

VSH4BF Series

Extra High Efficiency Heat Pump

Up to 16 SEER2/8.0HSPF2 Residential System 2 - 5 Ton Capacity

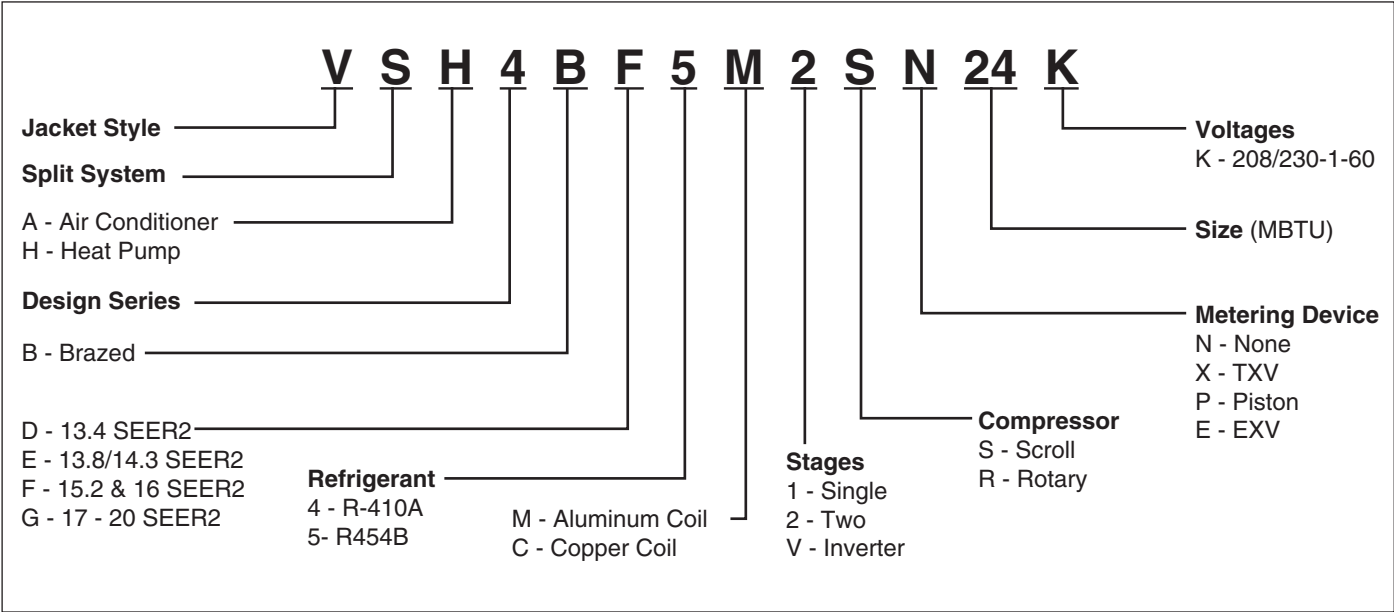
The VSH4BF Series of heat pumps offers exceptional performance as well as environmental protection. These models, when matched with our variable speed air handlers or variable speed equipped gas furnaces, offer a line of high quality heat pump systems rated up to 16 SEER2 and 8.0 HSPF2.



FEATURES and BENEFITS

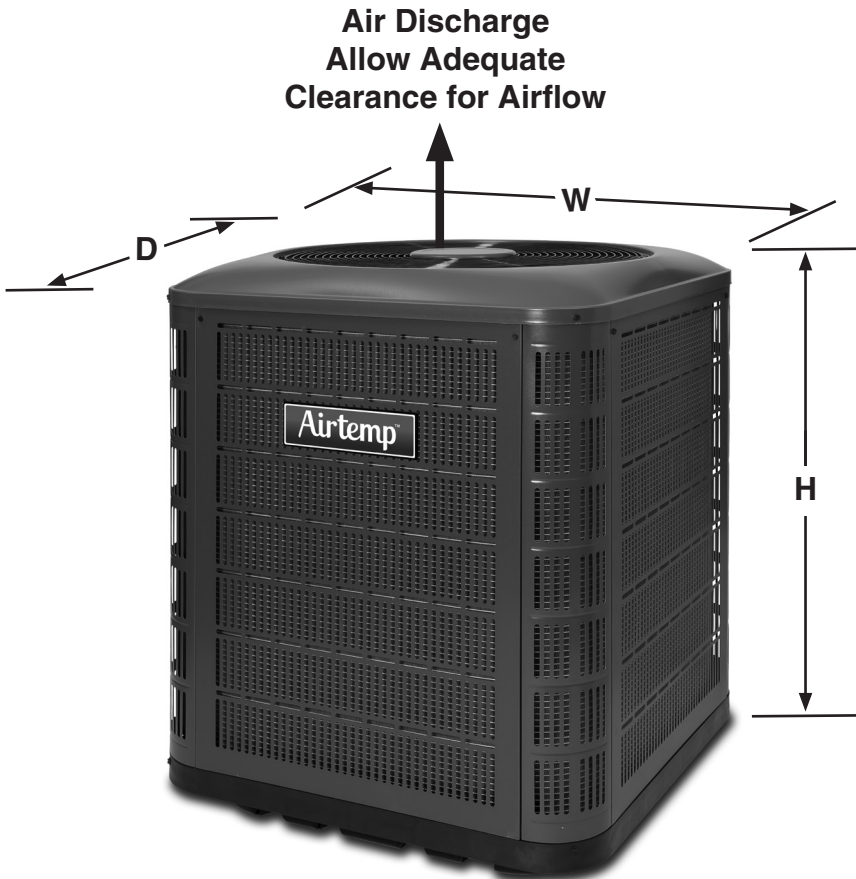
- **Copeland Scroll Two Stage Compressor:** The Two Stage Compressor operates at 2 different capacity points to provide superior comfort and efficiency. Copeland's proven and simple design equates to years of comfort and reliability for the homeowner with virtually silent operation.
- **Designed Using Galvanized Steel:** With powder-coated paint with a gloss finish that eliminates sharp edges and reduces scratching. It passes 950 hours of salt spray per ASTM Std. B117.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Aluminum Coils:** All aluminum coils in all models which provides high corrosion resistance.
- **Demand Defrost:** Provides additional energy savings in heating by defrosting only when necessary
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **Swept-Wing Fan Blade:** Designed to significantly reduce unwanted noise.
- **Low Pressure Switch:** Loss of charge protection ensures long compressor life. Auto-reset feature prevents nuisance service visits.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Liquid Line Filter Drier:** Included with unit, field installed.
- **One Piece Top/Orifice:** Designed for maximum airflow and quiet operation.
- **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.
- **Five Minute Restart Time Delay:** When the unit shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Suction Accumulator:** Protection from liquid flood back and future compressor failures.
- **Hot Gas Muffler:** Reduces compressor noise and vibration.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **Servicer-Friendly Jacket:** Side panels can be easily removed and replaced without removing the top grill.

