

TECHNICAL SPECIFICATIONS

VSH3BF Series

Extra High Efficiency Heat Pump

15.2 SEER2 Residential System 2 - 5 Ton Capacity

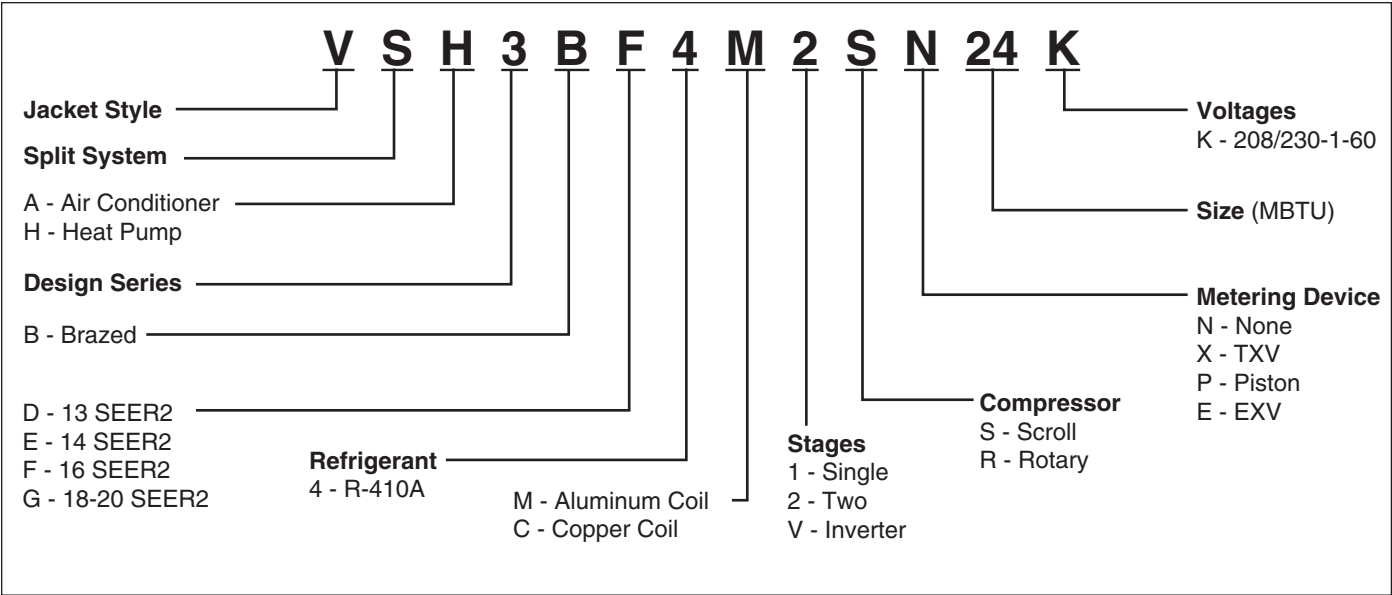
The VSH3BF Series of heat pumps offers exceptional performance from a small, compact package. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.



FEATURES and BENEFITS

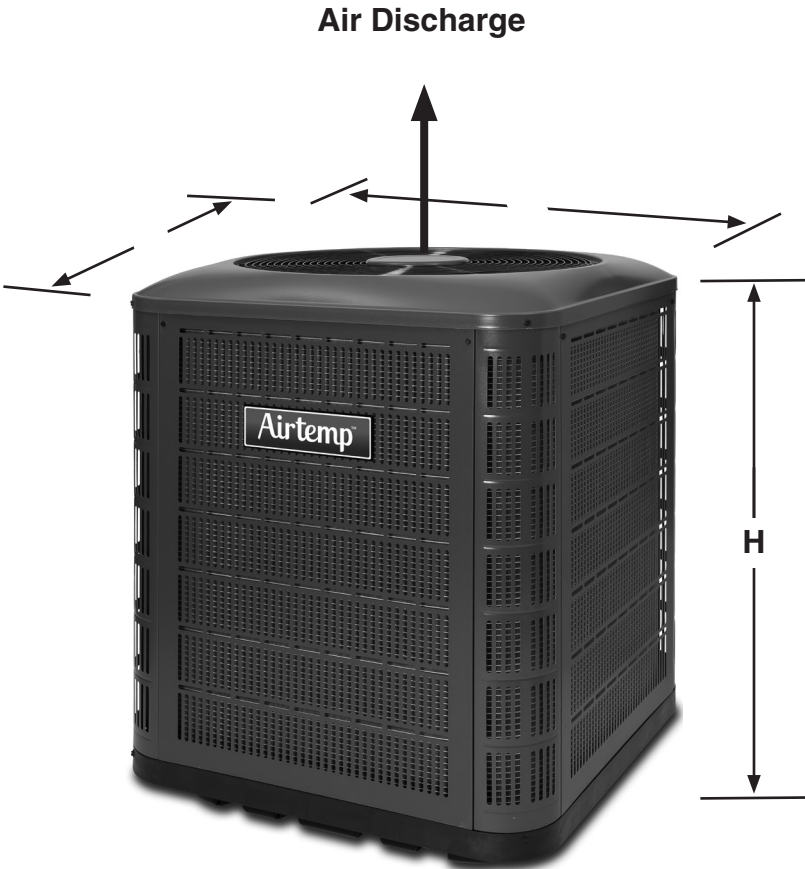
- **Copeland Two Stage Compressor:** The Two Stage Compressor operates at 2 different capacity points to provide superior comfort and efficiency. Copeland's proven and simple design equates to years of comfort and reliability for the homeowner with virtually silent operation.
- **Permanently Lubricated Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Low Pressure Switch:** Loss of charge protection ensures long compressor life. 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.
- **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.
- **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.
- **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.
- **Fixed Orifice:** Integrated in liquid line service valve for easy change-out.
- **All-Aluminum Coils:** All aluminum coils in all models which provides high corrosion resistance.
- **Servicer-Friendly Jacket:** Side panels can be easily removed and replaced without removing the top grill.

