

TECHNICAL SPECIFICATIONS

FSH1BG Series

iQ Drive®

Ultra-High Efficiency Heat Pump, Up to 17+ SEER2 Residential System 2-5 Ton Capacities

The iQ Drive® heat pump system features modulating compressor technology and variable speed indoor and outdoor fan motors. This system is compatible with any two-stage heating/cooling heat pump thermostat and has the capability of adding up to 18% of additional cooling/heating above the rated capacity.

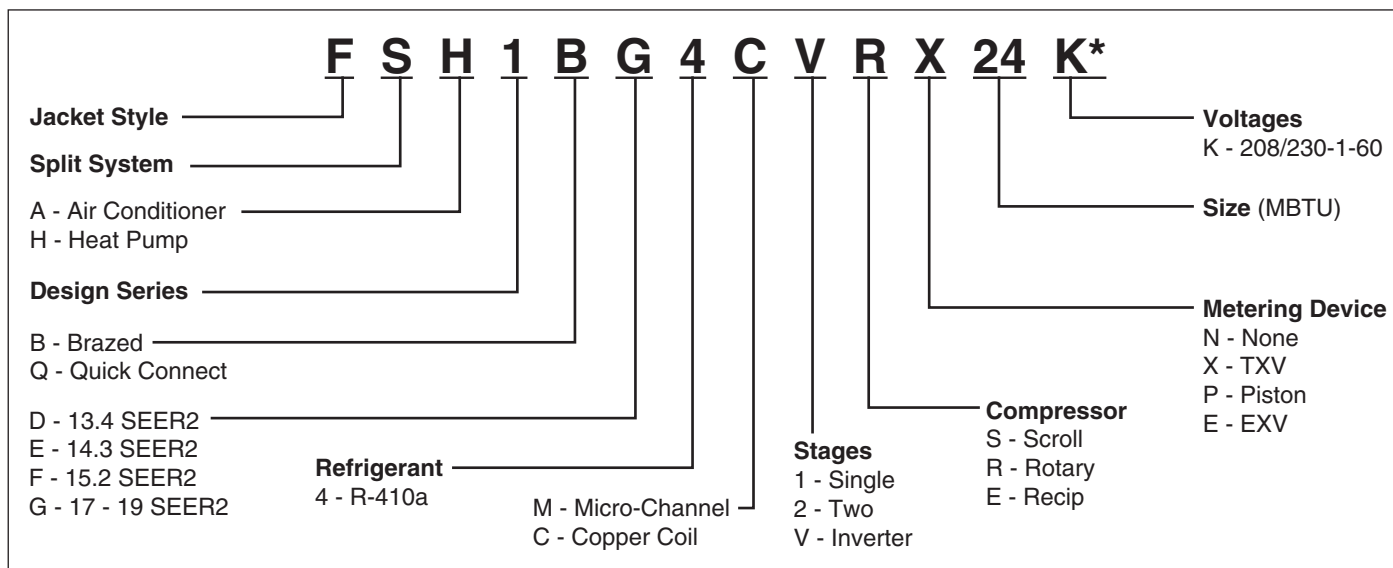
When paired with a B64 air handler, this system utilizes de-humidification capabilities from the thermostat or duct mount humidistat.



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 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.
- **Locks out heat pump heating:** below 0 °F.
- **Adaptive demand defrost:** Provides additional energy savings in heating by defrosting only when necessary.
- **Five Minute Restart Time Delay:** When the unit shuts down, a delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Suction Accumulator:** Protection from liquid flood back and future compressor failures.
- **Compressor and Component Access:** Designed to make servicing easier for the contractor, hinged access panels are provided to all controls and the compressor.
- **High Efficiency with Low Sound Levels:** Up to 17+ SEER2 with sound ratings of 58-73, 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.
- **Common Suction 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.
- **Discharge muffler:** Reduces compressor noise and vibration.
- **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.
- **Copper Tube / Aluminum Fin Coils:** outdoor coils are designed to optimize heat transfer, and increase durability and reliability.
- **Composite Base Pan:** Composite is stronger and lighter than steel, but sound absorbent and corrosion resistant.
- **Designed using galvanized steel:** With a polyester urethane coat finish, it passes 950 hours of salt spray per ASTM Std. B117.
- **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.
- **Servicer-Friendly Jacket:** Side panels can be easily removed and replaced without removing the top grill.

MODEL IDENTIFICATION CODES

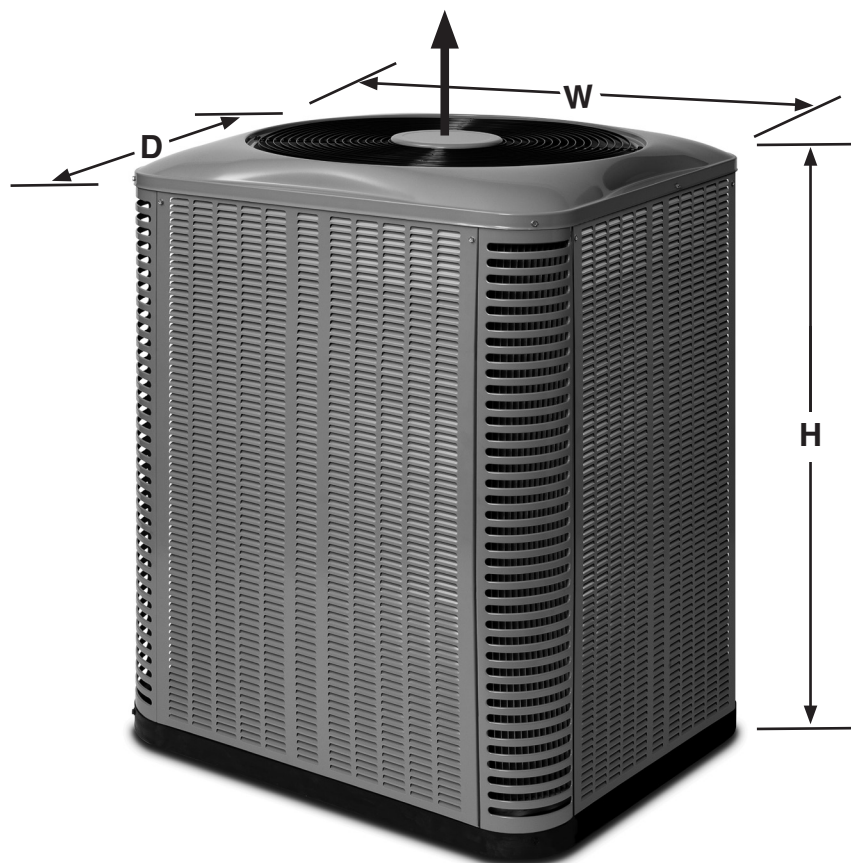


DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

FSH1BG	24K*	36K*	48K*	60K*
H	37.25	41.25	41.25	45.25
W	31.75	31.75	31.75	31.75
D	31.75	31.75	31.75	31.75

Air Discharge Allow Adequate Clearance for Airflow



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

Up to 17+ SEER2 — Ultra High Efficiency — Single Phase

Unit Size:			24K*	36K*	48K*	60K*
Electrical Data	Volts-Cycles-Phase ⁽¹⁾		208/230-60-1			
	Total Amps		26.6	26.6	26.6	35.8
	Delay Fuse Max. ⁽²⁾		45	45	50	70
	Min. Circuit Ampacity		27.6	27.6	32.6	43.8
Component Data	Fan Motor	Type	BLDC			
		Amps	2.6	2.6	2.6	3.8
		HP	1/3	1/3	1/3	1/2
	Compressor Data	RLA	20	20	24	32
		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"
Installation Refrigerant Vapor Line Size (All liquid lines 3/8" OD)		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. ⁽⁴⁾	7/8"	1-1/8"	1-1/8"	1-1/8"
		75 - 100 ft. equiv. ⁽⁴⁾	1-1/8"	1-1/8"	1-1/8"	1-1/8"
Weight, lbs. (approximate)		Net	228	297	291	291
		Ship	239	309	303	304
Sound Level dB		Minimum	60	58	63	63
		Maximum	71	71	73	72

(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 heating is 0°F.