MODEL IDENTIFICATION CODES



DIMENSIONS
HEAT PUMP OUTDOOR SECTION

VSH4BF	24K	36K	48K	60K
H	38.75	46.75	46.75	46.75
W	31.75	31.75	31.75	31.75
D	31.75	31.75	31.75	31.75



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

Up to 16 SEER2 — Extra High Efficiency — Single Phase

Model Number VSH4BF			24K	36K	48K	60K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1			
	Delay Fuse Max. (2)		20	30	40	50
	Min. Circuit Ampacity		13.7	19.2	25.5	30.4
	Fan Motor HP		1/8	1/5	1/3	1/3
	Locked Rotor Amp		62	90	138	149
Refrigerant suction line O.D. NOTE: Liquid line is 3/8" O.D. for entire length."		0-24 ft.	5/8"	3/4"	7/8"	7/8"
		25-39 ft.	3/4"	7/8"	7/8"	7/8"
		40-75 ft.	3/4"	7/8"	7/8"	1-1/8"
Approximate Weight (lbs.)		Ship	187	207	241	245
Sound Ratings db	Cool, Low Speed		68.7	76.8	71.5	76.3
	Cool, High Speed		70.6	76.4	76.6	78.5
	Heat, Low Speed		69.1	76.5	75.4	76.7
	Heat, High Speed		70.3	76.8	74.8	78.4

(1) Operating voltage range: 187v minimum - 253v maximum.

(2) HACR type circuit breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

(4) Requires 1-1/8" to 7/8" reducer from line to unit..

SYSTEM HEATING AND COOLING CAPACITIES

Up to 16 SEER2 — Extra High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	BTUH	SEER2	EER2	"HEAT CAP'Y 47 °F"	"HEAT CAP'Y 17 °F"	HSPF2	CFM
SH4BF5M2SX24K	B65VMMX24K-B	24,000	16.0	11.7	22,800	14,000	8.0	855
SH4BF5M2SX36K	B65VMMX3648K-C	36,000	16.0	11.7	34,200	21,600	8.0	1,250
SH4BF5M2SX48K	B65VMMX3648K-C	45,500	16.0	11.7	46,000	28,000	8.0	1,550
SH4BF5M2SX60K	B65VMMX60K-C	53,500	15.2	10.6	59,000	37,000	8.0	2,015

See current AHRI Directory for certified combinations and ratings.

www.ahridirectory.org

ACCESSORIES - Condensing Unit

Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

High Wind Tie-Down Kits - <http://miamitech.com/products/metal/cutdnortek.html>

Low Ambient Kit - 918837

Cantilever Mounting Kit - 1018671

Four mounting corner post/panel split system design to cantilever mounts.

COOLING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

SH4BF5M2SX24K + B65VMMX24K-B (High Speed)

CFM	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
	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	25.4	22.5	1.22	24.7	22.0	1.40	23.6	21.6	1.62	22.5	21.1	1.87	21.2	20.2	2.18	19.9	18.7	2.45
	80	67	27.8	18.8	1.22	26.8	18.4	1.39	25.9	18.1	1.60	24.6	17.4	1.80	23.3	16.8	2.05	22.0	16.4	2.35
	80	72	30.5	15.3	1.21	29.4	14.8	1.39	28.1	14.2	1.58	26.8	13.7	1.77	25.5	13.3	2.00	24.0	12.8	2.25
	75	62	25.3	18.8	1.22	24.5	18.4	1.40	23.5	18.0	1.62	22.5	17.6	1.87	21.3	17.1	2.18	19.8	16.1	2.47
	75	67	27.9	15.4	1.22	27.0	15.0	1.39	25.9	14.5	1.58	24.7	14.0	1.80	23.3	13.3	2.06	21.8	12.8	2.38
855	80	62	26.3	24.8	1.25	25.6	24.5	1.43	24.4	23.7	1.65	23.3	23.0	1.93	22.1	21.8	2.25	20.9	20.8	2.53
	80	67	28.8	20.6	1.24	27.7	20.0	1.43	26.7	19.9	1.63	25.4	19.2	1.83	24.0	18.7	2.08	22.6	18.1	2.37
	80	72	31.5	16.3	1.24	30.2	15.8	1.42	29.0	15.4	1.61	27.6	14.8	1.81	26.2	14.3	2.03	24.6	13.6	2.28
	75	62	26.3	20.8	1.25	25.3	20.2	1.43	24.5	20.1	1.64	23.2	19.3	1.91	21.8	18.6	2.21	20.5	18.1	2.42
	75	67	28.8	16.4	1.24	27.7	15.9	1.42	26.7	15.5	1.61	25.4	15.0	1.83	24.0	14.5	2.09	22.5	13.9	2.37
890	80	62	26.5	25.4	1.26	25.8	25.1	1.44	24.6	24.1	1.66	23.5	23.1	1.94	22.3	22.1	2.26	21.1	21.1	2.54
	80	67	29.0	21.0	1.25	28.0	20.6	1.43	26.9	20.3	1.64	25.7	19.8	1.83	24.1	19.1	2.10	22.8	18.5	2.38
	80	72	31.6	16.6	1.24	30.4	16.1	1.43	29.1	15.5	1.62	27.7	15.0	1.82	26.3	14.5	2.04	24.7	14.0	2.29
	75	62	26.4	21.1	1.26	25.7	20.8	1.44	24.7	20.5	1.65	23.3	19.7	1.92	22.0	19.0	2.21	20.7	18.3	2.50
	75	67	28.8	16.6	1.25	27.8	16.2	1.43	26.7	15.8	1.62	25.5	15.3	1.83	24.0	14.6	2.10	22.6	14.1	2.38

SH4BF5M2SX24K + B65VMMX24K-B (Low Speed)