MODEL IDENTIFICATION CODES



DIMENSIONS
HEAT PUMP OUTDOOR SECTION

VSH3BF	24K	36K	48K	60K
H	37.00	45.00	45.00	45.00
W	31.50	31.50	31.50	31.50
D	31.50	31.50	31.50	31.50



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

15.2 SEER2 — Extra High Efficiency — Single Phase

Model Number VSH3BF		24K	36K	48K	60K
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1			
	Delay Fuse Max. (2)	25	30	45	50
	Min. Circuit Ampacity	14.5	18.9	27.9	32.0
	Locked Rotor Amp	61.0	84.2	122.1	151.0
	Fan Motor HP	1/8	1/4	1/3	1/3
Refrigerant suction line O.D. NOTE: Liquid line is 3/8" O.D. for entire length."		0-24 ft.	3/4	7/8	7/8
		25-39 ft.	3/4	7/8	7/8
		40-75 ft.	3/4	7/8	1-1/8
Approximate Weight (lbs.)		Ship	193	221	253
Sound Ratings db			73.0	75.0	76

(1) Operating Voltage Range: 187v min. - 253v max.

(2) HACR Type Circuit Breakers may be used.

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

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

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.

SYSTEM HEATING AND COOLING CAPACITIES

15.2 SEER2 — Extra High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	Capacity 95°F	SEER2	EER2	HSPF	CFM
VSH3BF4M2SX24K	B64VMMX24K-B	23,600	15.2	11.7	7.8	860
VSH3BF4M2SX36K	B64VMMX36K-B	35,600	15.2	11.7	7.8	1230
VSH3BF4M2SX48K	B64VMMX48K-C	46,000	15.2	11.7	7.8	1550
VSH3BF4M2SX60K	B64VMMX60K-C	56,000	15.2	11.7	7.8	1950

All ratings are with time delay relay.

See current AHRI Directory for certified combinations and ratings.

www.ahridirectory.org

COOLING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

VSH3BF4M2SX24K + B64VMMX24K-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.
770	80	62	24.2	21.4	1.21	23.5	21.1	1.38	22.6	20.5	1.55	21.7	20.2	1.76	20.4	19.6	2.04	19.1	18.7	2.37
	80	67	26.4	18.0	1.21	25.5	17.6	1.38	24.5	17.2	1.55	23.4	16.7	1.74	22.3	16.3	1.95	21.0	15.7	2.20
	80	72	28.7	14.6	1.20	27.7	14.2	1.37	26.5	13.7	1.55	25.3	13.2	1.74	23.9	12.7	1.95	22.5	12.2	2.18
	75	62	24.1	18.1	1.21	23.4	17.7	1.38	22.5	17.3	1.55	21.6	16.9	1.76	20.3	16.4	2.04	18.9	15.7	2.38
	75	67	26.3	14.7	1.21	25.4	14.3	1.38	24.4	13.9	1.55	23.3	13.4	1.74	22.2	13.0	1.95	20.9	12.4	2.20
810	80	62	24.4	21.8	1.22	23.6	21.7	1.39	22.8	21.1	1.56	21.8	20.7	1.77	20.5	20.0	2.05	19.3	19.2	2.39
	80	67	26.6	18.3	1.22	25.7	18.0	1.39	24.7	17.5	1.56	23.6	17.1	1.75	22.4	16.6	1.96	21.1	16.1	2.21
	80	72	28.9	14.8	1.21	27.9	14.4	1.38	26.7	13.9	1.56	25.4	13.5	1.75	24.1	12.9	1.96	22.6	12.4	2.19
	75	62	24.3	18.5	1.22	23.5	18.0	1.39	22.7	17.7	1.56	21.7	17.3	1.77	20.4	16.6	2.05	19.0	16.0	2.39
	75	67	26.5	14.9	1.22	25.6	14.5	1.39	24.5	14.1	1.56	23.5	13.6	1.75	22.3	13.1	1.96	20.8	12.5	2.21
860	80	62	24.6	22.4	1.24	23.8	22.3	1.40	22.9	21.8	1.58	22.0	21.3	1.78	20.7	20.4	2.06	19.5	19.5	2.40
	80	67	26.8	18.8	1.23	25.9	18.4	1.40	24.8	17.9	1.58	23.7	17.5	1.77	22.6	17.0	1.98	21.2	16.5	2.23
	80	72	29.2	15.1	1.23	28.1	14.7	1.40	26.9	14.2	1.58	25.6	13.7	1.77	24.2	13.2	1.98	22.8	12.7	2.21
	75	62	24.5	18.8	1.24	23.7	18.5	1.41	22.9	18.2	1.58	21.9	17.8	1.78	20.6	17.2	2.07	19.2	16.4	2.41
	75	67	26.7	15.2	1.23	25.8	14.8	1.40	24.7	14.4	1.58	23.6	13.9	1.77	22.5	13.4	1.98	21.0	12.8	2.22

VSH3BF4M2SX24K + B64VMMX24K-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.
510	80	62	17.9	15.6	0.76	17.0	15.0	0.90	16.3	14.8	1.07	15.4	14.3	1.29	14.4	13.8	1.55	13.1	13.1	1.86
	80	67	19.5	13.1	0.74	18.6	12.7	0.88	17.8	12.4	1.03	17.0	12.1	1.20	16.0	11.6	1.41	14.8	11.0	1.66
	80	72	21.2	10.7	0.73	20.3	10.4	0.86	19.4	10.0	1.01	18.5	9.7	1.17	17.5	9.3	1.35	16.4	8.8	1.55
	75	62	17.8	13.2	0.77	17.0	12.7	0.91	16.2	12.4	1.07	15.3	12.0	1.29	14.3	11.5	1.56	13.0	11.0	1.87
	75	67	19.4	10.8	0.74	18.5	10.4	0.89	17.7	10.0	1.03	16.9	9.7	1.20	15.9	9.3	1.41	14.7	8.8	1.66
540	80	62	18.0	16.0	0.77	17.3	15.4	0.90	16.5	15.0	1.07	15.6	14.8	1.29	14.5	14.2	1.55	13.4	13.4	1.86
	80	67	19.7	13.4	0.75	18.8	13.0	0.88	18.0	12.7	1.03	17.2	12.4	1.20	16.2	11.9	1.41	14.9	11.3	1.66
	80	72	21.4	10.9	0.73	20.5	10.6	0.86	19.6	10.2	1.01	18.7	9.9	1.17	17.6	9.5	1.35	16.5	9.0	1.55
	75	62	18.0	13.5	0.76	17.2	13.0	0.91	16.4	12.8	1.07	15.5	12.3	1.29	14.4	11.8	1.56	13.1	11.3	1.87
	75	67	19.6	11.0	0.75	18.7	10.6	0.89	17.9	10.2	1.03	17.1	9.9	1.20	16.1	9.5	1.41	14.9	9.0	1.66
570	80	62	18.2	16.4	0.77	17.4	15.9	0.91	16.6	15.6	1.07	15.7	15.2	1.29	14.7	14.5	1.55	13.6	13.6	1.85
	80	67	19.9	13.7	0.75	19.0	13.3	0.89	18.2	13.0	1.03	17.3	12.7	1.20	16.3	12.1	1.41	15.0	11.6	1.66
	80	72	21.6	11.1	0.73	20.7	10.8	0.86	19.8	10.4	1.01	18.8	10.0	1.17	17.8	9.6	1.35	16.6	9.2	1.55
	75	62	18.2	13.8	0.76	17.3	13.4	0.91	16.6	13.0	1.07	15.6	12.5	1.29	14.6	12.2	1.56	13.2	11.6	1.87
	75	67	19.8	11.2	0.75	18.9	10.8	0.89	18.1	10.5	1.04	17.3	10.1	1.20	16.3	9.7	1.41	15.0	9.1	1.66