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.

(5) For additional charging instructions please refer to the QRD.

See current AHRI Directory for certified combinations and ratings.

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COPPER WIRE SIZE — AWG (1% Voltage Drop)				
Supply Wire Length-Feet				Supply Circuit Ampacity
200	150	100	50	
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

Up to 17+ SEER2 — Ultra High Efficiency — Single Phase

Model Number	Coil ModelNumber	Indoor Model Number	Cap	SEER2	EER2	CFM 2nd Stg	CFM 1st Stg	Heat 47°F	HSPF2
FSH1BG4CVRX24KP	C6B(A,H)-X26(C,U)-B(*)	MB7VM-1600K-B(*)	24600	18.8	12.3	800	540	22400	8.5
FSH1BG4CVRX24KP	C6B(A,H)-X26(C,U)-B(*)	FG7T(*)-V(*)B(*)	24400	18.5	12	800	540	22200	8.4
FSH1BG4CVRX24KP	B6VMAX24K-B(*)		24600	18.8	12.3	800	540	22400	8.5
FSH1BG4CVRX36KP	C6B(A,H)-X36(C,U)-B(*)	MB7VM-1600K-B(*)	34800	17.8	11.4	1200	800	34400	8.5
FSH1BG4CVRX36KP	C6B(A,H)-X36(C,U)-B(*)	FG7T(*)-V(*)B(*)	34600	17.3	11	1125	750	34600	8.5
FSH1BG4CVRX36KP	C6B(A,H)-X36(C,U)-C(*)	FG7T(*)-V(*)C(*)	34800	17.3	11	1150	770	34200	8.5
FSH1BG4CVRX36KP	B6VMAX36K-B(*)		34800	17.8	11.4	1200	800	34400	8.5
FSH1BG4CVRX48KP	C6B(A,H)-X48(C,U)-C(*)	MB7VM-2000K-C(*)	44000	16.8	11.2	1350	915	44000	8.5
FSH1BG4CVRX48KP	C6B(A,H)-X48(C,U)-C(*)	FG7T(*)-V(*)C(*)	44000	16	10.7	1500	1005	44000	8.5
FSH1BG4CVRX48KP	B6VMAX48K-C(*)		44000	16.8	11.2	1350	915	44000	8.5
FSH1BG4CVRX60KP	C6B(A,H)-X60(C,U)-C(*)	MB7VM-2000K-C(*)	53000	17.1	11	1500	1000	56000	8.5
FSH1BG4CVRX60KP	C6B(A,H)-X60(C,U)-C(*)	FG7T(*)-V(*)C(*)	53000	16.5	10.6	1600	1065	56000	8.3
FSH1BG4CVRX60KP	C6B(A,H)-X60(C,U)-D(*)	FG7T(*)-V(*)D(*)	53000	16.5	10.6	1755	1175	56000	8.3
FSH1BG4CVRX60KP	B6VMAX60K-C(*)		53000	17.1	11	1500	1000	56000	8.5

Cooling 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.

Heating Note: Conditions for Nominal Capacity rating are 70°F dry bulb temperature indoors, 47°F dry bulb temperature, 43°F wet bulb temperature outdoors. Minimum outdoor temperature for heating is 0°F.

See current AHRI Directory for certified combinations and ratings.

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COOLING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

First Stage Low Speed (C1) Cooling FSH1BG4CVRX24K with B64VMAX24K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
450	80	62	11.6	11.5	0.42	11.5	11.5	0.54	11.3	11.3	0.66	10.9	10.9	0.78	10.3	10.3	0.90	9.8	9.8	1.02
	80	67	12.7	9.7	0.39	12.7	9.7	0.52	12.3	9.7	0.64	11.7	9.5	0.77	11.0	9.2	0.89	10.2	8.9	1.02
	80	72	14.2	7.8	0.36	14.0	7.7	0.50	13.5	7.5	0.63	12.9	7.3	0.76	12.1	7.0	0.88	11.3	6.7	1.01
	75	62	11.3	9.6	0.42	11.3	9.6	0.54	11.0	9.6	0.66	10.5	9.4	0.78	9.8	9.1	0.90	9.2	8.7	1.02
	75	67	12.5	7.5	0.40	12.6	7.6	0.52	12.2	7.5	0.65	11.6	7.2	0.77	10.9	7.0	0.89	10.2	6.7	1.02
550	80	62	12.3	12.3	0.40	12.4	12.4	0.53	12.1	12.1	0.65	11.6	11.6	0.77	11.0	11.0	0.89	10.4	10.4	1.02
	80	67	13.2	10.8	0.38	13.1	11.0	0.51	12.7	10.6	0.64	12.1	10.6	0.76	11.3	10.3	0.89	10.5	10.0	1.02
	80	72	14.7	8.4	0.35	14.4	8.4	0.49	14.0	8.2	0.62	13.3	8.0	0.75	12.4	7.6	0.88	11.6	7.4	1.01
	75	62	11.7	10.6	0.41	11.7	10.6	0.54	11.3	10.2	0.66	10.8	10.2	0.78	10.2	9.9	0.90	9.6	9.6	1.02
	75	67	13.0	8.2	0.39	13.0	8.3	0.51	12.6	8.2	0.64	12.0	7.9	0.77	11.2	7.7	0.89	10.3	7.3	1.02
650	80	62	12.9	12.9	0.39	13.0	13.0	0.51	12.6	12.6	0.64	12.1	12.1	0.76	11.4	11.5	0.89	10.8	10.8	1.02
	80	67	13.6	11.9	0.38	13.4	11.7	0.51	12.9	11.9	0.64	12.3	11.6	0.76	11.6	11.2	0.89	10.8	10.7	1.02
	80	72	15.0	9.0	0.35	14.8	9.1	0.48	14.3	8.9	0.62	13.5	8.6	0.75	12.7	8.3	0.88	11.7	8.1	1.01
	75	62	12.0	11.4	0.41	12.0	11.6	0.53	11.7	11.5	0.65	11.2	11.2	0.77	10.5	10.6	0.90	10.0	10.0	1.02
	75	67	13.5	9.0	0.38	13.3	9.0	0.51	12.9	8.8	0.64	12.2	8.6	0.76	11.5	8.3	0.89	10.7	8.0	1.02

