MAYTAG

TECHNICAL SPECIFICATIONS

Model MSH4BE Series

M120 Product Line

R-410A High Efficiency Heat Pump
14 SEER — 1.5 - 5 Ton Capacity

- **12 YEAR ALL PARTS WARRANTY**
- **This product offers a 1 Year Dependability Promise to replace the unit if the compressor fails in the first year of operation, to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.**
- **Product registration required for 12-year All Parts Warranty and Dependability Promise within a limited period of time after the installation. See current warranty document for details. This can be viewed at www.maytaghvac.com or ask your sales representative.**

Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated R-410A. The MSH4BE 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

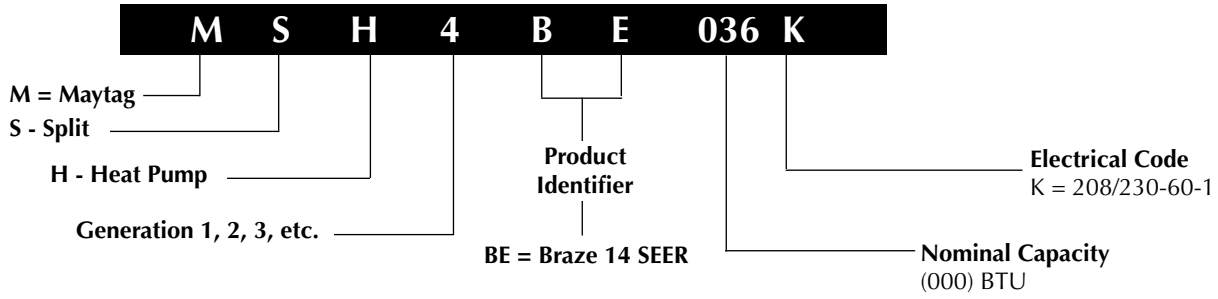
- **Smart Cool 410™ Refrigerant (R-410A) –** Earth friendly non-ozone depleting refrigerant.
- **Copper Tube / Aluminum Fin Coils –** Coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor –** A heavy duty PSC motor 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.
- **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 a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.

DIMENSIONS/OUTDOOR SECTION

MSH4BE	018K	024K	030K	036K	042K	048K	060K
H	45	45	45	45	45	45	45
W	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4
D	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4

Air Discharge
Allow Adequate Clearance for Airflow

IDENTIFICATION CODE



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

14 SEER — High Efficiency — Single Phase

Model Number MSH4BE			018K	024K	030K	036K	042K	048K	060K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
	Total Amps		11.86	16.34	15.7	16.98	20.82	21.24	27.64
	Delay Fuse Max. (2)		20	30	30	30	40	45	60
	Min. Circuit Ampacity		14.1	19.7	18.9	20.5	25.3	26.2	34.2
Condenser Data	Coil	Area ft^2	25.4	25.4	25.4	25.4	25.4	25.4	25.4
		Rows-FPI	1-20	1-20	1-20	1-20	1-20	2-16	2-16
		Tube Dia	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.
	Fan Motor	Type	BLDC	BLDC	BLDC	BLDC	BLDC	PSC	PSC
		Amps	2.9	2.9	2.9	2.9	2.9	1.4	1.4
		Watts-HP	1/3	1/3	1/3	1/3	1/3	1/4	1/4
	Fan Blade	Dia-# Blades	24″-2	24″-2	24″-2	24″-2	24″-2	24″-2	24″-2
		SCFM	2800	2800	2800	3400	4000	4000	4000
	Compressor Data	RLA	8.96	13.44	12.8	14.08	17.92	19.84	26.24
		LRA	48	58.3	64	77	112	109	134
Refrigerant suction line O.D.(all length of liquid line are 3/8″ O.D.)		0-24 ft.	3/4″	3/4″	3/4″	7/8″	7/8″	7/8″	7/8″
		25-39 ft.	3/4″	3/4″	3/4″	7/8″	7/8″	1 1/8″ (3)	1 1/8″ (3)
		40-75 ft.	3/4″	3/4″	3/4″	7/8″	7/8″	1 1/8″ (3)	1 1/8″ (3)
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15′ line set. (4)			166	166	168	174	256	246	230
Weight Approximate (lbs.)		Net	179	180	180	182	279	280	290
		Ship	188	189	189	191	294	295	305

(1) Operating Voltage Range: 187V min.- 253V max.
(2) HACR Type Circuit Breaker may be used.
(3) Requires 7/8″ to 1-1/8″ reducer from line to unit.
(4) Additional charge for line sets above 15 feet. Values based on suction line as follows with 3/8″ liquid line.
a) 3/4″ = 0.6 oz. per additional foot.
b) 7/8″ = 0.7 oz. per additional foot.
c) 1 1/8″ = 0.8 oz. per additional foot.