VSH3BF4M2SX36K + B64VMMX36K-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.
1120	80	62	36.7	31.9	2.08	35.4	31.4	2.25	33.8	30.6	2.50	32.0	29.9	2.75	30.2	29.0	3.03	28.3	27.7	3.36
	80	67	40.2	26.8	2.10	38.6	26.1	2.30	36.9	25.5	2.52	35.1	24.8	2.77	33.3	23.9	3.06	31.1	23.1	3.40
	80	72	43.6	21.6	2.10	41.7	20.9	2.32	40.0	20.3	2.54	38.1	19.5	2.79	36.1	18.7	3.09	34.0	17.9	3.42
	75	62	36.9	27.1	2.05	35.3	26.4	2.26	33.8	25.7	2.47	31.9	24.8	2.74	30.1	24.0	3.03	28.2	23.1	3.36
	75	67	40.2	22.0	2.10	38.5	21.2	2.30	36.8	20.5	2.52	35.0	19.7	2.77	33.1	19.0	3.06	31.1	18.1	3.39
1175	80	62	37.3	32.7	2.08	35.6	32.0	2.29	33.9	31.3	2.52	32.2	30.5	2.77	30.4	29.5	3.05	28.6	28.6	3.39
	80	67	40.6	27.4	2.11	38.8	26.6	2.32	37.1	25.8	2.55	35.4	25.0	2.80	33.4	24.4	3.09	31.3	23.5	3.42
	80	72	43.8	21.9	2.13	42.0	21.2	2.35	40.2	20.5	2.57	38.3	19.7	2.82	36.3	19.0	3.11	34.1	18.2	3.45
	75	62	37.1	27.6	2.08	35.6	26.9	2.28	33.8	26.1	2.52	32.1	25.3	2.77	30.3	24.4	3.05	28.3	23.6	3.38
	75	67	40.5	22.2	2.11	38.7	21.5	2.32	37.0	20.8	2.55	35.2	20.0	2.80	33.3	19.2	3.09	31.2	18.3	3.42
1220	80	62	37.4	33.3	2.10	35.9	32.6	2.30	34.1	31.8	2.54	32.3	31.0	2.79	30.5	29.6	3.08	28.8	28.8	3.41
	80	67	40.7	27.6	2.15	39.0	27.1	2.35	37.3	26.1	2.57	35.5	25.5	2.82	33.5	24.7	3.11	31.4	23.9	3.45
	80	72	43.9	22.0	2.17	42.2	21.4	2.37	40.4	20.7	2.59	38.5	20.0	2.84	36.4	19.2	3.13	34.2	18.4	3.47
	75	62	37.3	27.9	2.11	35.7	27.3	2.30	34.0	26.5	2.54	32.3	25.8	2.80	30.4	24.7	3.08	28.4	23.9	3.41
	75	67	40.7	22.5	2.13	38.9	21.8	2.35	37.1	21.0	2.57	35.4	20.2	2.82	33.4	19.4	3.11	31.3	18.5	3.44

VSH3BF4M2SX36K + B64VMMX36K-B 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.
755	80	62	26.5	23.0	1.26	25.2	22.5	1.43	24.0	21.9	1.63	22.7	21.3	1.85	21.4	20.7	2.10	19.9	19.9	2.37
	80	67	29.0	19.4	1.24	27.7	18.8	1.41	26.5	18.3	1.61	25.1	17.8	1.84	23.7	17.2	2.09	22.1	16.5	2.37
	80	72	31.5	15.7	1.21	30.1	15.2	1.39	28.8	14.7	1.59	27.5	14.2	1.82	26.0	13.6	2.07	24.4	13.0	2.35
	75	62	26.4	19.5	1.26	25.2	19.0	1.43	23.9	18.4	1.63	22.7	17.8	1.86	21.3	17.2	2.10	19.8	16.5	2.38
	75	67	28.9	15.9	1.24	27.6	15.4	1.41	26.3	14.8	1.62	25.1	14.3	1.84	23.6	13.7	2.09	22.0	13.0	2.37
790	80	62	26.7	23.5	1.26	25.4	22.9	1.44	24.2	22.4	1.64	22.9	21.9	1.86	21.6	21.2	2.10	20.2	20.2	2.38
	80	67	29.3	19.7	1.24	28.0	19.2	1.42	26.7	18.7	1.62	25.3	18.2	1.84	23.9	17.6	2.09	22.2	16.9	2.37
	80	72	31.7	15.9	1.22	30.4	15.4	1.39	29.1	15.0	1.59	27.7	14.4	1.82	26.2	13.8	2.08	24.5	13.2	2.36
	75	62	26.6	19.9	1.26	25.4	19.3	1.44	24.0	18.6	1.66	22.8	18.1	1.86	21.5	17.6	2.11	19.9	16.9	2.38
	75	67	29.1	16.1	1.25	27.9	15.6	1.41	26.6	15.0	1.62	25.3	14.5	1.85	23.8	13.9	2.10	22.2	13.2	2.37
810	80	62	26.8	23.8	1.26	25.5	23.2	1.44	24.3	22.7	1.64	23.0	22.1	1.86	21.7	21.4	2.11	20.3	20.3	2.38
	80	67	29.4	19.9	1.25	28.1	19.4	1.42	26.8	18.9	1.62	25.4	18.4	1.85	23.9	17.8	2.10	22.3	17.1	2.38
	80	72	31.9	16.0	1.22	30.5	15.6	1.40	29.2	15.1	1.60	27.8	14.5	1.83	26.3	13.9	2.08	24.6	13.3	2.36
	75	62	26.7	20.1	1.26	25.5	19.5	1.44	24.2	18.9	1.64	22.9	18.4	1.86	21.6	17.8	2.11	20.0	17.1	2.39
	75	67	29.3	16.3	1.24	28.0	15.7	1.43	26.7	15.2	1.63	25.3	14.6	1.85	23.9	14.1	2.10	22.3	13.3	2.38