CFM	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
	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.
470	80	62	17.9	15.6	0.76	17.4	15.3	0.90	16.6	14.5	1.15	15.6	14.4	1.43	14.4	13.6	1.76	13.6	13.3	1.86
	80	67	19.5	13.1	0.73	19.0	12.8	0.87	18.4	12.6	1.07	17.3	12.1	1.26	16.3	11.7	1.51	15.3	11.2	1.76
	80	72	21.9	11.0	0.70	20.7	10.4	0.85	20.2	10.3	0.99	19.0	9.7	1.16	18.1	9.5	1.34	17.1	9.0	1.57
	75	62	17.8	13.1	0.76	17.3	12.7	0.90	16.5	12.3	1.14	15.5	11.9	1.44	14.3	11.3	1.77	13.6	11.3	1.86
	75	67	19.4	10.7	0.74	18.9	10.4	0.87	18.2	10.1	1.04	17.3	9.7	1.26	16.2	9.3	1.51	15.3	8.9	1.74
570	80	62	18.6	17.2	0.75	18.0	16.9	0.89	17.2	16.0	1.14	16.2	15.8	1.42	15.1	15.0	1.74	14.4	14.4	1.81
	80	67	20.3	14.4	0.72	19.6	14.0	0.87	19.0	13.8	1.07	17.9	12.8	1.25	16.8	12.9	1.50	15.9	12.6	1.75
	80	72	22.4	11.6	0.70	21.5	11.2	0.84	20.7	11.0	0.99	19.7	10.6	1.16	18.7	10.1	1.34	17.6	9.8	1.56
	75	62	18.5	14.3	0.76	18.0	13.8	0.89	17.1	13.3	1.14	16.1	13.1	1.43	14.9	12.7	1.74	14.1	12.5	1.81
	75	67	20.2	11.5	0.72	19.5	11.2	0.87	18.8	10.8	1.03	17.8	10.4	1.25	16.8	10.1	1.50	15.8	9.8	1.75
585	80	62	18.5	17.4	0.75	18.1	17.1	0.90	17.3	16.2	1.14	16.3	16.0	1.43	15.1	14.9	1.74	14.5	14.5	1.81
	80	67	20.4	14.5	0.73	19.8	14.2	0.87	19.0	14.0	1.07	18.0	13.0	1.26	16.9	13.0	1.51	15.9	12.6	1.76
	80	72	22.4	11.6	0.71	21.6	11.4	0.85	20.6	11.0	1.00	19.8	10.7	1.16	18.8	10.2	1.34	17.5	9.5	1.58
	75	62	18.4	14.4	0.75	18.0	13.9	0.90	17.1	13.5	1.14	16.1	13.0	1.43	14.9	12.9	1.75	14.1	12.5	1.81
	75	67	20.3	11.6	0.73	19.6	11.2	0.87	18.9	10.9	1.03	17.9	10.5	1.25	16.9	10.2	1.51	15.9	9.9	1.75

SH4BF5M2SX36K + B65VMMX3648K-C (High Speed)

CFM	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
	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.
1100	80	62	36.5	31.8	2.11	34.8	30.9	2.31	33.1	30.1	2.54	31.5	29.0	2.80	29.8	28.5	3.10	27.9	27.4	3.45
	80	67	40.1	26.7	2.14	38.3	25.9	2.34	36.3	24.5	2.57	34.6	23.7	2.84	32.8	22.7	3.15	30.7	21.9	3.51
	80	72	43.3	21.4	2.16	41.3	20.6	2.36	39.4	19.7	2.58	37.6	19.0	2.86	35.9	18.5	3.18	33.9	17.7	3.55
	75	62	36.4	26.8	2.11	34.7	25.9	2.31	33.0	24.5	2.54	31.4	24.3	2.80	29.7	23.4	3.10	27.7	22.7	3.45
	75	67	39.9	21.6	2.14	38.2	20.9	2.34	36.5	20.2	2.57	34.7	19.5	2.84	32.9	18.7	3.15	30.9	17.8	3.52
1245	80	62	37.3	33.7	2.15	35.3	31.2	2.35	33.8	31.9	2.58	32.1	31.1	2.84	30.4	29.9	3.14	28.6	28.6	3.49
	80	67	41.0	28.2	2.18	39.1	27.4	2.38	36.9	25.7	2.61	35.5	25.8	2.88	33.6	24.9	3.19	31.5	24.2	3.55
	80	72	44.2	22.3	2.19	42.1	21.4	2.39	40.2	20.7	2.62	38.2	19.8	2.89	36.5	19.3	3.21	34.4	18.6	3.58
	75	62	37.1	28.1	2.14	35.5	27.4	2.35	33.5	25.6	2.57	32.0	25.7	2.84	30.1	25.0	3.14	28.1	24.0	3.49
	75	67	40.8	22.6	2.18	38.8	21.6	2.38	37.1	20.8	2.61	35.4	20.3	2.88	33.5	19.5	3.19	31.3	18.6	3.55
1350	80	62	37.7	34.3	2.18	35.9	34.1	2.38	34.2	33.2	2.60	32.6	32.0	2.87	31.0	31.0	3.17	29.2	29.3	3.52
	80	67	41.4	29.2	2.21	39.6	28.4	2.41	37.3	26.5	2.64	35.5	25.6	2.90	33.9	25.8	3.22	31.7	25.2	3.58
	80	72	44.6	22.8	2.22	42.5	22.0	2.42	40.7	21.3	2.65	38.8	20.6	2.92	36.8	19.9	3.24	34.7	19.1	3.61
	75	62	37.6	29.1	2.18	35.8	28.3	2.38	33.9	26.5	2.60	32.3	26.7	2.86	30.4	25.9	3.17	28.4	25.0	3.51
	75	67	41.3	23.2	2.21	39.3	22.1	2.41	37.4	21.3	2.64	35.7	20.8	2.90	33.8	20.0	3.22	31.6	19.2	3.58

SH4BF5M2SX36K + B65VMMX3648K-C (Low Speed)

	O.D.T	I.W.B	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.
735	80	62	27.1	22.9	1.63	25.9	22.3	1.87	24.7	21.7	2.14	23.4	21.2	2.45	22.3	20.7	2.49	20.7	20.0	3.03
	80	67	29.6	19.3	1.59	28.5	19.1	1.82	27.3	18.4	2.10	25.6	17.8	1.93	24.2	17.2	2.20	22.8	16.4	2.50
	80	72	32.8	16.3	1.54	31.1	15.5	1.80	29.9	15.0	2.06	27.9	14.3	1.92	26.4	13.7	2.19	24.7	12.9	2.49
	75	62	27.0	19.6	1.62	25.9	19.0	1.86	24.6	18.5	2.13	23.3	17.8	2.44	22.2	17.3	2.49	20.5	16.5	3.04
	75	67	29.7	16.2	1.58	28.4	15.6	1.82	26.7	14.9	1.69	25.4	14.4	1.93	24.1	13.7	2.20	22.6	13.1	2.50
835	80	62	27.8	24.3	1.63	26.6	24.0	1.86	25.3	23.3	2.14	24.0	22.8	2.44	22.9	22.2	2.49	21.3	21.2	3.02
	80	67	30.4	20.3	1.59	29.1	20.0	1.83	27.9	19.4	2.11	26.1	18.9	1.94	24.7	18.1	2.21	23.2	17.4	2.51
	80	72	33.6	17.0	1.54	31.8	16.1	1.80	30.5	15.7	2.07	28.4	14.9	1.93	26.9	14.3	2.20	25.2	13.6	2.51
	75	62	27.7	20.7	1.62	26.6	20.3	1.86	25.2	19.6	2.13	23.8	18.9	2.44	22.7	18.3	2.49	20.9	17.6	3.04
	75	67	30.4	16.9	1.58	28.9	16.2	1.82	27.3	15.5	1.69	25.9	15.0	1.94	24.5	14.4	2.21	23.0	13.8	2.51
905	80	62	28.2	25.3	1.63	27.0	24.9	1.87	25.7	24.4	2.13	24.3	23.7	2.44	23.1	22.5	2.49	21.8	21.8	3.02
	80	67	30.8	21.0	1.59	29.6	20.8	1.83	28.3	20.2	2.10	26.4	19.6	1.95	24.9	18.9	2.22	23.4	18.1	2.52
	80	72	34.0	17.5	1.54	32.4	16.5	1.80	30.9	16.2	2.06	28.7	15.3	1.94	27.2	14.7	2.21	25.4	14.2	2.51
	75	62	28.1	21.5	1.62	26.9	20.9	1.87	25.5	20.2	2.14	24.2	19.6	2.45	23.0	19.1	2.49	21.2	18.3	3.04
	75	67	30.8	17.3	1.58	29.3	16.6	1.83	27.7	16.0	1.70	26.2	15.4	1.95	24.8	14.8	2.22	23.2	14.1	2.52