Second Stage Rating Speed (C4) Cooling FSH1BG4CVRX24K with B64VMAX24K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
700	80	62	22.6	20.0	1.13	22.3	19.9	1.35	21.5	19.5	1.58	20.5	18.9	1.80	19.3	18.5	2.02	18.1	17.7	2.25
	80	67	25.3	17.1	1.11	24.7	16.9	1.35	23.9	16.6	1.58	22.6	16.0	1.80	21.3	15.4	2.04	20.0	14.9	2.28
	80	72	28.1	14.2	1.10	27.4	13.9	1.34	26.4	13.6	1.57	24.9	12.9	1.81	23.5	12.4	2.05	22.0	11.8	2.30
	75	62	22.5	16.9	1.13	22.1	16.8	1.35	21.4	16.4	1.58	20.4	15.9	1.80	19.2	15.3	2.02	18.0	14.8	2.25
	75	67	25.1	14.0	1.11	24.5	13.7	1.35	23.8	13.5	1.58	22.4	12.9	1.80	21.2	12.3	2.04	19.8	11.8	2.27
800	80	62	23.2	21.5	1.16	22.8	21.3	1.39	22.0	20.8	1.61	20.9	20.3	1.83	19.7	19.5	2.06	18.7	18.7	2.29
	80	67	25.9	18.1	1.14	25.4	17.9	1.38	24.3	17.5	1.61	23.1	16.9	1.84	21.7	16.3	2.08	20.3	15.8	2.32
	80	72	29.0	14.9	1.13	27.9	14.5	1.37	26.9	14.1	1.61	25.5	13.5	1.85	23.9	12.9	2.09	22.4	12.4	2.34
	75	62	23.0	17.9	1.16	22.7	17.7	1.39	21.9	17.3	1.61	20.8	16.8	1.83	19.6	16.3	2.06	18.2	15.6	2.29
	75	67	25.8	14.7	1.14	25.2	14.4	1.38	24.2	14.0	1.61	23.1	13.5	1.84	21.6	12.9	2.07	20.2	12.3	2.31
900	80	62	23.7	22.6	1.19	23.2	22.3	1.43	22.3	21.8	1.65	21.4	21.3	1.88	20.3	20.3	2.11	19.2	19.2	2.34
	80	67	26.5	19.0	1.18	25.8	18.8	1.42	24.7	18.3	1.65	23.4	17.8	1.88	22.0	17.2	2.12	20.5	16.6	2.36
	80	72	29.3	15.4	1.16	28.7	15.1	1.41	27.4	14.6	1.65	25.8	14.0	1.89	24.3	13.5	2.14	22.6	12.8	2.39
	75	62	23.5	18.8	1.19	23.1	18.6	1.43	22.2	18.2	1.65	21.1	17.7	1.87	19.8	17.1	2.10	18.4	16.4	2.33
	75	67	26.4	15.3	1.18	25.6	14.9	1.42	24.6	14.5	1.65	23.3	13.9	1.88	22.0	13.4	2.12	20.4	12.7	2.36

First Stage Low Speed (C1) Cooling FSH1BG4CVRX36K with B64VMAX36K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
700	80	62	18.6	18.1	0.68	18.4	17.8	0.87	17.8	17.5	1.05	17.0	16.9	1.23	16.1	16.1	1.41	15.2	15.2	1.59
	80	67	21.0	15.7	0.66	20.4	15.5	0.86	19.6	15.2	1.04	18.5	14.8	1.23	17.4	14.3	1.41	16.2	13.7	1.60
	80	72	23.6	12.5	0.64	22.8	12.2	0.84	22.1	11.9	1.03	20.9	11.5	1.23	19.7	11.0	1.42	18.4	10.5	1.62
	75	62	18.4	15.6	0.68	18.1	15.6	0.87	17.3	15.2	1.05	16.3	14.6	1.22	15.3	14.1	1.40	14.2	13.3	1.58
	75	67	20.8	12.3	0.67	20.4	12.2	0.86	19.5	11.8	1.04	18.5	11.3	1.23	17.3	10.7	1.41	16.1	10.2	1.60
800	80	62	19.5	19.4	0.69	19.2	19.1	0.88	18.5	18.5	1.06	17.7	17.7	1.24	16.8	16.8	1.43	15.8	15.8	1.62
	80	67	21.6	16.7	0.68	20.9	16.6	0.87	20.1	16.3	1.06	19.0	15.9	1.25	17.8	15.5	1.43	16.5	14.9	1.62
	80	72	24.1	13.1	0.66	23.4	12.8	0.86	22.4	12.4	1.05	21.4	12.1	1.24	19.9	11.7	1.44	18.7	11.1	1.64
	75	62	19.0	16.8	0.70	18.5	16.6	0.88	17.6	16.2	1.06	16.6	15.6	1.24	15.5	15.0	1.42	14.5	14.3	1.60
	75	67	21.5	13.0	0.68	20.9	12.9	0.87	20.0	12.5	1.06	18.9	11.9	1.25	17.7	11.5	1.43	16.3	10.8	1.62
900	80	62	20.3	20.3	0.71	19.9	19.9	0.90	19.2	19.2	1.08	18.4	18.4	1.27	17.4	17.4	1.46	16.4	16.4	1.65
	80	67	22.0	17.8	0.70	21.3	17.7	0.89	20.3	17.3	1.08	19.2	16.9	1.27	18.0	16.5	1.46	16.8	15.7	1.65
	80	72	24.7	13.8	0.68	23.9	13.5	0.88	22.8	13.1	1.08	21.6	12.7	1.27	20.2	12.2	1.47	18.9	11.5	1.66
	75	62	19.1	17.6	0.72	18.7	17.4	0.91	18.0	17.2	1.09	16.9	16.5	1.27	15.9	15.5	1.45	14.9	14.9	1.63
	75	67	21.9	13.7	0.70	21.2	13.5	0.89	20.3	13.1	1.08	19.2	12.7	1.27	17.9	12.2	1.46	16.6	11.5	1.65

E.D.B. = Entering dry bulb E.W.B. = Entering wet bulb T.C. = Total Capacity S.C. = Sensible Capacity kW = Kilo Watts

COOLING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER (CONT.)