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

VSH3BF4M2SX48K + B64VMMX48K-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.
1415	80	62	48.1	40.2	3.13	45.8	38.9	3.41	43.6	37.9	3.74	41.3	36.9	4.11	38.8	35.8	4.53	36.2	34.6	5.02
	80	67	51.9	33.2	3.13	49.4	32.1	3.41	46.8	31.0	3.74	44.1	29.8	4.10	41.8	28.7	4.50	39.2	27.5	4.94
	80	72	58.4	27.5	3.34	55.9	26.4	3.62	53.4	25.4	3.95	50.6	24.4	4.35	47.5	23.2	4.83	44.4	21.9	5.38
	75	62	47.9	33.8	3.13	45.7	32.8	3.41	43.4	31.7	3.74	41.1	30.6	4.10	38.7	29.5	4.53	36.1	28.3	5.02
	75	67	51.6	27.0	3.13	49.2	25.9	3.41	46.6	24.8	3.74	44.0	23.7	4.10	41.3	22.5	4.49	39.0	21.5	4.94
1510	80	62	49.6	42.4	3.03	47.3	40.9	3.31	45.0	40.2	3.64	42.6	39.1	4.00	40.2	38.0	4.43	37.5	36.5	4.91
	80	67	53.4	35.0	3.03	50.9	33.9	3.31	48.3	32.9	3.64	45.5	31.6	4.00	43.1	30.5	4.39	40.5	29.2	4.84
	80	72	60.1	29.0	3.23	57.6	28.0	3.51	54.9	27.0	3.85	52.0	25.8	4.25	49.0	24.6	4.72	45.8	23.3	5.27
	75	62	49.5	35.8	3.02	47.2	34.7	3.31	44.9	33.6	3.63	42.6	32.5	4.00	40.1	31.4	4.43	37.3	30.1	4.92
	75	67	53.2	28.5	3.03	50.7	27.4	3.31	48.0	26.3	3.63	45.4	25.3	4.00	42.6	23.9	4.39	40.3	22.9	4.84
1600	80	62	51.1	44.2	2.77	48.7	43.5	3.05	46.4	42.4	3.37	44.0	41.2	3.74	41.5	40.0	4.17	38.8	38.6	4.66
	80	67	54.9	36.8	2.77	52.4	35.7	3.05	49.7	34.7	3.37	46.9	33.4	3.74	44.4	32.2	4.13	41.8	31.0	4.58
	80	72	61.7	30.5	2.97	59.1	29.5	3.25	56.3	28.4	3.59	53.5	27.2	3.99	50.4	26.0	4.45	47.2	24.8	5.01
	75	62	51.0	37.6	2.76	48.7	36.5	3.05	46.3	35.4	3.37	43.9	34.4	3.74	41.4	33.2	4.16	38.6	31.9	4.65
	75	67	54.7	30.0	2.77	52.1	28.9	3.05	49.4	27.8	3.37	46.7	26.6	3.74	44.0	25.4	4.13	41.6	24.3	4.58

VSH3BF4M2SX48K + B64VMMX48K-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.
945	80	62	34.4	29.1	1.75	32.4	28.1	1.99	30.5	27.3	2.26	28.4	26.4	2.57	26.1	25.3	2.90	23.9	23.9	3.27
	80	67	38.2	24.8	1.74	36.3	23.9	1.99	34.3	23.1	2.27	31.9	22.1	2.57	29.4	21.1	2.90	26.7	19.6	3.27
	80	72	41.5	20.2	1.71	39.4	19.3	1.95	37.2	18.5	2.23	34.8	17.6	2.54	32.3	16.6	2.87	29.5	15.4	3.24
	75	62	34.3	24.8	1.75	32.4	23.8	1.99	30.4	22.9	2.26	28.3	21.9	2.57	26.1	20.9	2.90	23.6	19.8	3.27
	75	67	38.1	20.4	1.74	36.3	19.7	1.99	34.2	18.7	2.27	31.8	17.7	2.57	29.3	16.6	2.90	26.6	15.5	3.27
1010	80	62	35.1	30.4	1.69	33.1	29.4	1.94	31.1	28.5	2.21	29.0	27.6	2.51	26.7	26.2	2.85	24.6	24.6	3.22
	80	67	39.0	25.7	1.68	37.0	24.8	1.93	34.9	24.0	2.21	32.5	23.1	2.52	30.0	22.0	2.85	27.2	20.5	3.21
	80	72	42.2	20.8	1.65	40.1	20.0	1.90	37.9	19.1	2.17	35.5	18.2	2.48	32.8	17.1	2.82	30.0	16.0	3.19
	75	62	35.0	25.7	1.69	33.1	24.8	1.94	31.1	23.8	2.21	28.9	22.8	2.52	26.5	21.8	2.85	24.0	20.6	3.22
	75	67	38.9	21.1	1.69	37.0	20.3	1.94	34.8	19.4	2.21	32.5	18.4	2.52	29.8	17.2	2.85	27.1	16.1	3.22
1070	80	62	35.8	31.5	1.61	33.8	30.6	1.85	31.8	29.8	2.13	29.6	28.7	2.43	27.4	27.4	2.76	25.3	25.3	3.13
	80	67	39.7	26.6	1.60	37.8	25.7	1.85	35.6	25.0	2.13	33.2	24.0	2.43	30.6	22.8	2.77	27.8	21.3	3.13
	80	72	43.0	21.5	1.57	40.8	20.7	1.81	38.6	19.9	2.09	36.1	18.9	2.40	33.5	17.8	2.73	30.5	16.7	3.11
	75	62	35.7	26.7	1.61	33.7	25.7	1.85	31.7	24.8	2.12	29.5	23.8	2.43	27.1	22.8	2.77	24.5	21.5	3.13
	75	67	39.7	21.9	1.60	37.6	21.0	1.85	35.5	20.1	2.13	33.1	19.2	2.43	30.5	17.9	2.77	27.6	16.7	3.13