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

SH4BF5M2SX48K + B65VMMX3648K-C (High Speed)

CFM	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
	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.
1400	80	62	49.7	42.5	2.87	47.5	41.7	3.17	45.4	40.7	3.52	43.1	39.6	3.93	40.6	38.3	4.40	38.1	36.9	4.94
	80	67	52.4	34.5	2.78	49.7	33.4	3.05	47.1	31.9	3.37	45.3	31.8	3.75	43.4	30.6	4.19	41.5	29.8	4.70
	80	72	52.7	25.1	2.86	54.8	26.8	3.19	53.8	26.6	3.55	51.3	25.7	3.96	48.3	24.3	4.42	43.5	21.7	4.95
	75	62	49.5	35.9	2.87	47.3	35.0	3.17	45.2	34.1	3.52	43.0	33.0	3.93	40.5	31.8	4.40	38.0	30.5	4.95
	75	67	52.1	28.2	2.77	49.6	27.2	3.05	47.1	26.1	3.37	45.1	25.2	3.74	43.2	24.5	4.18	41.3	23.6	4.69
1550	80	62	50.7	44.7	2.92	48.2	43.8	3.22	46.0	42.7	3.58	43.7	41.5	3.99	41.2	40.2	4.45	38.8	38.2	5.00
	80	67	52.1	35.9	2.84	50.4	34.8	3.11	47.7	32.9	3.43	45.8	33.3	3.81	43.9	31.9	4.25	42.0	31.3	4.76
	80	72	59.4	25.1	2.91	55.2	27.2	3.24	54.3	27.2	3.60	51.8	26.4	4.01	48.7	24.9	4.48	43.5	21.7	5.00
	75	62	50.4	37.5	2.92	48.2	36.6	3.22	45.9	35.5	3.58	43.5	34.4	3.98	41.1	33.3	4.45	38.4	32.1	5.00
	75	67	52.8	29.1	2.83	50.3	28.0	3.11	47.8	27.0	3.43	45.6	26.1	3.81	43.7	25.3	4.25	41.7	24.4	4.75
1800	80	62	51.5	47.9	3.02	49.2	45.2	3.33	47.0	45.6	3.68	44.6	44.1	4.08	42.4	41.9	4.56	40.2	40.1	5.10
	80	67	53.2	38.1	2.95	51.3	37.0	3.22	48.7	36.3	3.54	46.1	33.7	3.91	44.5	34.4	4.36	42.5	33.2	4.87
	80	72	59.9	25.0	3.01	55.3	27.4	3.34	54.8	28.1	3.71	52.4	27.3	4.12	49.0	25.5	4.58	43.2	21.6	5.10
	75	62	51.4	39.8	3.02	49.1	38.9	3.33	46.8	37.9	3.68	44.3	36.9	4.08	41.6	35.7	4.55	38.9	34.3	5.09
	75	67	53.7	30.1	2.94	51.0	29.3	3.22	48.5	28.2	3.54	46.3	27.2	3.92	44.3	26.4	4.36	42.2	25.4	4.87

SH4BF5M2SX48K + B65VMMX3648K-C (Low Speed)

CFM	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
	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.
935	80	62	33.9	28.7	1.50	32.6	28.2	1.76	30.9	27.4	2.03	29.0	26.5	2.31	26.9	25.5	2.63	24.9	24.3	2.99
	80	67	37.3	24.4	1.50	36.1	23.7	1.76	34.3	22.9	2.03	32.1	22.1	2.32	29.8	21.1	2.63	27.5	20.0	2.99
	80	72	40.7	20.1	1.49	39.1	19.4	1.75	37.2	18.7	2.02	35.1	17.9	2.31	32.7	17.0	2.64	30.3	16.0	3.00
	75	62	33.8	24.5	1.50	32.5	23.8	1.76	30.8	23.1	2.02	28.9	22.2	2.31	26.9	21.2	2.63	24.7	20.2	2.99
	75	67	37.3	20.3	1.50	36.0	19.7	1.76	34.2	18.9	2.03	32.0	18.0	2.31	29.6	16.9	2.63	27.3	16.0	2.99
1045	80	62	34.9	30.1	1.52	33.2	29.8	1.78	31.5	29.0	2.05	29.6	28.0	2.33	27.5	26.8	2.66	25.5	25.5	3.01
	80	67	38.1	25.5	1.52	36.8	24.9	1.79	35.0	24.1	2.06	32.8	22.9	2.34	30.3	22.3	2.65	28.0	20.9	3.01
	80	72	41.6	20.8	1.52	39.9	20.1	1.78	37.9	19.4	2.05	35.7	18.5	2.34	33.3	17.5	2.66	30.8	16.6	3.02
	75	62	34.6	25.5	1.52	33.1	25.0	1.78	31.4	24.2	2.05	29.5	23.3	2.34	27.4	22.0	2.65	25.1	21.3	3.02
	75	67	37.9	20.9	1.52	36.8	20.4	1.79	34.9	19.6	2.06	32.6	18.7	2.34	30.2	17.6	2.66	27.8	16.6	3.02
1205	80	62	35.5	32.6	1.56	34.0	31.8	1.82	32.2	31.0	2.09	30.3	29.7	2.37	28.4	28.4	2.70	26.5	26.5	3.06
	80	67	39.0	27.0	1.56	37.6	26.4	1.83	35.7	25.6	2.10	33.4	24.2	2.38	30.9	23.5	2.70	28.4	22.2	3.06
	80	72	42.5	21.7	1.56	40.8	21.0	1.82	38.7	20.2	2.09	36.4	19.3	2.39	33.9	18.5	2.71	31.3	17.5	3.07
	75	62	35.4	27.2	1.56	33.9	26.5	1.82	32.1	25.7	2.09	30.1	24.7	2.38	27.9	23.7	2.70	25.6	22.0	3.06
	75	67	38.8	21.8	1.56	37.6	21.2	1.83	35.7	20.4	2.10	33.3	19.5	2.38	30.7	18.4	2.70	28.3	17.4	3.06