Second Stage Rating Speed (C4) Cooling

FSH1BG4CVRX36K with B64VMAX36K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1050	80	62	34.8	31.0	1.82	34.1	30.7	2.16	32.7	30.1	2.49	31.0	29.4	2.82	29.2	28.4	3.16	27.4	27.4	3.50
	80	67	38.3	25.8	1.80	37.3	25.5	2.16	35.8	25.0	2.50	34.0	24.2	2.84	32.0	23.4	3.19	30.0	22.3	3.55
	80	72	41.7	20.9	1.78	40.3	20.3	2.14	38.8	19.8	2.50	36.9	19.1	2.85	34.8	18.2	3.21	32.7	17.4	3.58
	75	62	34.7	26.1	1.82	34.0	25.8	2.16	32.6	25.2	2.49	31.0	24.4	2.82	29.3	23.5	3.15	27.4	22.3	3.49
	75	67	38.1	21.1	1.80	37.2	20.7	2.16	35.7	20.0	2.50	33.9	19.3	2.84	32.0	18.5	3.19	30.1	17.6	3.54
1200	80	62	35.5	32.6	1.90	34.6	32.7	2.25	33.2	32.1	2.58	31.5	31.0	2.92	29.8	29.8	3.26	28.2	28.2	3.61
	80	67	39.0	27.1	1.88	37.9	26.9	2.24	36.3	26.3	2.59	34.4	25.4	2.94	32.3	24.5	3.29	30.3	23.3	3.64
	80	72	42.1	21.5	1.86	41.1	21.1	2.23	39.3	20.4	2.59	37.4	19.6	2.95	35.1	18.8	3.31	32.9	18.0	3.68
	75	62	35.3	27.5	1.90	34.5	27.1	2.25	33.1	26.5	2.58	31.4	25.7	2.91	29.5	24.9	3.25	27.7	23.4	3.59
	75	67	38.8	21.8	1.89	37.8	21.5	2.24	36.2	20.8	2.59	34.3	19.9	2.93	32.3	19.1	3.28	30.2	18.1	3.63
1350	80	62	35.9	34.7	2.00	35.0	34.3	2.35	33.6	33.2	2.69	32.1	32.0	3.03	30.4	30.4	3.38	28.7	28.7	3.73
	80	67	39.4	28.4	1.99	38.2	28.1	2.35	36.5	27.4	2.70	34.6	26.6	3.05	32.5	25.8	3.40	30.4	24.3	3.76
	80	72	42.7	22.1	1.96	41.5	21.6	2.33	39.7	21.0	2.69	37.6	20.2	3.05	35.3	19.4	3.42	33.0	18.5	3.79
	75	62	35.8	28.8	2.00	34.8	28.5	2.35	33.4	27.8	2.69	31.6	26.9	3.02	29.7	25.7	3.36	27.7	24.9	3.70
	75	67	39.3	22.4	1.99	37.9	21.6	2.35	36.4	21.3	2.70	34.5	20.4	3.04	32.4	19.6	3.39	30.3	18.7	3.75

First Stage Low Speed (C1) Cooling

FSH1BG4CVRX48K with B64VMAX48K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
750	80	62	25.6	22.9	1.00	24.7	22.5	1.23	23.3	21.9	1.45	21.7	21.1	1.67	20.3	20.0	1.90	19.1	19.0	2.14
	80	67	28.2	19.1	0.97	27.0	18.7	1.20	25.4	18.1	1.43	23.6	17.3	1.66	21.8	16.4	1.89	20.2	15.8	2.14
	80	72	31.3	15.7	0.94	29.8	15.1	1.18	27.9	14.4	1.41	25.8	13.6	1.65	23.8	12.8	1.89	21.9	12.1	2.14
	75	62	25.6	19.3	1.00	24.6	18.9	1.23	23.2	18.2	1.45	21.7	17.5	1.67	20.1	16.8	1.90	18.6	16.2	2.14
	75	67	28.2	15.7	0.97	26.9	15.1	1.20	25.3	14.3	1.43	23.5	13.4	1.66	21.7	12.9	1.89	20.1	12.2	2.14
900	80	62	26.6	25.2	1.02	25.4	24.7	1.25	24.1	23.6	1.48	22.7	22.4	1.70	21.2	21.2	1.94	19.9	19.9	2.18
	80	67	29.2	20.6	0.99	27.8	20.3	1.22	26.1	19.6	1.45	24.1	18.8	1.69	22.2	18.0	1.92	20.5	17.3	2.17
	80	72	32.2	16.6	0.96	30.5	16.0	1.20	28.6	15.2	1.44	26.4	14.4	1.67	24.2	13.6	1.92	22.3	12.9	2.17
	75	62	26.5	20.9	1.02	25.3	20.5	1.25	23.8	19.9	1.48	22.2	19.1	1.70	20.5	18.3	1.93	19.0	16.9	2.17
	75	67	29.1	16.6	0.99	27.7	15.9	1.22	25.9	15.1	1.46	24.0	14.2	1.69	22.1	13.5	1.92	20.4	13.0	2.17
1050	80	62	27.3	27.0	1.05	26.3	26.1	1.28	25.0	24.9	1.51	23.4	23.4	1.74	21.9	21.9	1.98	20.5	20.5	2.22
	80	67	29.9	22.0	1.02	28.3	21.7	1.26	26.5	21.0	1.49	24.4	20.3	1.72	22.5	19.5	1.96	20.7	18.7	2.21
	80	72	32.8	17.4	0.99	31.1	16.7	1.23	29.0	16.0	1.47	26.7	15.2	1.71	24.5	14.3	1.96	22.4	13.5	2.21
	75	62	27.1	22.5	1.05	25.9	22.1	1.29	24.4	21.4	1.51	22.6	20.5	1.74	20.7	19.7	1.98	19.2	18.9	2.22
	75	67	29.8	17.4	1.02	28.3	16.7	1.26	26.4	16.2	1.49	24.4	15.4	1.72	22.4	14.1	1.96	20.6	13.8	2.21

Second Stage Rating Speed (C4) Cooling

FSH1BG4CVRX48K with B64VMAX48K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1200	80	62	42.5	36.6	2.31	41.7	36.2	2.73	40.2	35.5	3.15	38.3	34.1	3.56	36.2	33.7	3.97	33.9	32.7	4.41
	80	67	47.0	31.0	2.32	45.9	30.5	2.76	44.2	29.8	3.18	42.0	28.9	3.60	39.6	27.7	4.03	37.2	26.7	4.48
	80	72	52.4	25.8	2.35	50.8	25.1	2.80	48.7	24.3	3.23	46.3	23.3	3.67	43.6	22.4	4.11	40.9	21.3	4.57
	75	62	42.4	30.8	2.31	41.5	30.4	2.73	40.0	29.7	3.14	38.1	28.8	3.55	36.0	27.7	3.97	33.9	26.8	4.40
	75	67	46.9	25.6	2.32	45.8	25.1	2.76	44.0	24.3	3.18	41.8	23.3	3.60	39.5	22.3	4.03	37.1	21.3	4.48
1350	80	62	43.4	38.8	2.38	42.5	38.4	2.81	40.9	37.5	3.23	38.9	36.7	3.64	36.7	35.6	4.06	34.5	34.5	4.50
	80	67	48.1	32.6	2.40	46.9	31.9	2.84	45.0	31.1	3.26	42.7	30.1	3.69	40.2	29.0	4.12	37.7	28.0	4.57
	80	72	53.6	26.7	2.42	51.8	26.0	2.88	49.6	25.2	3.32	47.0	24.2	3.75	44.3	23.1	4.20	41.5	22.0	4.66
	75	62	43.1	31.8	2.38	42.4	31.8	2.81	40.8	31.0	3.23	38.8	30.1	3.64	36.6	29.0	4.06	34.3	28.2	4.49
	75	67	47.9	26.4	2.39	46.7	25.9	2.83	44.8	25.1	3.26	42.6	24.2	3.69	40.1	23.2	4.12	37.6	22.1	4.57
1500	80	62	44.1	40.6	2.48	43.1	40.3	2.92	41.4	39.5	3.33	39.4	38.4	3.75	37.2	37.2	4.18	35.3	35.3	4.62
	80	67	48.6	33.2	2.50	47.6	33.2	2.94	45.6	32.3	3.37	43.2	31.3	3.80	40.6	30.4	4.23	38.0	29.0	4.68
	80	72	54.4	27.5	2.51	52.7	26.9	2.97	50.3	25.9	3.43	47.6	24.8	3.87	44.7	23.8	4.31	41.8	22.7	4.77
	75	62	43.8	33.0	2.48	43.0	33.4	2.92	41.3	32.2	3.33	39.2	31.3	3.75	36.9	30.2	4.17	34.6	29.1	4.61
	75	67	48.7	27.2	2.50	47.4	26.7	2.94	45.3	25.8	3.37	43.0	24.9	3.80	40.5	23.8	4.23	37.9	22.7	4.68