VSH3BF4M2SX60K + B64VMMX60K-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.
1775	80	62	60.3	52.3	4.01	57.7	51.0	4.42	55.0	49.3	4.87	52.1	48.4	5.38	49.1	47.0	5.98	45.9	45.1	6.69
	80	67	64.9	43.3	3.70	61.9	41.9	4.06	59.0	40.5	4.44	56.4	39.4	4.89	54.0	38.5	5.39	50.8	37.3	6.08
	80	72	71.4	35.2	4.04	68.6	34.0	4.45	65.2	32.7	4.89	62.3	31.6	5.42	58.9	30.3	6.02	55.1	28.7	6.72
	75	62	60.0	43.7	4.02	57.6	42.8	4.42	54.9	41.7	4.87	52.0	40.2	5.39	48.9	38.8	6.00	45.5	36.5	6.73
	75	67	64.7	35.2	3.69	61.6	33.9	4.05	58.8	32.7	4.44	56.3	31.6	4.88	53.7	30.5	5.39	50.6	29.2	6.07
1875	80	62	60.7	53.3	4.07	58.0	51.2	4.49	55.4	51.1	4.92	52.5	49.8	5.44	49.3	48.2	6.04	46.2	46.2	6.75
	80	67	65.4	44.1	3.76	62.2	42.7	4.12	59.4	41.6	4.51	56.7	40.4	4.95	54.2	39.3	5.46	51.1	37.9	6.14
	80	72	72.0	35.7	4.10	68.7	34.4	4.50	66.0	33.4	4.96	62.7	32.2	5.48	59.2	30.7	6.08	55.4	29.1	6.78
	75	62	60.5	44.6	4.08	58.0	43.7	4.48	55.3	42.5	4.93	52.3	41.1	5.45	49.1	39.7	6.05	45.9	38.0	6.76
	75	67	65.2	35.7	3.76	62.0	34.4	4.12	59.1	33.2	4.51	56.5	32.1	4.95	54.1	31.1	5.45	50.5	29.4	6.13
1950	80	62	61.0	54.4	4.12	58.3	52.7	4.53	55.7	52.1	4.97	52.7	50.7	5.49	49.5	48.8	6.08	46.7	46.7	6.79
	80	67	65.5	44.6	3.81	62.4	43.2	4.17	59.5	42.0	4.56	56.9	40.8	5.00	54.4	39.9	5.51	51.2	38.4	6.19
	80	72	72.3	36.1	4.15	69.0	34.8	4.55	66.3	33.8	5.01	63.0	32.4	5.53	59.4	30.9	6.13	55.6	29.5	6.83
	75	62	60.7	45.1	4.12	58.2	44.4	4.52	55.5	43.1	4.98	52.5	41.5	5.52	49.3	40.4	6.10	45.8	38.3	6.83
	75	67	65.4	36.0	3.81	62.2	34.7	4.17	59.4	33.6	4.56	56.7	32.5	5.00	54.2	31.4	5.50	50.7	29.7	6.17

VSH3BF4M2SX60K + B64VMMX60K-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.
1185	80	62	42.5	36.5	2.15	40.8	35.7	2.47	38.7	34.8	2.80	36.7	33.8	3.12	33.9	32.4	3.54	31.4	31.0	3.95
	80	67	47.0	31.1	2.15	45.7	30.5	2.49	43.6	29.5	2.82	40.7	28.1	3.16	37.4	26.9	3.52	34.5	25.6	3.94
	80	72	50.7	25.1	2.13	48.7	24.2	2.46	46.3	23.4	2.78	43.7	22.4	3.13	40.8	21.3	3.51	37.9	20.1	3.92
	75	62	42.3	30.9	2.16	40.7	30.2	2.47	38.8	29.3	2.78	36.3	28.1	3.15	34.0	27.0	3.51	31.2	25.7	3.94
	75	67	46.8	25.5	2.15	45.5	25.0	2.49	43.4	24.0	2.82	40.6	22.8	3.16	37.2	21.4	3.53	34.4	20.3	3.93
1255	80	62	43.0	37.6	2.17	41.4	36.8	2.46	39.1	35.7	2.82	36.7	34.6	3.17	34.2	33.3	3.55	31.7	31.7	3.99
	80	67	47.5	31.8	2.17	46.2	31.1	2.51	44.0	30.2	2.83	41.1	29.0	3.17	37.7	27.6	3.54	34.8	26.3	3.95
	80	72	51.1	25.4	2.18	49.2	24.7	2.47	46.8	23.8	2.80	44.1	22.8	3.14	41.1	21.6	3.53	37.9	20.3	3.97
	75	62	42.9	31.8	2.14	41.2	31.0	2.46	39.0	29.9	2.81	36.8	28.8	3.17	34.0	27.5	3.59	31.5	26.4	3.96
	75	67	47.2	26.0	2.18	46.0	25.4	2.51	43.8	24.4	2.84	40.9	23.2	3.18	37.7	21.9	3.51	34.6	20.6	3.95
1300	80	62	43.3	38.2	2.18	41.6	37.5	2.47	39.4	36.3	2.82	36.9	35.2	3.18	34.4	33.9	3.56	32.0	32.0	4.00
	80	67	47.8	32.2	2.18	46.5	31.6	2.51	44.2	30.6	2.84	41.3	29.5	3.18	38.0	28.1	3.53	34.8	26.6	3.99
	80	72	51.6	25.8	2.16	49.5	25.0	2.47	47.0	24.1	2.81	44.3	23.1	3.15	41.3	21.8	3.54	38.3	20.7	3.94
	75	62	43.1	32.2	2.18	41.4	31.4	2.49	39.2	30.3	2.83	37.1	29.4	3.14	34.2	28.1	3.56	31.6	26.9	3.97
	75	67	47.6	26.3	2.18	46.3	25.7	2.51	44.1	24.7	2.85	41.1	23.5	3.19	37.7	22.1	3.55	34.6	20.7	3.99