SH4BF5M2SX60K + B65VMMX60K-C (High Speed)

CFM	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
	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.
1750	80	62	58.8	49.8	3.89	56.1	48.5	4.29	53.6	47.2	4.73	50.9	45.9	5.25	48.0	44.4	5.85	46.1	45.8	6.42
	80	67	61.8	41.0	3.58	59.2	39.8	3.89	57.3	39.0	4.14	54.0	37.6	4.68	51.4	36.4	5.17	48.8	35.2	5.74
	80	72	69.4	33.9	3.91	66.4	32.7	4.29	63.7	31.6	4.73	60.8	30.5	5.25	57.4	29.2	5.87	55.1	28.8	6.44
	75	62	58.1	41.9	3.90	55.8	40.8	4.29	53.3	39.5	4.73	50.7	38.2	5.25	47.8	36.8	5.85	45.8	37.5	6.43
	75	67	61.6	33.4	3.57	58.9	32.1	3.89	56.3	31.0	4.26	53.7	29.9	4.68	51.2	28.9	5.17	48.5	27.8	5.73
1900	80	62	59.0	51.3	4.00	56.6	50.1	4.38	54.1	48.8	4.84	51.3	47.5	5.35	48.4	46.1	5.94	45.8	45.8	6.42
	80	67	62.4	42.2	3.68	59.6	41.0	3.99	57.8	40.2	4.25	54.3	38.7	4.78	51.7	37.4	5.28	49.1	36.1	5.84
	80	72	70.1	34.6	4.01	67.1	33.4	4.38	64.4	32.4	4.83	61.3	31.1	5.36	57.8	29.7	5.96	55.1	28.8	6.44
	75	62	58.7	43.1	3.99	56.4	41.9	4.38	53.8	40.7	4.83	51.1	39.4	5.34	48.1	38.0	5.94	45.8	37.5	6.59
	75	67	62.1	33.9	3.68	59.4	32.8	3.99	56.7	31.7	4.36	54.0	30.6	4.78	51.5	29.5	5.27	48.7	28.2	5.83
2000	80	62	59.3	52.3	4.07	56.9	51.1	4.46	54.3	49.9	4.91	51.5	48.6	5.43	48.6	47.0	6.02	46.4	47.5	6.47
	80	67	62.7	42.9	3.77	59.8	41.7	4.08	58.0	40.9	4.33	54.5	39.2	4.87	51.9	37.9	5.36	49.1	36.7	5.92
	80	72	70.5	35.0	4.09	67.5	33.8	4.46	64.7	32.7	4.91	61.5	31.4	5.44	58.0	30.0	6.04	55.3	29.6	6.48
	75	62	59.0	43.8	4.07	56.6	42.6	4.46	54.0	41.4	4.90	50.8	39.6	5.41	48.3	38.7	6.02	45.9	39.0	6.59
	75	67	62.4	34.3	3.76	59.6	33.2	4.08	56.9	32.1	4.44	54.2	31.0	4.86	51.5	29.7	5.36	48.8	28.5	5.92

SH4BF5M2SX60K + B65VMMX60K-C (Low Speed)

	O.D.T	I.W.B	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.
1175	80	62	41.4	36.3	1.97	39.3	35.3	2.29	37.6	34.6	2.58	35.2	33.3	2.97	33.0	32.1	3.37	30.7	30.7	3.80
	80	67	45.3	30.5	1.94	43.4	29.6	2.28	42.4	29.2	2.43	38.9	27.7	2.96	36.5	26.6	3.36	33.8	25.6	3.80
	80	72	49.4	24.6	1.95	47.5	23.9	2.22	45.2	23.0	2.58	42.9	22.1	2.95	40.1	21.0	3.35	37.3	19.9	3.80
	75	62	41.0	30.5	1.99	39.4	29.8	2.26	37.5	29.0	2.58	35.3	27.9	2.94	32.8	26.7	3.36	30.4	25.6	3.80
	75	67	45.1	24.9	1.94	43.2	24.0	2.28	41.2	23.1	2.60	38.8	22.1	2.95	36.3	21.1	3.36	33.7	20.0	3.79
1275	80	62	41.8	37.8	2.00	40.1	37.0	2.27	38.1	36.0	2.59	36.0	34.9	2.94	33.6	33.5	3.38	31.5	31.5	3.81
	80	67	46.1	31.6	1.94	44.1	30.7	2.28	43.0	30.3	2.44	39.4	28.9	2.96	37.0	27.9	3.36	34.2	26.6	3.81
	80	72	50.1	25.2	1.96	48.2	24.6	2.23	45.8	23.7	2.59	43.5	22.8	2.96	40.7	21.7	3.36	37.8	20.5	3.80
	75	62	41.9	31.8	1.97	39.9	30.9	2.27	38.0	30.0	2.58	35.9	29.0	2.94	33.3	27.8	3.37	30.8	26.7	3.81
	75	67	45.9	25.6	1.94	43.9	24.7	2.28	41.8	23.7	2.60	39.5	22.9	2.96	36.8	21.8	3.36	34.1	20.6	3.81
1340	80	62	42.2	38.8	2.00	40.5	37.9	2.27	38.4	36.9	2.59	36.4	35.8	2.95	34.1	34.1	3.38	32.0	32.0	3.82
	80	67	46.5	32.3	1.95	44.5	31.4	2.29	43.4	31.0	2.44	39.8	29.6	2.97	37.3	28.5	3.37	34.5	27.3	3.81
	80	72	50.5	25.7	1.96	48.5	25.0	2.27	46.2	24.2	2.60	43.7	23.2	2.96	41.0	22.1	3.37	38.0	20.9	3.81
	75	62	42.3	32.6	1.98	40.3	31.6	2.27	38.4	30.7	2.59	36.2	29.7	2.95	33.5	28.6	3.38	31.0	27.4	3.82
	75	67	46.3	26.0	1.95	44.3	25.1	2.29	42.1	24.3	2.61	39.6	23.3	2.97	37.1	22.2	3.37	34.3	21.0	3.81