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 HEATING & COOLING CAPACITIES

14+ SEER — High Efficiency — Single Phase

Outdoor Unit Model Number MSH4BE	Indoor TXV Coil + TDR	Cooling Capacity BTUH	SEER	EER	Heating Capacity BTUH @ 47 F	HSPF	SCFM
018K	C6B(A,H)-X24(C,U)-B	18,000	14	12	19,000	8.0	675
024K	C6B(A,H)-X24(C,U)-B	23,400	14	12	24,000	8.0	750
030K	C6B(A,H)-X30(C,U)-(B,C)	27,200	14	12	29,200	8.0	885
036K	C6B(A,H)-X36(C,U)-C	34,000	14	12	34,400	8.2	1200
042K	C6B(A,H)-X42(C,U)-C	41,500	14	12	40,500	8.2	1325

Outdoor Unit Model Number MSH4BE	Indoor Unit Model Number C6B(A,H)	Cooling Capacity Btu/h	SEER	EER	Heating Capacity Btu @ 47°F	HSPF	Nominal SCFM
018K	X24(C,U)-A,B)+MB6BM	18,000	14	12.9	19,000	8.0	610
024K	X24(C,U)-A,B)+MB6BM	23,400	14	13.0	24,000	8.2	700
030K	X30(C,U)-A,B)+MB6BM	29,200	14	13.6	29,200	8.5	885
036K	X36(C,U)-B,C)+MB6BM	34,600	14	13.0	34,400	8.5	1125
042K	X42(C,U)-B,C)+MB6BM	42,000	14	13.3	40,500	8.5	1325
048K	X48(C,U)-(C)+MB6(E,V)M	47,000	14	12.7	42,500	8.5	1625
060K	X60(C,U)-(C)+MB6(E,V)M	57,000	14	12.5	53,500	8.5	1650

Outdoor Unit Model Number MSH4BE	Indoor Unit Model Number	Cooling Capacity BTUH	SEER	EER	Heating Capacity BTUH @ 47 F	HSPF	SCFM
018K	B5BM-X25K-A	18700	14	12.5	19000	8.5	700
018K	B5BM-X25K-B	18700	14	12.5	19000	8.5	700
024K	B5BM-X25K-A	23200	14	12.7	25000	8.5	700
024K	B5BM-X25K-B	23200	14	12.7	25000	8.5	700
030K	B5BM-X30K-A	28000	14	12.7	29800	8.5	930
030K	B5BM-X30K-B	28000	14	12.7	29800	8.5	930
036K	B5BM-X37K-B	34400	14	12.7	34000	8.5	1180
042K	B5BM-X42K-B	39000	14	12.5	39000	8.5	1340
048K	B5BM-X60K-C	45500	14	12.6	44000	8.5	1660
060K	B5BM-X60K-C	59000	14	12.5	52500	8.5	1660

Outdoor Unit Model Number MSH4BE-	Indoor Unit Model Number PAH4VM- B4VM-	Cooling Capacity Btu/h	SEER	EER	Heating Capacity Btu/h @ 47ºF	HSPF	Nominal SCFM
018K	X24K-(A,B)	19000	15.0	13.5	18800	8.5	675
024K	X24K-(A,B)	23400	15.0	13.5	24600	8.6	675
030K	X30K-B	28400	15.0	13.5	29400	8.7	960
036K	X36K-B	34800	15.0	13.5	33600	8.8	1125
042K	X48K-C	40000	15.5	14.0	38000	9.0	1300
048K	X48K-C	45500	14.0	12.6	44000	8.5	1660
060K	X60K-C	59000	14.0	12.5	52500	8.5	1660

See current AHRI Directory for certified combinations and ratings.