HEATING EXPANDED RATINGS WITH VARIABLE SPEED AIR HANDLER

VSH3BF4M2SX24K + B64VMMX24K-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
770	60	11.9	2.37	1.48	13.1	2.61	1.47	12.9	2.59	1.46	13.7	2.75	1.46	16.7	3.30	1.48	20.0	3.89	1.51	22.5	4.27	1.55	23.5	4.42	1.56	13.1	2.61	1.47
	70	11.4	2.04	1.64	12.6	2.26	1.63	14.2	2.57	1.62	15.0	2.70	1.63	17.6	3.15	1.64	20.5	3.56	1.69	22.8	3.86	1.73	23.7	3.96	1.75	27.1	4.34	1.83
	80	9.5	1.54	1.81	10.5	1.71	1.80	12.1	1.98	1.80	14.6	2.39	1.80	17.1	2.77	1.82	20.0	3.13	1.87	22.2	3.38	1.93	23.0	3.47	1.95	26.4	3.79	2.04
810	60	12.0	2.36	1.49	13.1	2.60	1.48	13.0	2.58	1.47	13.8	2.74	1.47	16.8	3.31	1.48	20.1	3.90	1.51	22.6	4.30	1.54	23.7	4.45	1.56	13.1	2.60	1.48
	70	11.4	2.03	1.65	12.6	2.26	1.64	14.2	2.56	1.63	15.0	2.69	1.63	17.7	3.16	1.64	20.6	3.58	1.68	22.9	3.89	1.72	23.8	4.00	1.74	27.3	4.40	1.82
	80	9.5	1.53	1.83	10.5	1.70	1.82	12.2	1.97	1.81	14.8	2.42	1.79	17.2	2.77	1.82	20.0	3.14	1.87	22.3	3.41	1.92	23.1	3.50	1.94	26.6	3.84	2.03
860	60	12.0	2.35	1.50	13.2	2.58	1.49	13.0	2.56	1.49	13.8	2.72	1.49	16.8	3.30	1.49	20.2	3.91	1.51	22.7	4.32	1.54	23.8	4.48	1.56	13.2	2.58	1.49
	70	11.5	2.02	1.67	12.7	2.24	1.65	14.3	2.54	1.65	15.1	2.68	1.65	17.8	3.15	1.65	20.7	3.59	1.69	23.0	3.92	1.72	23.9	4.03	1.74	27.5	4.46	1.81
	80	9.6	1.53	1.84	10.6	1.70	1.83	12.2	1.97	1.82	14.8	2.38	1.82	17.3	2.77	1.83	20.1	3.16	1.87	22.4	3.43	1.91	23.3	3.53	1.93	26.7	3.89	2.01

VSH3BF4M2SX24K + B64VMMX24K-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
510	60	11.5	2.45	1.38	12.6	2.65	1.40	12.5	2.64	1.39	13.2	2.76	1.40	15.9	3.14	1.48	19.1	3.62	1.54	21.3	3.86	1.62	22.3	3.96	1.65	12.6	2.65	1.40
	70	11.0	2.10	1.54	12.1	2.30	1.55	13.7	2.52	1.59	14.4	2.62	1.61	16.9	2.96	1.67	19.5	3.26	1.75	21.6	3.45	1.84	22.4	3.51	1.87	25.6	3.73	2.01
	80	9.1	1.57	1.71	10.1	1.75	1.70	11.7	2.00	1.71	14.1	2.30	1.80	16.3	2.53	1.89	19.0	2.85	1.96	21.1	3.02	2.05	21.8	3.07	2.09	24.8	3.24	2.24
540	60	11.6	2.46	1.38	12.7	2.67	1.39	12.5	2.66	1.38	13.3	2.79	1.39	16.0	3.20	1.47	19.2	3.69	1.52	21.5	3.96	1.59	22.5	4.06	1.62	12.6	2.67	1.39
	70	11.0	2.10	1.54	12.2	2.31	1.54	13.7	2.56	1.57	14.4	2.66	1.59	17.0	3.03	1.64	19.6	3.34	1.73	21.8	3.54	1.80	22.6	3.61	1.83	25.8	3.85	1.97
	80	9.1	1.57	1.71	10.1	1.75	1.70	11.7	2.01	1.71	14.1	2.33	1.78	16.4	2.58	1.87	19.1	2.92	1.92	21.2	3.09	2.01	22.0	3.15	2.04	25.0	3.35	2.19
570	60	11.6	2.46	1.38	12.7	2.69	1.38	12.6	2.68	1.37	13.3	2.82	1.39	16.1	3.25	1.45	19.3	3.76	1.50	21.6	4.05	1.57	22.6	4.16	1.59	12.7	2.69	1.38
	70	11.0	2.11	1.54	12.2	2.32	1.54	13.8	2.58	1.56	14.5	2.69	1.58	17.0	3.08	1.62	19.7	3.40	1.70	21.9	3.62	1.77	22.7	3.70	1.80	26.0	3.95	1.93
	80	9.2	1.57	1.71	10.2	1.75	1.70	11.8	2.02	1.70	14.2	2.36	1.76	16.6	2.64	1.84	19.2	2.97	1.90	21.3	3.16	1.98	22.1	3.23	2.01	25.3	3.44	2.15

VSH3BF4M2SX36K + B64VMMX36K-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
1120	60	19.2	2.69	2.10	21.0	2.88	2.14	23.2	3.10	2.19	24.3	3.24	2.20	28.1	3.66	2.26	32.0	4.01	2.34	34.1	4.19	2.38	35.5	4.31	2.41	20.8	2.87	2.13
	70	17.5	2.27	2.26	20.2	2.54	2.33	22.6	2.76	2.40	23.7	2.85	2.44	27.5	3.25	2.48	31.3	3.56	2.57	34.4	3.81	2.65	35.5	3.89	2.68	39.4	4.16	2.77
	80	16.2	1.95	2.44	18.5	2.16	2.52	22.1	2.46	2.64	23.2	2.54	2.68	26.9	2.90	2.73	30.6	3.16	2.84	33.6	3.36	2.93	34.7	3.44	2.96	39.1	3.72	3.08
1175	60	19.4	2.70	2.11	21.1	2.88	2.14	23.3	3.11	2.20	24.5	3.26	2.20	28.3	3.67	2.26	32.2	4.03	2.34	34.3	4.23	2.38	35.7	4.35	2.41	20.9	2.87	2.14
	70	17.6	2.27	2.27	20.3	2.54	2.34	22.8	2.77	2.41	23.8	2.86	2.44	27.6	3.27	2.48	31.5	3.59	2.57	34.7	3.84	2.64	35.7	3.92	2.67	39.7	4.21	2.76
	80	16.3	1.95	2.45	18.7	2.17	2.52	22.2	2.47	2.64	23.3	2.56	2.68	27.1	2.92	2.73	30.7	3.19	2.83	33.8	3.40	2.91	34.9	3.48	2.95	39.4	3.77	3.07
1220	60	19.4	2.69	2.12	21.2	2.88	2.15	23.4	3.12	2.20	24.6	3.27	2.21	28.4	3.68	2.26	32.3	4.05	2.34	34.5	4.25	2.38	35.9	4.37	2.41	21.1	2.87	2.15
	70	17.7	2.28	2.28	20.4	2.55	2.35	22.9	2.78	2.42	24.0	2.87	2.44	27.8	3.28	2.48	31.6	3.61	2.57	34.8	3.87	2.64	35.9	3.95	2.66	39.9	4.25	2.75
	80	16.4	1.95	2.46	18.8	2.17	2.53	22.4	2.48	2.65	23.4	2.56	2.68	27.2	2.92	2.73	30.9	3.20	2.83	34.0	3.42	2.91	35.1	3.50	2.94	39.6	3.80	3.05