HEATING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

SH4BF5M2SX24K + B65VMMX24K-B (High Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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	11.8	2.56	1.36	13.1	2.77	1.38	12.9	2.75	1.37	13.1	2.80	1.38	16.0	3.29	1.43	19.1	3.78	1.48	21.5	4.13	1.53	22.6	4.27	1.55	26.3	4.73	1.61
	70	11.3	2.22	1.50	12.5	2.42	1.52	14.3	2.69	1.55	15.0	2.80	1.57	17.7	3.19	1.62	20.5	3.56	1.69	22.6	3.82	1.74	23.5	3.92	1.76	26.8	4.25	1.85
	80	8.6	1.58	1.59	9.7	1.75	1.62	11.3	2.01	1.65	14.5	2.46	1.73	17.1	2.79	1.79	19.8	3.12	1.86	21.9	3.34	1.92	22.8	3.42	1.95	25.9	3.70	2.05
855	60	12.1	2.61	1.36	13.3	2.84	1.37	13.1	2.82	1.37	13.4	2.87	1.37	16.3	3.40	1.41	19.5	3.95	1.45	22.0	4.34	1.48	23.1	4.52	1.50	26.8	5.11	1.56
	70	11.6	2.27	1.49	12.8	2.48	1.51	14.5	2.77	1.54	15.3	2.90	1.55	18.1	3.32	1.59	21.0	3.75	1.64	23.1	4.05	1.68	24.1	4.17	1.69	27.6	4.59	1.76
	80	8.7	1.60	1.61	9.9	1.79	1.62	11.6	2.07	1.64	14.8	2.54	1.71	17.4	2.92	1.75	20.2	3.28	1.81	22.5	3.55	1.86	23.3	3.65	1.88	26.7	4.00	1.96
890	60	12.1	2.62	1.36	13.4	2.85	1.37	13.2	2.83	1.37	13.5	2.88	1.37	16.4	3.41	1.41	19.6	3.98	1.45	22.1	4.38	1.48	23.2	4.55	1.49	28.3	5.35	1.55
	70	11.6	2.28	1.49	12.8	2.49	1.51	14.6	2.78	1.54	15.4	2.91	1.55	18.1	3.35	1.59	21.1	3.78	1.63	23.2	4.08	1.67	24.2	4.21	1.69	27.8	4.67	1.74
	80	8.8	1.59	1.61	9.9	1.79	1.62	11.6	2.07	1.64	14.9	2.51	1.74	17.5	2.94	1.75	20.3	3.31	1.80	22.6	3.59	1.85	23.5	3.69	1.87	26.9	4.05	1.94

SH4BF5M2SX24K + B65VMMX24K-B (Low Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
480	60	10.1	2.72	1.08	10.8	2.91	1.08	11.7	3.17	1.08	12.1	3.28	1.08	13.8	3.69	1.10	15.6	4.12	1.11	17.0	4.42	1.13	17.7	4.56	1.14	20.0	5.02	1.17
	70	10.3	2.49	1.21	10.6	2.62	1.19	11.5	2.81	1.20	12.0	2.90	1.21	13.6	3.24	1.23	15.4	3.59	1.26	16.8	3.84	1.28	17.4	3.95	1.29	19.5	4.30	1.33
	80	10.2	2.27	1.31	10.8	2.38	1.33	11.6	2.53	1.35	11.5	2.52	1.34	11.2	2.49	1.32	12.6	2.74	1.35	13.8	2.95	1.37	14.3	3.04	1.38	16.4	3.38	1.42
590	60	10.6	3.16	1.00	11.2	3.19	1.03	12.1	3.22	1.10	12.5	3.23	1.13	14.3	3.80	1.10	16.3	4.37	1.10	17.9	4.77	1.10	18.7	4.94	1.11	21.4	5.50	1.14
	70	9.7	2.12	1.35	10.6	2.36	1.33	11.8	2.69	1.29	12.3	2.83	1.27	14.1	3.31	1.24	16.1	3.80	1.24	17.7	4.14	1.25	18.3	4.27	1.26	20.7	4.73	1.28
	80	11.7	2.35	1.45	11.8	2.38	1.45	11.9	2.41	1.45	11.9	2.42	1.45	12.1	2.46	1.45	13.8	2.83	1.43	15.3	3.16	1.42	16.0	3.31	1.42	18.5	3.81	1.43
600	60	9.6	2.74	1.05	10.5	2.97	1.05	11.7	3.28	1.05	12.2	3.41	1.05	13.8	3.88	1.05	15.8	4.41	1.05	17.2	4.80	1.05	17.9	4.97	1.06	20.2	5.53	1.09
	70	10.2	2.50	1.20	10.6	2.65	1.18	11.6	2.90	1.17	12.0	3.01	1.17	13.7	3.41	1.18	15.6	3.83	1.19	17.0	4.15	1.20	17.6	4.29	1.20	19.8	4.76	1.22
	80	10.3	2.28	1.34	10.9	2.42	1.33	11.7	2.61	1.31	11.8	2.64	1.30	12.3	2.74	1.30	12.7	2.85	1.30	13.9	3.11	1.31	14.5	3.22	1.32	16.6	3.64	1.34

SH4BF5M2SX36K + B65VMMX3648K-C (High Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
1100	60	17.1	1.72	2.92	19.3	2.57	2.20	22.3	2.93	2.24	23.6	3.08	2.25	28.0	3.56	2.30	32.3	4.03	2.35	35.4	4.34	2.39	36.7	4.48	2.40	41.1	4.90	2.46
	70	16.5	1.59	3.04	18.6	2.42	2.25	21.5	2.74	2.30	22.7	2.87	2.32	26.9	3.31	2.38	31.0	3.72	2.45	33.9	3.99	2.49	35.2	4.11	2.51	39.3	4.48	2.57
	80	16.1	1.48	3.19	18.0	2.27	2.33	20.8	2.56	2.38	21.9	2.68	2.40	25.9	3.07	2.47	29.8	3.44	2.54	32.5	3.69	2.58	33.7	3.79	2.60	37.6	4.12	2.67
1245	60	17.2	1.71	2.94	19.4	2.53	2.25	22.5	2.89	2.28	23.8	3.04	2.30	28.3	3.54	2.34	32.7	4.01	2.39	35.8	4.34	2.42	37.2	4.47	2.44	41.6	4.91	2.48
	70	16.7	1.60	3.05	18.8	2.39	2.31	21.7	2.71	2.35	23.0	2.85	2.37	27.2	3.29	2.43	31.4	3.71	2.49	34.4	3.99	2.53	35.6	4.11	2.54	39.9	4.49	2.60
	80	16.2	1.50	3.16	18.2	2.24	2.38	21.0	2.54	2.42	22.2	2.66	2.44	26.2	3.06	2.51	30.2	3.43	2.58	33.0	3.69	2.63	34.2	3.79	2.65	38.2	4.13	2.71
1350	60	17.2	1.71	2.95	19.4	2.49	2.29	22.6	2.86	2.32	24.0	3.01	2.33	28.5	3.51	2.38	33.0	4.00	2.42	36.1	4.32	2.45	37.5	4.46	2.46	42.0	4.91	2.51
	70	16.8	1.61	3.06	18.9	2.37	2.34	21.9	2.70	2.38	23.2	2.83	2.40	27.4	3.28	2.46	31.7	3.70	2.51	34.7	3.99	2.55	36.0	4.11	2.57	40.2	4.49	2.63
	80	16.3	1.52	3.15	18.3	2.23	2.41	21.1	2.52	2.46	22.3	2.64	2.48	26.4	3.04	2.54	30.4	3.42	2.61	33.2	3.67	2.65	34.4	3.78	2.67	38.5	4.12	2.74

