	27.47	5.35
	75	62	56.68	39.41	2.98	54.61	38.44	3.35	52.28	37.36	3.76	49.68	36.13	4.20	46.82	34.73	4.67	43.70	33.13	5.18
1600	80	62	56.96	49.41	3.05	54.81	48.32	3.43	52.39	47.07	3.84	49.70	45.60	4.29	46.73	43.89	4.77	43.49	41.90	5.30
	80	67	61.49	41.40	3.08	59.58	40.76	3.46	57.06	39.80	3.88	<b>54.08</b>	<b>38.59</b>	<b>4.32</b>	50.80	37.20	4.79	47.38	35.70	5.30
	80	72	65.00	32.95	3.04	64.90	32.88	3.43	62.59	31.89	3.86	59.11	30.47	4.34	55.46	29.11	4.86	52.68	28.32	5.43
	75	62	57.54	40.67	3.06	55.38	39.70	3.43	52.96	38.61	3.84	50.26	37.37	4.28	47.29	35.97	4.76	44.05	34.35	5.27
1800	80	62	58.43	52.43	3.18	56.19	51.43	3.55	53.67	50.15	3.97	50.85	48.56	4.44	47.75	46.63	4.96	44.35	44.31	5.52
	80	67	62.42	43.68	3.19	60.62	43.18	3.58	57.96	42.20	4.00	54.78	40.93	4.45	51.39	39.57	4.93	48.14	38.33	5.43
	80	72	65.69	34.13	3.16	65.97	34.30	3.55	63.72	33.38	3.98	60.11	31.94	4.46	56.30	30.53	4.98	53.45	29.76	5.55
	75	62	58.97	42.82	3.18	56.67	41.83	3.56	54.08	40.73	3.97	51.22	39.49	4.42	48.07	38.07	4.90	44.64	36.42	5.41

## Boost Speed (C5) Cooling FS4BG-060K with FG7 (Variable Speed) and C7BHM60C-D Coil

Outdoor Temperature:			65°F			75°F			85°F			95°F			105°F			115°F		
Blower cfm	Indoor EDB	Indoor EWB	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
1480	80	62	64.60	51.88	4.11	62.16	50.51	4.55	59.46	49.16	5.03	56.51	47.78	5.56	53.35	46.36	6.12	49.99	44.83	6.72
	80	67	69.76	43.93	4.17	68.00	43.16	4.66	65.30	41.97	5.16	61.93	40.48	5.67	58.18	38.85	6.20	54.34	37.21	6.74
	80	72	72.35	37.19	4.17	72.37	36.58	4.68	70.47	35.22	5.21	67.26	33.43	5.75	63.37	31.51	6.30	59.40	29.73	6.86
	75	62	65.46	43.54	4.13	63.19	42.50	4.57	60.40	41.18	5.05	57.32	39.71	5.57	54.21	38.25	6.13	51.31	36.95	6.72
1600	80	62	65.77	53.85	4.19	63.31	52.54	4.64	60.47	51.06	5.13	57.38	49.48	5.66	54.17	47.89	6.22	51.00	46.36	6.83
	80	67	70.51	45.20	4.26	69.07	44.65	4.76	66.35	43.45	5.27	62.81	41.87	5.78	58.90	40.14	6.30	55.08	38.53	6.83
	80	72	72.92	37.56	4.24	73.39	37.29	4.77	71.61	36.12	5.30	68.28	34.39	5.83	64.06	32.42	6.37	59.63	30.51	6.90
	75	62	66.55	44.88	4.21	64.36	43.95	4.65	61.43	42.51	5.13	58.17	40.85	5.66	55.00	39.24	6.24	52.36	37.98	6.86
1800	80	62	67.71	57.23	4.33	65.24	56.02	4.79	62.16	54.32	5.29	58.81	52.38	5.83	55.54	50.49	6.40	52.69	48.96	7.02
	80	67	71.66	47.41	4.36	70.69	47.22	4.86	68.02	46.07	5.37	64.29	44.32	5.91	60.12	42.35	6.47	56.16	40.56	7.05
	80	72	73.88	38.18	4.36	75.08	38.50	4.92	73.53	37.65	5.45	69.98	36.03	5.97	65.21	33.97	6.48	60.01	31.82	6.96
	75	62	67.90	46.61	4.35	65.82	45.55	4.81	63.15	44.43	5.30	59.82	43.10	5.81	56.18	41.76	6.34	53.56	41.34	6.90



### GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC LLC warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (01 /2015)