VSH3BF4M2SX36K + B64VMMX36K-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
755	60	12.3	2.30	1.57	13.8	2.55	1.59	15.7	2.85	1.62	16.5	2.96	1.64	19.2	3.36	1.68	21.9	3.72	1.72	22.7	3.84	1.74	23.9	4.03	1.74	13.8	2.55	1.59
	70	10.4	1.79	1.71	12.8	2.14	1.76	15.3	2.48	1.81	16.1	2.59	1.83	18.8	2.93	1.88	21.5	3.25	1.94	23.8	3.58	1.95	24.6	3.72	1.94	27.0	4.01	1.98
	80	9.3	1.45	1.87	11.3	1.72	1.92	14.5	2.13	2.00	15.6	2.25	2.03	18.2	2.54	2.09	20.9	2.83	2.17	22.9	3.02	2.22	24.0	3.23	2.18	27.2	3.56	2.24
790	60	12.3	2.31	1.56	13.9	2.57	1.59	15.7	2.85	1.61	16.6	2.99	1.63	19.3	3.40	1.67	22.0	3.77	1.71	22.8	3.90	1.72	24.1	4.12	1.71	13.9	2.56	1.59
	70	10.5	1.80	1.71	12.9	2.15	1.75	15.4	2.50	1.80	16.2	2.61	1.82	18.9	2.96	1.87	21.6	3.30	1.92	23.9	3.65	1.92	24.7	3.78	1.92	27.2	4.08	1.95
	80	9.3	1.45	1.88	11.3	1.73	1.92	14.6	2.15	1.99	15.6	2.27	2.02	18.3	2.58	2.08	21.0	2.87	2.15	23.1	3.08	2.20	24.2	3.29	2.15	27.4	3.63	2.21
810	60	12.3	2.32	1.56	13.9	2.57	1.58	15.7	2.87	1.61	16.6	3.00	1.62	19.4	3.42	1.66	22.0	3.80	1.70	22.9	3.93	1.71	24.1	4.16	1.70	13.9	2.57	1.58
	70	10.5	1.80	1.71	12.9	2.16	1.75	15.4	2.51	1.80	16.2	2.62	1.81	18.9	2.98	1.86	21.6	3.32	1.91	24.0	3.69	1.91	24.8	3.82	1.91	27.2	4.12	1.94
	80	9.3	1.46	1.87	11.4	1.74	1.92	14.7	2.16	1.99	15.7	2.28	2.01	18.3	2.59	2.07	21.1	2.89	2.14	23.2	3.11	2.19	24.2	3.32	2.14	27.5	3.67	2.20

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

VSH3BF4M2SX48K + B64VMMX48K-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
1415	60	23.6	2.12	3.26	26.3	2.36	3.26	30.2	2.70	3.27	32.2	2.87	3.29	38.2	3.35	3.34	44.5	3.75	3.48	49.5	4.03	3.60	51.3	4.12	3.65	26.3	2.36	3.26
	70	22.5	1.84	3.58	25.2	2.06	3.59	27.7	2.49	3.25	29.0	2.58	3.29	33.9	2.91	3.42	40.3	3.27	3.61	47.8	3.56	3.93	49.4	3.64	3.98	56.6	3.96	4.20
	80	21.2	1.59	3.92	23.9	1.78	3.94	27.7	2.05	3.96	29.5	2.18	3.97	35.2	2.57	4.03	41.1	2.89	4.16	45.9	3.13	4.29	47.5	3.22	4.33	54.6	3.50	4.58
1510	60	22.7	2.11	3.16	25.4	2.36	3.15	29.3	2.71	3.17	31.3	2.89	3.18	37.7	3.43	3.22	43.8	3.87	3.32	48.9	4.16	3.44	50.8	4.27	3.49	25.4	2.36	3.15
	70	21.6	1.83	3.47	24.3	2.05	3.48	26.9	2.53	3.12	28.2	2.63	3.15	33.3	2.98	3.28	39.7	3.37	3.45	47.1	3.67	3.76	49.0	3.76	3.82	56.2	4.10	4.01
	80	20.4	1.57	3.82	23.0	1.76	3.83	27.0	2.06	3.84	28.6	2.18	3.85	34.4	2.60	3.89	40.4	2.95	4.02	45.3	3.21	4.13	47.2	3.31	4.18	54.1	3.61	4.39
1600	60	21.8	2.22	2.89	24.5	2.48	2.89	28.4	2.87	2.90	30.4	3.07	2.91	36.8	3.67	2.94	43.1	4.18	3.03	48.2	4.51	3.13	50.0	4.63	3.16	24.5	2.48	2.89
	70	20.7	1.90	3.20	23.3	2.13	3.21	26.1	2.71	2.83	27.4	2.82	2.85	32.6	3.21	2.98	39.0	3.63	3.15	46.4	3.94	3.46	48.3	4.05	3.49	55.6	4.42	3.68
	80	19.5	1.61	3.55	22.1	1.82	3.56	26.0	2.14	3.57	27.7	2.27	3.59	33.5	2.70	3.64	39.6	3.12	3.72	44.6	3.42	3.83	46.2	3.50	3.87	53.6	3.86	4.06