SH4BF5M2SX36K + B65VMMX3648K-C (Low Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
735	60	11.4	2.16	1.56	12.6	2.40	1.54	14.2	2.62	1.59	15.0	2.75	1.59	17.6	3.21	1.61	20.5	3.69	1.63	22.9	4.05	1.66	23.7	4.18	1.67	27.4	4.73	1.70
	70	11.4	1.90	1.76	12.6	1.95	1.89	14.3	2.01	2.09	15.2	2.12	2.10	18.3	2.64	2.04	21.4	3.19	1.97	23.5	3.51	1.96	24.1	3.61	1.96	26.6	4.05	1.92
	80	10.6	1.59	1.96	11.8	1.78	1.94	13.3	1.95	2.00	14.0	2.05	2.01	16.6	2.38	2.04	19.3	2.72	2.08	21.4	2.97	2.11	22.2	3.06	2.13	25.5	3.47	2.16
835	60	11.5	2.23	1.52	12.7	2.44	1.52	14.3	2.67	1.57	15.1	2.81	1.57	17.8	3.30	1.58	20.7	3.83	1.59	23.1	4.24	1.60	24.0	4.38	1.61	27.8	5.01	1.62
	70	11.5	1.94	1.74	12.6	1.95	1.90	14.4	2.00	2.10	15.2	2.11	2.11	18.3	2.63	2.04	21.6	3.29	1.93	23.7	3.67	1.89	24.4	3.79	1.89	27.0	4.28	1.85
	80	10.8	1.63	1.94	11.9	1.83	1.91	13.5	2.00	1.97	14.2	2.10	1.98	16.8	2.46	2.00	19.5	2.83	2.03	21.7	3.10	2.05	22.5	3.21	2.06	25.9	3.66	2.08
905	60	11.6	2.21	1.53	12.7	2.40	1.55	14.4	2.70	1.56	15.1	2.84	1.56	17.9	3.36	1.56	20.8	3.91	1.56	23.3	4.35	1.57	24.2	4.50	1.57	28.0	5.18	1.58
	70	11.6	1.96	1.73	12.7	1.94	1.91	14.4	1.99	2.11	15.3	2.11	2.12	18.4	2.62	2.05	21.7	3.31	1.92	23.8	3.76	1.86	24.5	3.89	1.85	27.2	4.41	1.81
	80	10.9	1.65	1.93	12.0	1.85	1.91	13.5	2.02	1.96	14.3	2.13	1.96	16.9	2.50	1.98	19.7	2.89	2.00	21.8	3.18	2.01	22.7	3.29	2.02	26.1	3.77	2.03

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

SH4BF5M2SX48K + B65VMMX3648K-C (High Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
1400	60	15.5	1.28	3.53	18.0	1.48	3.56	22.9	1.87	3.58	25.3	2.06	3.59	32.9	2.66	3.62	40.2	3.24	3.64	45.5	3.66	3.65	47.4	3.80	3.66	53.7	4.26	3.69
	70	19.9	1.49	3.91	23.3	1.99	3.43	27.3	2.61	3.06	28.9	2.81	3.02	34.0	3.18	3.14	40.2	3.52	3.35	45.5	3.71	3.60	47.6	3.73	3.75	55.3	3.84	4.22
	80	12.8	0.86	4.36	15.4	1.03	4.39	19.2	1.27	4.44	20.9	1.37	4.45	26.9	1.75	4.51	33.7	2.17	4.54	38.9	2.50	4.56	41.2	2.64	4.57	49.3	3.12	4.64
1550	60	15.6	1.28	3.58	18.2	1.48	3.60	23.1	1.86	3.63	25.4	2.05	3.64	33.0	2.64	3.67	40.4	3.21	3.68	45.7	3.63	3.69	47.6	3.78	3.70	53.9	4.28	3.73
	70	20.1	1.49	3.96	23.5	1.98	3.47	27.4	2.59	3.10	29.2	2.82	3.04	34.5	3.23	3.13	40.7	3.59	3.33	46.0	3.76	3.59	47.9	3.76	3.74	55.7	3.88	4.21
	80	13.0	0.86	4.41	15.5	1.03	4.44	19.4	1.27	4.49	21.0	1.37	4.50	27.1	1.74	4.55	33.8	2.16	4.59	39.1	2.49	4.60	41.4	2.63	4.61	49.6	3.13	4.65
1800	60	16.0	1.27	3.68	18.5	1.47	3.70	23.4	1.84	3.73	25.8	2.02	3.74	33.4	2.60	3.77	40.7	3.16	3.78	46.1	3.57	3.79	48.0	3.71	3.79	54.3	4.17	3.79
	70	20.4	1.48	4.05	23.8	1.95	3.57	27.8	2.55	3.20	29.6	2.78	3.12	35.1	3.26	3.15	41.4	3.62	3.35	46.6	3.76	3.63	48.5	3.75	3.79	56.2	3.87	4.26
	80	13.3	0.86	4.51	15.9	1.03	4.54	19.7	1.26	4.58	21.4	1.36	4.60	27.4	1.73	4.65	34.2	2.14	4.69	39.4	2.46	4.70	41.8	2.60	4.71	51.5	3.33	4.54