E.D.B. = Entering dry bulb E.W.B. = Entering wet bulb T.C. = Total Capacity S.C. = Sensible Capacity kW = Kilo Watts

COOLING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER (CONT.)

First Stage Low Speed (C1) Cooling

FSH1BG4CVRX60K with B64VMAX60K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
850	80	62	26.3	23.6	1.00	25.7	23.6	1.24	24.6	23.1	1.47	23.2	22.4	1.70	21.6	21.6	1.94	20.2	20.2	2.18
	80	67	29.0	19.8	0.96	28.1	19.6	1.21	26.7	19.0	1.45	25.1	18.4	1.69	23.3	17.6	1.93	21.6	16.9	2.18
	80	72	31.5	15.9	0.91	30.4	15.5	1.17	28.8	14.9	1.41	27.0	14.2	1.66	25.0	13.4	1.91	23.1	12.8	2.17
	75	62	26.2	19.9	1.00	25.6	19.7	1.24	24.6	19.2	1.47	23.1	18.6	1.70	21.5	17.9	1.94	19.9	17.1	2.18
	75	67	28.9	16.1	0.96	27.9	15.6	1.21	26.7	15.3	1.45	25.1	14.6	1.69	23.3	13.8	1.93	21.5	13.0	2.18
1000	80	62	27.1	25.9	1.02	26.4	25.5	1.26	25.2	24.8	1.49	23.9	23.9	1.72	22.4	22.4	1.96	20.9	20.9	2.21
	80	67	29.7	21.3	0.97	28.8	21.0	1.22	27.3	20.3	1.47	25.5	19.7	1.71	23.7	19.0	1.95	21.8	18.2	2.21
	80	72	32.2	16.7	0.92	31.0	16.3	1.18	29.3	15.7	1.43	27.3	14.9	1.68	25.3	14.1	1.93	23.3	13.3	2.19
	75	62	27.0	21.5	1.02	26.3	21.2	1.26	25.1	20.7	1.49	23.6	20.0	1.73	21.9	19.2	1.96	20.1	18.5	2.21
	75	67	29.6	16.9	0.98	28.7	16.6	1.22	27.2	16.0	1.47	25.4	15.1	1.71	23.6	14.5	1.95	21.8	13.8	2.21
1150	80	62	27.7	27.3	1.04	27.1	27.1	1.28	26.0	26.0	1.51	24.6	24.6	1.75	23.0	23.0	1.99	21.3	21.4	2.24
	80	67	30.2	22.6	0.99	29.1	22.1	1.25	27.7	21.7	1.49	25.8	20.6	1.74	23.8	20.2	1.98	22.0	18.7	2.24
	80	72	32.6	17.4	0.94	31.3	17.0	1.19	29.6	16.2	1.45	27.5	15.5	1.70	25.4	14.7	1.96	23.4	14.0	2.22
	75	62	27.5	22.8	1.04	26.8	22.5	1.28	25.5	21.9	1.52	23.9	21.3	1.76	22.1	20.5	2.00	20.3	19.7	2.24
	75	67	30.1	17.6	1.00	29.1	17.3	1.25	27.6	16.8	1.49	25.7	16.1	1.74	23.8	15.3	1.98	21.9	14.4	2.24

Second Stage Rating Speed (C4) Cooling

FSH1BG4CVRX60K with B64VMAX60K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1350	80	62	53.0	43.9	3.06	51.8	43.4	3.58	49.9	42.5	4.08	47.4	41.2	4.58	44.6	40.0	5.09	41.8	38.7	5.61
	80	67	59.0	37.8	3.11	57.6	37.2	3.65	55.3	36.2	4.17	52.7	35.1	4.69	49.8	33.6	5.21	47.0	32.4	5.75
	80	72	63.0	30.7	3.08	61.2	30.0	3.63	59.0	29.1	4.17	55.8	27.7	4.70	52.7	26.5	5.24	49.6	25.2	5.79
	75	62	52.8	37.5	3.06	51.7	37.0	3.58	49.7	36.1	4.08	47.3	35.0	4.58	44.5	33.6	5.08	41.7	32.2	5.61
	75	67	58.8	31.4	3.11	57.4	30.8	3.65	55.2	29.9	4.17	52.5	28.7	4.69	49.7	27.4	5.21	46.8	26.1	5.75
1500	80	62	54.2	46.2	3.14	52.8	45.6	3.66	50.7	44.4	4.16	48.1	43.4	4.67	45.2	42.1	5.18	42.3	40.7	5.70
	80	67	60.2	39.4	3.19	58.6	38.6	3.73	56.3	37.7	4.26	53.5	36.5	4.78	50.5	35.2	5.31	47.6	33.9	5.85
	80	72	64.3	31.6	3.16	62.3	30.8	3.71	59.6	29.7	4.25	56.9	28.7	4.79	53.3	27.3	5.33	50.1	26.0	5.89
	75	62	54.0	39.2	3.14	52.7	38.7	3.66	50.6	37.7	4.16	48.0	36.4	4.66	45.1	35.0	5.17	42.2	33.7	5.70
	75	67	60.0	32.4	3.19	58.4	31.7	3.73	56.1	30.8	4.25	53.3	29.5	4.77	50.5	28.3	5.31	47.4	27.0	5.84
1650	80	62	54.9	48.3	3.24	53.5	46.8	3.76	51.3	46.6	4.27	48.6	45.4	4.77	45.6	44.1	5.29	42.7	42.1	5.81
	80	67	61.1	40.7	3.29	59.4	39.9	3.83	56.9	39.1	4.36	54.0	37.9	4.88	51.0	36.5	5.42	48.0	34.8	5.96
	80	72	65.2	32.4	3.25	63.3	31.6	3.81	60.3	30.5	4.35	57.1	29.2	4.89	53.8	27.9	5.44	50.5	26.6	6.00
	75	62	54.8	40.5	3.24	53.5	40.1	3.76	51.2	39.0	4.27	48.5	37.7	4.77	45.7	36.2	5.29	42.5	35.1	5.81
	75	67	60.9	33.3	3.29	59.2	32.5	3.83	56.7	31.4	4.36	53.9	30.3	4.88	50.8	29.0	5.41	47.8	27.8	5.95