VSH3BF4M2SX48K + B64VMMX48K-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
945	60	11.0	1.34	2.41	13.4	1.65	2.38	16.9	2.10	2.35	18.3	2.30	2.34	23.5	3.01	2.29	28.5	3.60	2.31	32.1	3.97	2.37	33.5	4.09	2.40	13.4	1.65	2.39
	70	9.4	1.03	2.70	11.9	1.30	2.68	15.6	2.04	2.25	16.7	2.16	2.26	20.7	2.61	2.33	25.4	3.06	2.44	30.3	3.36	2.65	31.8	3.48	2.68	37.0	3.88	2.79
	80	7.4	0.72	3.03	9.9	0.96	3.01	13.3	1.30	2.98	14.8	1.46	2.97	19.9	2.00	2.92	24.9	2.51	2.91	28.4	2.82	2.95	29.6	2.92	2.98	34.7	3.29	3.10
1010	60	10.8	1.34	2.36	13.2	1.66	2.33	16.7	2.12	2.30	18.2	2.32	2.29	23.3	3.07	2.23	28.5	3.74	2.23	32.3	4.16	2.27	33.8	4.31	2.30	13.2	1.66	2.33
	70	9.3	1.03	2.64	11.7	1.30	2.63	15.6	2.10	2.17	16.7	2.24	2.18	20.8	2.71	2.25	25.6	3.19	2.35	30.5	3.50	2.55	32.0	3.64	2.58	37.3	4.08	2.68
	80	7.3	0.72	2.98	9.7	0.96	2.96	13.1	1.31	2.93	14.6	1.47	2.92	19.7	2.02	2.87	24.9	2.57	2.84	28.4	2.92	2.86	29.9	3.04	2.88	35.1	3.44	2.99
1070	60	10.6	1.35	2.30	13.1	1.68	2.28	16.5	2.15	2.25	18.0	2.36	2.24	23.2	3.12	2.18	28.5	3.87	2.16	32.4	4.34	2.19	33.7	4.48	2.20	13.1	1.68	2.28
	70	9.1	1.02	2.60	11.5	1.31	2.58	15.5	2.16	2.10	16.6	2.30	2.11	20.7	2.80	2.17	25.5	3.31	2.26	30.5	3.63	2.47	31.9	3.75	2.49	37.4	4.26	2.57
	80	7.1	0.71	2.92	9.6	0.96	2.91	13.0	1.32	2.89	14.5	1.48	2.87	19.5	2.03	2.82	24.8	2.62	2.77	28.5	3.00	2.78	29.9	3.14	2.80	35.2	3.58	2.88

VSH3BF4M2SX60K + B64VMMX60K-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
1775	60	32.5	2.42	3.94	35.5	2.65	3.93	39.5	2.92	3.97	41.6	3.05	4.00	48.4	3.41	4.16	55.3	3.71	4.37	60.7	3.91	4.56	63.0	3.98	4.64	35.5	2.65	3.93
	70	32.2	1.99	4.74	35.2	2.21	4.67	39.1	2.39	4.80	41.2	2.50	4.83	47.8	2.82	4.98	55.1	3.17	5.10	60.6	3.33	5.33	63.0	3.43	5.38	71.7	3.65	5.76
	80	31.0	2.03	4.47	33.8	2.20	4.50	37.4	2.39	4.60	39.3	2.49	4.63	45.3	2.73	4.86	51.8	2.97	5.12	56.8	3.12	5.34	58.6	3.17	5.42	66.4	3.36	5.79
1875	60	32.7	2.40	3.99	35.7	2.62	3.99	39.8	2.92	4.00	41.9	3.03	4.05	48.7	3.41	4.19	55.7	3.73	4.38	61.2	3.92	4.58	63.4	4.01	4.64	35.7	2.62	3.99
	70	32.4	1.98	4.81	35.2	2.14	4.82	39.3	2.35	4.90	41.4	2.49	4.88	48.1	2.81	5.02	55.4	3.17	5.13	61.1	3.38	5.30	63.3	3.45	5.38	72.0	3.67	5.75
	80	31.1	2.02	4.53	33.9	2.18	4.56	37.7	2.38	4.63	39.5	2.48	4.66	45.6	2.75	4.86	52.2	2.99	5.12	57.3	3.15	5.33	59.1	3.20	5.41	66.9	3.41	5.75
1950	60	32.8	2.38	4.04	35.9	2.61	4.03	40.1	2.95	3.99	42.1	3.02	4.08	48.7	3.38	4.23	55.9	3.73	4.39	61.5	3.93	4.58	63.6	4.02	4.64	35.9	2.61	4.03
	70	32.6	1.97	4.85	35.4	2.17	4.80	39.4	2.36	4.90	41.6	2.48	4.93	48.3	2.80	5.06	55.6	3.17	5.15	61.6	3.39	5.33	63.6	3.46	5.39	72.3	3.70	5.74
	80	31.3	2.00	4.59	34.1	2.17	4.60	37.8	2.38	4.67	39.7	2.48	4.69	45.8	2.75	4.89	52.4	3.00	5.12	57.5	3.17	5.33	59.4	3.22	5.40	67.2	3.44	5.74

VSH3BF4M2SX60K + B64VMMX60K-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
1185	60	14.0	1.28	3.19	16.9	1.57	3.16	21.2	1.99	3.12	23.0	2.18	3.10	29.4	2.83	3.04	35.6	3.36	3.11	40.1	3.68	3.20	42.1	3.80	3.25	16.9	1.57	3.16
	70	16.1	1.33	3.55	20.7	1.79	3.38	24.4	2.28	3.13	25.7	2.44	3.09	30.2	2.78	3.19	35.9	3.11	3.39	40.4	3.30	3.59	42.1	3.34	3.70	48.1	3.65	3.87
	80	14.9	1.37	3.28	19.3	1.78	3.21	21.2	1.19	3.97	18.2	1.35	3.96	25.1	1.90	3.87	31.7	2.40	3.88	36.3	2.69	3.96	38.2	2.79	4.01	44.7	3.10	4.22
1255	60	14.0	1.28	3.21	17.0	1.56	3.18	21.2	1.99	3.13	23.1	2.17	3.12	29.5	2.84	3.05	35.9	3.40	3.09	40.4	3.74	3.17	42.4	3.87	3.21	17.0	1.57	3.17
	70	16.2	1.33	3.57	20.7	1.80	3.38	24.6	2.31	3.12	25.9	2.47	3.07	30.5	2.82	3.16	36.1	3.16	3.35	40.9	3.37	3.56	42.5	3.41	3.66	48.5	3.73	3.81
	80	14.9	1.37	3.29	19.4	1.84	3.12	21.2	1.19	3.99	18.3	1.35	3.98	25.2	1.90	3.89	31.9	2.41	3.87	36.5	2.72	3.94	38.5	2.84	3.98	45.1	3.17	4.17
1300	60	14.1	1.28	3.22	17.0	1.56	3.19	21.3	1.99	3.14	23.1	2.17	3.13	29.5	2.83	3.06	36.0	3.42	3.09	40.6	3.77	3.16	42.6	3.91	3.19	17.0	1.57	3.18
	70	16.2	1.33	3.58	20.8	1.78	3.42	24.8	2.37	3.07	25.7	2.47	3.06	30.6	2.85	3.15	36.1	3.18	3.33	40.9	3.40	3.53	42.9	3.45	3.64	48.8	3.79	3.78
	80	14.9	1.36	3.32	19.5	1.78	3.22	21.6	1.19	4.00	18.3	1.34	3.99	25.2	1.90	3.90	32.0	2.42	3.87	36.7	2.74	3.92	38.7	2.86	3.96	45.3	3.21	4.14



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