SH4BF5M2SX48K + B65VMMX3648K-C (Low Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
965	60	7.4	0.92	2.36	9.3	1.16	2.36	12.2	1.53	2.34	13.5	1.70	2.32	18.1	2.38	2.23	23.3	3.16	2.16	26.9	3.64	2.16	28.3	3.84	2.16	33.0	4.50	2.16
	70	8.1	0.88	2.68	10.8	1.22	2.58	14.6	1.80	2.38	16.2	2.04	2.33	20.4	2.58	2.32	24.6	3.01	2.39	27.4	3.30	2.43	29.3	3.47	2.48	34.0	3.88	2.57
	80	2.0	0.19	3.04	6.4	0.62	3.03	9.2	0.90	3.01	10.4	1.02	3.00	14.9	1.50	2.90	19.8	2.07	2.80	23.4	2.47	2.77	24.9	2.62	2.79	30.3	3.13	2.83
1065	60	7.5	0.92	2.39	9.4	1.16	2.38	12.3	1.53	2.36	13.5	1.69	2.34	18.2	2.37	2.25	23.5	3.18	2.16	27.3	3.75	2.13	28.7	3.95	2.13	33.4	4.61	2.13
	70	8.1	0.88	2.70	10.8	1.22	2.61	14.7	1.79	2.41	16.2	2.03	2.34	20.7	2.64	2.30	24.9	3.10	2.35	28.4	3.47	2.40	29.8	3.59	2.43	34.6	4.04	2.51
	80	2.1	0.20	3.07	6.3	0.60	3.07	9.3	0.90	3.04	10.5	1.02	3.02	14.9	1.50	2.93	19.9	2.07	2.82	23.6	2.51	2.76	25.2	2.68	2.76	30.8	3.25	2.78
1240	60	7.7	0.93	2.43	9.6	1.16	2.43	12.5	1.52	2.41	13.7	1.68	2.39	18.3	2.34	2.30	23.7	3.16	2.20	27.7	3.81	2.13	29.2	4.04	2.12	34.2	4.80	2.08
	70	8.3	0.89	2.75	11.0	1.22	2.65	14.9	1.78	2.45	16.4	2.01	2.39	21.1	2.70	2.29	25.4	3.20	2.33	28.9	3.59	2.36	30.3	3.71	2.40	35.4	4.25	2.44
	80	1.9	0.18	3.11	6.4	0.61	3.12	9.5	0.90	3.08	10.7	1.02	3.06	15.1	1.49	2.97	20.0	2.05	2.86	23.9	2.52	2.78	25.6	2.72	2.76	31.5	3.39	2.73

SH4BF5M2SX60K + B65VMMX60K-C (High Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
1750	60	29.7	1.72	5.07	33.3	2.46	3.97	38.5	2.75	4.10	40.7	2.87	4.15	48.1	3.25	4.34	55.4	3.59	4.52	60.6	3.81	4.66	62.8	3.91	4.71	70.2	4.21	4.89
	70	28.7	1.59	5.29	32.3	2.21	4.30	37.4	2.48	4.42	39.6	2.59	4.48	46.8	2.95	4.66	54.1	3.28	4.84	59.2	3.49	4.97	61.3	3.58	5.02	68.6	3.87	5.20
	80	28.4	1.48	5.64	31.9	2.01	4.64	36.8	2.26	4.77	38.9	2.36	4.83	45.9	2.69	5.01	53.0	2.99	5.20	57.9	3.18	5.33	60.0	3.27	5.38	67.0	3.53	5.56
1990	60	29.6	1.71	5.06	33.3	2.45	3.99	38.4	2.74	4.11	40.7	2.86	4.17	48.1	3.25	4.34	55.5	3.60	4.52	60.7	3.82	4.66	62.9	3.93	4.70	70.3	4.23	4.88
	70	28.7	1.60	5.26	32.3	2.20	4.30	37.4	2.48	4.42	39.6	2.59	4.48	46.8	2.95	4.65	54.1	3.29	4.82	59.2	3.50	4.96	61.3	3.60	5.00	68.6	3.89	5.17
	80	28.2	1.50	5.51	31.7	2.00	4.66	36.7	2.25	4.78	38.8	2.35	4.83	45.9	2.69	5.00	52.9	3.00	5.17	57.9	3.19	5.31	60.0	3.29	5.35	67.0	3.56	5.52
2250	60	29.4	1.71	5.05	33.2	2.44	4.00	38.5	2.74	4.12	40.8	2.87	4.18	48.4	3.26	4.35	56.0	3.62	4.53	61.3	3.86	4.66	63.6	3.96	4.71	71.1	4.27	4.89
	70	29.1	1.61	5.30	32.7	2.22	4.32	37.8	2.50	4.44	40.0	2.62	4.49	47.4	2.98	4.66	54.7	3.32	4.82	59.8	3.55	4.94	62.0	3.64	4.99	69.3	3.94	5.16
	80	28.5	1.52	5.51	32.0	2.01	4.67	37.0	2.27	4.78	39.2	2.38	4.83	46.3	2.72	5.00	53.4	3.04	5.16	58.4	3.25	5.27	60.6	3.34	5.32	67.7	3.62	5.48

SH4BF5M2SX60K + B65VMMX60K-C (Low Speed)

		OUTDOOR TEMPERATURE (Deg. F)																										
CFM	Indoor T.	5			10			17			20			30			40			47			50			60		
	Deg.F	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
1170	60	19.3	1.72	3.30	21.8	2.52	2.53	24.3	2.75	2.59	25.3	2.83	2.63	31.9	3.38	2.77	36.9	3.76	2.88	40.5	3.99	2.97	42.0	4.10	3.00	47.0	4.42	3.12
	70	18.6	1.59	3.43	21.1	2.34	2.64	23.5	2.55	2.71	24.5	2.61	2.75	30.8	3.11	2.90	35.6	3.45	3.03	39.0	3.66	3.13	40.5	3.76	3.16	45.3	4.04	3.29
	80	18.2	1.48	3.62	20.5	2.18	2.77	22.8	2.36	2.84	23.8	2.42	2.88	29.8	2.87	3.05	34.4	3.17	3.18	37.6	3.35	3.29	39.0	3.44	3.32	43.6	3.69	3.46
1330	60	19.4	1.71	3.32	22.0	2.50	2.58	24.5	2.73	2.64	25.6	2.82	2.66	32.2	3.37	2.80	37.4	3.76	2.91	41.0	4.02	2.99	42.5	4.12	3.02	47.6	4.46	3.13
	70	18.8	1.60	3.45	21.3	2.32	2.69	23.7	2.53	2.75	24.7	2.61	2.77	31.1	3.11	2.93	36.0	3.46	3.06	39.5	3.68	3.14	41.0	3.78	3.18	45.9	4.07	3.30
	80	18.3	1.50	3.58	20.7	2.15	2.81	23.0	2.35	2.88	24.0	2.42	2.91	30.1	2.87	3.08	34.8	3.18	3.21	38.1	3.38	3.30	39.5	3.47	3.34	44.3	3.73	3.48
1510	60	19.4	1.71	3.33	22.0	2.46	2.62	24.6	2.70	2.68	25.7	2.81	2.68	32.5	3.36	2.84	37.7	3.76	2.94	41.4	4.04	3.01	42.9	4.13	3.05	48.2	4.47	3.16
	70	19.0	1.61	3.47	21.5	2.31	2.73	24.0	2.52	2.79	25.0	2.62	2.79	31.5	3.11	2.97	36.4	3.46	3.08	39.9	3.71	3.15	41.4	3.79	3.20	46.4	4.10	3.32
	80	18.5	1.52	3.58	20.9	2.14	2.86	23.3	2.34	2.92	24.2	2.43	2.92	30.4	2.86	3.11	35.2	3.18	3.24	38.5	3.41	3.31	39.9	3.48	3.37	44.7	3.75	3.49



GENERAL TERMS OF LIMITED WARRANTY

Nordyne, 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.

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