E.D.B. = Entering dry bulb E.W.B. = Entering wet bulb T.C. = Total Capacity S.C. = Sensible Capacity kW = Kilo Watts

HEATING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

First Stage Low Speed (H1) Heating FSH1BG4CVRX24K with B64VMAX24K-B

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
450	60	2.0	1.00	0.59	2.9	1.45	0.59	4.2	2.12	0.58	4.8	2.41	0.58	6.7	3.20	0.61	8.6	3.94	0.64	9.9	4.45	0.65	10.5	4.68	0.66	12.4	6.19	0.59
	70	2.7	1.22	0.65	3.6	1.59	0.67	4.9	2.08	0.69	5.5	2.30	0.70	7.4	2.98	0.73	9.3	3.59	0.76	10.6	3.99	0.78	11.1	4.14	0.79	13.0	4.68	0.81
	80	3.3	1.34	0.72	4.3	1.74	0.72	5.6	2.18	0.75	6.2	2.26	0.80	8.0	2.80	0.84	9.9	3.33	0.87	11.3	3.69	0.90	11.8	3.80	0.91	13.7	4.28	0.94
550	60	2.0	1.04	0.56	3.0	1.54	0.57	4.3	2.21	0.57	4.9	2.52	0.57	6.8	3.38	0.59	8.7	4.20	0.61	10.0	4.77	0.61	10.5	4.99	0.62	12.4	6.35	0.57
	70	2.7	1.24	0.64	3.7	1.66	0.65	5.0	2.18	0.67	5.6	2.43	0.68	7.4	3.08	0.70	9.3	3.79	0.72	10.6	4.24	0.73	11.2	4.45	0.74	13.1	5.13	0.75
	80	3.4	1.43	0.70	4.3	1.77	0.71	5.7	2.26	0.74	6.2	2.32	0.78	8.1	2.93	0.81	10.0	3.51	0.83	11.3	3.89	0.85	11.9	4.06	0.86	13.8	4.61	0.88
650	60	2.1	1.11	0.55	3.1	1.62	0.56	4.4	2.30	0.56	4.9	2.57	0.56	6.8	3.48	0.57	8.7	4.37	0.58	10.0	5.18	0.57	10.6	5.30	0.59	12.5	6.52	0.56
	70	2.8	1.30	0.63	3.7	1.69	0.64	5.0	2.22	0.66	5.6	2.46	0.67	7.5	3.21	0.69	9.4	3.94	0.70	10.7	4.48	0.70	11.3	4.70	0.70	13.2	5.50	0.70
	80	3.5	1.49	0.69	4.4	1.82	0.71	5.7	2.29	0.73	6.3	2.40	0.77	8.2	3.04	0.79	10.1	3.67	0.81	11.4	4.08	0.82	12.0	4.27	0.82	13.8	4.86	0.83

Second Stage Rating Speed (H4) Heating FSH1BG4CVRX24K with B64VMAX24K-B

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
700	60	8.5	1.89	1.32	10.6	2.20	1.41	13.6	2.87	1.39	14.9	3.05	1.43	19.2	3.62	1.56	23.5	4.10	1.68	26.5	4.39	1.77	27.8	4.50	1.81	32.1	6.64	1.42
	70	8.3	1.72	1.42	10.5	2.02	1.53	13.5	2.44	1.62	14.7	2.59	1.66	19.0	3.12	1.78	23.3	3.59	1.90	26.3	3.91	1.97	27.6	4.01	2.02	31.9	4.32	2.16
	80	8.1	1.51	1.57	10.3	1.83	1.65	13.3	2.22	1.76	14.6	2.25	1.91	18.9	2.73	2.03	23.2	3.16	2.15	26.2	3.41	2.25	27.5	3.52	2.29	31.8	3.81	2.45
800	60	8.9	1.97	1.33	11.0	2.29	1.41	14.0	2.97	1.38	15.3	3.15	1.42	19.6	3.76	1.53	23.9	4.28	1.64	26.9	4.59	1.72	28.2	4.72	1.75	32.5	6.75	1.41
	70	8.7	1.78	1.43	10.8	2.07	1.53	13.9	2.52	1.62	15.1	2.68	1.65	19.4	3.23	1.76	23.7	3.72	1.87	26.7	4.07	1.93	28.0	4.18	1.96	32.3	4.53	2.09
	80	8.5	1.57	1.58	10.7	1.89	1.66	13.7	2.28	1.76	15.0	2.32	1.89	19.3	2.83	2.00	23.6	3.28	2.11	26.6	3.55	2.20	27.9	3.67	2.23	32.1	3.97	2.37
900	60	9.3	2.03	1.34	11.4	2.35	1.42	14.4	3.09	1.37	15.7	3.22	1.43	20.0	3.85	1.52	24.3	4.40	1.62	27.3	4.75	1.69	28.6	4.88	1.72	32.9	6.81	1.42
	70	9.1	1.81	1.47	11.2	2.12	1.55	14.2	2.56	1.63	15.5	2.74	1.66	19.8	3.32	1.75	24.1	3.83	1.85	27.1	4.18	1.90	28.4	4.30	1.93	32.7	4.68	2.05
	80	8.9	1.62	1.61	11.1	1.94	1.68	14.1	2.33	1.77	15.4	2.38	1.90	19.7	2.90	1.99	24.0	3.36	2.09	27.0	3.65	2.17	28.2	3.76	2.20	32.5	4.10	2.32

First Stage Low Speed (H1) Heating FSH1BG4CVRX36K with B64VMAX36K-B

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
700	60	3.2	1.04	0.90	4.8	1.43	0.99	7.1	2.07	1.01	8.1	2.35	1.01	11.4	3.34	1.00	14.6	4.48	0.96	16.9	5.13	0.97	17.9	5.39	0.97	21.1	6.28	0.99
	70	2.8	0.81	1.02	4.4	1.18	1.10	6.7	1.75	1.13	7.7	1.99	1.14	11.0	2.83	1.14	14.2	3.75	1.11	16.5	4.31	1.12	17.5	4.53	1.13	20.8	5.16	1.18
	80	2.4	0.62	1.15	4.1	0.98	1.22	6.4	1.49	1.26	7.3	1.70	1.26	10.6	2.43	1.28	13.9	3.21	1.27	16.2	3.71	1.28	17.1	3.90	1.29	20.4	4.45	1.34
800	60	3.3	1.07	0.91	4.9	1.44	1.01	7.2	2.07	1.02	8.2	2.34	1.03	11.5	3.32	1.01	14.7	4.46	0.97	17.0	5.27	0.95	18.0	5.56	0.95	21.3	6.21	1.00
	70	2.9	0.83	1.04	4.6	1.20	1.12	6.9	1.75	1.15	7.8	1.99	1.16	11.1	2.81	1.16	14.4	3.74	1.13	16.6	4.40	1.11	17.6	4.65	1.11	20.9	5.35	1.15
	80	2.6	0.65	1.15	4.2	1.00	1.24	6.5	1.49	1.27	7.5	1.70	1.28	10.7	2.42	1.30	14.0	3.21	1.28	16.3	3.77	1.27	17.3	3.98	1.27	20.5	4.59	1.31
900	60	3.4	1.08	0.93	5.1	1.44	1.03	7.3	2.05	1.05	8.3	2.32	1.05	11.6	3.27	1.04	14.9	4.39	0.99	17.1	5.29	0.95	18.1	5.63	0.94	21.4	6.09	1.03
	70	3.1	0.85	1.05	4.7	1.20	1.15	7.0	1.74	1.17	8.0	1.98	1.18	11.2	2.79	1.18	14.5	3.70	1.15	16.8	4.40	1.12	17.7	4.69	1.11	21.0	5.46	1.13
	80	2.7	0.67	1.18	4.3	1.00	1.26	6.6	1.49	1.30	7.6	1.70	1.31	10.8	2.40	1.32	14.1	3.17	1.30	16.4	3.75	1.28	17.4	3.99	1.28	20.6	4.67	1.30

Second Stage Rating Speed (H4) Heating FSH1BG4CVRX36K with B64VMAX36K-B

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1050	60	16.0	2.22	2.11	18.7	2.55	2.15	22.4	3.01	2.19	24.0	3.20	2.20	29.4	3.79	2.27	34.7	4.24	2.40	38.4	4.49	2.51	40.0	4.61	2.55	45.4	6.19	2.15
	70	15.4	1.95	2.32	18.1	2.24	2.37	21.9	2.64	2.42	23.5	2.82	2.44	28.8	3.34	2.53	34.1	3.75	2.67	37.9	3.99	2.78	39.5	4.09	2.83	44.8	4.38	3.00
	80	14.9	1.71	2.55	17.5	1.98	2.60	21.3	2.35	2.66	22.9	2.50	2.68	28.2	2.97	2.78	33.6	3.36	2.93	37.3	3.58	3.05	38.9	3.68	3.10	44.2	3.94	3.29
1200	60	16.5	2.20	2.20	19.2	2.51	2.24	22.9	2.95	2.27	24.5	3.15	2.28	29.9	3.79	2.31	35.2	4.30	2.40	38.9	4.59	2.48	40.5	4.72	2.52	45.9	6.01	2.24
	70	15.9	1.94	2.41	18.6	2.22	2.46	22.3	2.61	2.51	23.9	2.78	2.52	29.3	3.33	2.57	34.6	3.80	2.67	38.4	4.07	2.77	40.0	4.18	2.80	45.3	4.50	2.95
	80	15.4	1.71	2.63	18.0	1.97	2.68	21.8	2.32	2.74	23.4	2.47	2.77	28.7	2.97	2.83	34.0	3.40	2.94	37.8	3.64	3.04	39.4	3.75	3.08	44.7	4.04	3.25
1350	60	17.0	2.16	2.31	19.7	2.46	2.34	23.4	2.88	2.38	25.0	3.07	2.39	30.3	3.70	2.40	35.7	4.29	2.44	39.4	4.62	2.50	41.0	4.75	2.53	46.3	5.80	2.34
	70	16.4	1.91	2.52	19.1	2.18	2.56	22.8	2.56	2.61	24.4	2.72	2.63	29.8	3.28	2.66	35.1	3.78	2.72	38.8	4.08	2.79	40.4	4.20	2.82	45.8	4.55	2.95
	80	15.8	1.70	2.74	18.5	1.94	2.79	22.2	2.29	2.85	23.8	2.43	2.87	29.2	2.92	2.93	34.5	3.38	3.00	38.3	3.65	3.07	39.9	3.76	3.11	45.2	4.08	3.25

MBH = 1000 BTUH COP = Coefficient of Performance kW= Kilo Watts

HEATING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

First Stage Low Speed (H1) Heating FSH1BG4CVRX48K with B64VMAX48K-C

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
750	60	3.4	1.06	0.95	5.0	1.36	1.07	7.1	1.94	1.07	8.0	2.18	1.07	11.0	3.00	1.08	14.1	3.85	1.07	16.2	4.43	1.07	17.1	4.64	1.08	20.1	5.46	1.08
	70	2.9	0.97	0.87	4.4	1.33	0.97	6.5	1.97	0.97	7.4	2.25	0.97	10.5	3.00	1.02	13.5	3.65	1.08	15.6	4.08	1.12	16.5	4.25	1.14	19.6	4.80	1.19
	80	2.3	0.55	1.24	3.8	0.89	1.27	6.0	1.34	1.30	6.9	1.53	1.31	9.9	2.16	1.34	12.9	2.79	1.36	15.1	3.23	1.37	16.0	3.40	1.38	19.0	3.91	1.43
900	60	3.6	1.07	0.98	5.1	1.38	1.08	7.2	1.92	1.10	8.1	2.16	1.11	11.2	2.95	1.11	14.2	3.78	1.10	16.3	4.40	1.09	17.2	4.66	1.08	20.3	5.48	1.08
	70	3.0	0.98	0.90	4.5	1.33	1.00	6.7	1.95	1.00	7.6	2.21	1.00	10.6	3.02	1.03	13.6	3.71	1.08	15.8	4.16	1.11	16.7	4.35	1.12	19.7	4.95	1.17
	80	2.5	0.60	1.21	4.0	0.90	1.30	6.1	1.34	1.33	7.0	1.53	1.35	10.0	2.14	1.37	13.1	2.76	1.39	15.2	3.21	1.39	16.1	3.39	1.39	19.1	3.98	1.41
1050	60	3.7	0.96	1.14	5.2	1.34	1.14	7.4	1.89	1.14	8.3	2.11	1.15	11.3	2.88	1.15	14.3	3.69	1.14	16.4	4.30	1.12	17.4	4.56	1.12	20.4	5.32	1.12
	70	3.2	0.98	0.94	4.7	1.32	1.04	6.8	1.91	1.04	7.7	2.17	1.04	10.7	3.00	1.05	13.8	3.70	1.09	15.9	4.17	1.12	16.8	4.37	1.13	19.8	5.01	1.16
	80	2.6	0.61	1.25	4.1	0.90	1.34	6.2	1.33	1.37	7.1	1.51	1.39	10.2	2.11	1.41	13.2	2.71	1.43	15.3	3.15	1.43	16.2	3.34	1.43	19.3	3.96	1.43

Second Stage Rating Speed (H4) Heating FSH1BG4CVRX48K with B64VMAX48K-C

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1200	60	20.5	2.18	2.76	23.9	2.49	2.81	28.7	2.88	2.92	30.8	3.01	3.00	37.6	3.38	3.26	44.5	3.68	3.54	49.3	3.83	3.77	51.4	3.88	3.88	58.2	6.08	2.81
	70	19.0	1.83	3.04	22.4	2.12	3.10	27.3	2.53	3.16	29.3	2.66	3.22	36.2	3.03	3.49	43.0	3.30	3.83	47.9	3.42	4.10	49.9	3.49	4.20	56.8	3.59	4.64
	80	17.6	1.54	3.34	21.0	1.81	3.40	25.8	2.15	3.51	27.9	2.28	3.58	34.7	2.64	3.86	41.6	2.92	4.17	46.4	3.07	4.43	48.5	3.13	4.53	55.3	3.23	5.01
1350	60	21.0	2.18	2.83	24.4	2.49	2.88	29.2	2.90	2.96	31.3	3.04	3.02	38.2	3.45	3.24	45.0	3.77	3.50	49.8	3.94	3.71	51.9	4.00	3.80	58.8	5.98	2.88
	70	19.6	1.84	3.11	23.0	2.13	3.17	27.8	2.56	3.18	29.9	2.71	3.23	36.7	3.09	3.48	43.6	3.38	3.79	48.4	3.52	4.03	50.5	3.59	4.12	57.3	3.71	4.53
	80	18.1	1.55	3.42	21.5	1.82	3.47	26.4	2.17	3.56	28.4	2.30	3.62	35.3	2.68	3.85	42.1	2.99	4.14	47.0	3.15	4.37	49.0	3.22	4.46	55.9	3.34	4.90
1500	60	21.5	2.16	2.93	25.0	2.46	2.98	29.8	2.87	3.04	31.8	3.03	3.09	38.7	3.47	3.27	45.6	3.81	3.50	50.4	4.00	3.69	52.4	4.07	3.78	59.3	5.83	2.98
	70	20.1	1.83	3.21	23.5	2.12	3.26	28.3	2.55	3.25	30.4	2.71	3.29	37.3	3.12	3.51	44.1	3.41	3.79	48.9	3.56	4.03	51.0	3.64	4.11	57.9	3.79	4.47
	80	18.7	1.56	3.51	22.1	1.82	3.56	26.9	2.16	3.65	29.0	2.30	3.69	35.8	2.70	3.90	42.7	3.01	4.15	47.5	3.19	4.36	49.6	3.26	4.45	56.4	3.41	4.86

First Stage Low Speed (H1) Heating FSH1BG4CVRX60K with B64VMAX60K-C

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
850	60	3.2	1.03	0.92	4.6	1.31	1.03	6.5	1.82	1.05	7.3	2.04	1.05	10.1	2.78	1.06	12.8	3.57	1.05	14.7	4.16	1.04	15.6	4.42	1.03	18.3	5.21	1.03
	70	2.1	0.65	0.97	3.5	1.07	0.97	5.4	1.65	0.96	6.3	1.91	0.96	9.0	2.75	0.96	11.8	3.45	1.00	13.7	3.92	1.02	14.5	4.11	1.03	17.2	4.73	1.07
	80	1.1	0.28	1.13	2.5	0.59	1.22	4.4	1.03	1.25	5.2	1.21	1.26	7.9	1.81	1.28	10.7	2.41	1.30	12.6	2.83	1.31	13.4	3.01	1.31	16.2	3.61	1.31
1000	60	3.2	0.89	1.07	4.6	1.28	1.06	6.5	1.79	1.07	7.4	2.00	1.08	10.1	2.72	1.09	12.9	3.49	1.08	14.8	4.08	1.06	15.6	4.34	1.05	18.3	5.10	1.06
	70	2.2	0.64	1.00	3.5	1.05	0.99	5.5	1.62	0.99	6.3	1.87	0.99	9.0	2.71	0.98	11.8	3.46	1.00	13.7	3.95	1.02	14.5	4.15	1.03	17.3	4.81	1.05
	80	1.1	0.26	1.22	2.5	0.58	1.24	4.4	1.01	1.27	5.2	1.20	1.28	8.0	1.78	1.31	10.7	2.37	1.33	12.6	2.78	1.33	13.5	2.97	1.33	16.2	3.58	1.33
1150	60	3.3	0.97	0.99	4.6	1.37	0.99	6.6	1.74	1.11	7.4	1.95	1.11	10.1	2.65	1.12	12.9	3.40	1.11	14.8	3.97	1.09	15.6	4.23	1.08	18.4	4.94	1.09
	70	2.2	0.63	1.03	3.6	1.02	1.03	5.5	1.57	1.02	6.3	1.81	1.02	9.1	2.63	1.01	11.8	3.41	1.01	13.7	3.91	1.03	14.5	4.13	1.03	17.3	4.81	1.05
	80	1.1	0.26	1.26	2.5	0.57	1.28	4.4	0.99	1.30	5.2	1.17	1.31	8.0	1.74	1.34	10.7	2.32	1.36	12.7	2.72	1.36	13.5	2.90	1.36	16.2	3.51	1.36

Second Stage Rating Speed (H4) Heating FSH1BG4CVRX60K with B64VMAX60K-C

O.D.T		5°F			10°			17°			20°			30°			40°			47°			50°			60°		
CFM	I.D.T	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1350	60	27.8	2.27	3.58	31.5	2.47	3.74	36.6	2.69	3.99	38.8	2.77	4.10	46.1	3.00	4.51	53.5	3.17	4.95	58.6	3.24	5.30	60.8	3.28	5.43	68.2	5.35	3.74
	70	26.7	1.97	3.97	30.4	2.14	4.17	35.5	2.34	4.44	37.7	2.42	4.56	45.1	2.65	4.99	52.4	2.81	5.46	57.5	2.90	5.81	59.8	2.94	5.96	67.1	2.97	6.63
	80	25.6	1.77	4.25	29.3	1.95	4.41	34.4	2.15	4.69	36.6	2.23	4.81	44.0	2.45	5.27	51.3	2.60	5.79	56.5	2.67	6.19	58.7	2.70	6.36	66.0	2.71	7.15
1500	60	28.4	2.32	3.59	32.1	2.52	3.73	37.2	2.75	3.96	39.4	2.84	4.07	46.8	3.08	4.45	54.1	3.26	4.86	59.3	3.35	5.18	61.5	3.39	5.31	68.8	5.41	3.73
	70	27.3	2.02	3.98	31.0	2.18	4.16	36.2	2.40	4.41	38.4	2.48	4.53	45.7	2.72	4.92	53.0	2.90	5.36	58.2	3.00	5.69	60.4	3.04	5.82	67.7	3.09	6.43
	80	26.3	1.80	4.27	29.9	1.99	4.42	35.1	2.20	4.67	37.3	2.28	4.79	44.6	2.51	5.22	52.0	2.67	5.70	57.1	2.76	6.07	59.3	2.79	6.23	66.7	2.81	6.95
1650	60	29.1	2.34	3.64	32.7	2.55	3.76	37.9	2.79	3.98	40.1	2.88	4.08	47.4	3.14	4.43	54.8	3.33	4.81	59.9	3.43	5.12	62.1	3.48	5.23	69.4	5.41	3.76
	70	28.0	2.04	4.02	31.6	2.22	4.19	36.8	2.44	4.42	39.0	2.52	4.53	46.3	2.77	4.90	53.7	2.96	5.31	58.8	3.07	5.61	61.0	3.12	5.74	68.4	3.18	6.30
	80	26.9	1.82	4.32	30.6	2.01	4.46	35.7	2.23	4.69	37.9	2.31	4.81	45.3	2.55	5.21	52.6	2.72	5.66	57.7	2.82	6.00	60.0	2.86	6.14	67.3	2.90	6.81

MBH = 1000 BTUH COP = Coefficient of Performance kW= Kilo Watts

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