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.

Outdoor Thermostat - 913852
Two stage logic provides ability to lock out electric strips down to balance point and bring on in stages.

Fan Delay Kit (TDR)
911758 - 80 second fan delay

Extreme Wind Condition Mounting Kit - 920900

HEAT PUMP EXPANDED RATINGS - LOOSE COIL

MSH4BE018K with C6B(A,H)-X24(C,U)-(A,B) (LOOSE COIL)

ODT			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.
600	80	62	19.0	17.1	1.30	18.2	16.7	1.44	17.3	16.4	1.59	16.3	16.1	1.77	15.4	15.1	1.97
	80	67	20.7	14.3	1.30	19.7	13.9	1.43	18.7	13.4	1.59	17.6	13.0	1.77	16.4	12.5	1.97
	80	72	22.5	11.3	1.30	21.5	11.0	1.43	20.3	10.6	1.60	19.1	10.1	1.78	17.8	9.7	1.98
	75	63	18.8	14.4	1.30	18.0	14.0	1.44	17.1	13.6	1.60	16.1	13.1	1.77	14.9	12.6	1.97
700	80	62	19.8	18.5	1.31	18.9	18.1	1.43	17.9	17.5	1.60	17.1	17.1	1.77	16.1	16.1	1.97
	80	67	21.3	15.5	1.30	20.3	15.1	1.43	18.5	14.6	1.60	18.1	14.2	1.78	16.8	13.6	1.97
	80	72	23.0	12.1	1.30	22.0	11.7	1.43	20.8	11.3	1.60	19.6	10.9	1.78	18.2	10.4	1.98
	75	63	19.4	15.6	1.31	18.5	15.2	1.44	17.6	14.7	1.60	16.5	14.3	1.77	15.3	13.7	1.97
800	80	62	20.5	19.5	1.31	19.6	19.0	1.43	18.7	18.5	1.60	17.8	17.7	1.78	16.7	16.7	1.97
	80	67	21.7	16.7	1.31	20.7	16.2	1.43	19.6	15.8	1.60	18.4	15.3	1.78	17.1	14.7	1.98
	80	72	23.5	12.8	1.31	22.4	12.4	1.43	21.2	12.0	1.60	19.9	11.6	1.78	18.5	11.1	1.98
	75	63	19.9	16.8	1.31	18.9	16.3	1.44	17.9	15.9	1.60	16.8	15.3	1.77	15.7	14.7	1.97

MSH4BE024K with C6B(A,H)-X24(C,U)-(A,B) (LOOSE COIL)

ODT			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.
600	80	62	22.7	18.6	1.54	21.7	18.2	1.70	20.7	17.9	1.89	19.5	17.7	2.10	18.3	17.0	2.35
	80	67	24.6	15.6	1.54	23.5	15.1	1.70	22.4	14.7	1.89	21.2	14.2	2.11	19.8	13.6	2.35
	80	72	27.1	12.6	1.54	25.9	12.1	1.70	24.6	11.7	1.90	23.1	11.2	2.12	21.5	10.7	2.36
	75	63	22.5	16.0	1.54	21.5	15.5	1.70	20.5	15.0	1.89	19.4	14.5	2.10	18.1	13.9	2.35
700	80	62	23.5	20.3	1.54	22.4	19.8	1.70	21.4	19.5	1.89	20.2	19.5	2.11	18.9	18.7	2.35
	80	67	25.5	16.8	1.54	24.3	16.3	1.70	23.0	15.8	1.89	21.8	15.3	2.11	20.4	14.7	2.35
	80	72	27.5	13.4	1.55	26.2	12.9	1.70	25.0	12.5	1.89	23.6	12.0	2.12	22.0	11.4	2.36
	75	63	23.3	17.2	1.54	22.2	16.7	1.70	21.2	16.2	1.89	20.0	15.6	2.11	18.6	15.0	2.35
800	80	62	24.1	22.1	1.55	23.1	21.6	1.70	22.0	21.3	1.89	20.8	20.8	2.11	19.6	19.6	2.35
	80	67	26.1	17.9	1.55	24.9	17.5	1.70	23.6	17.0	1.89	22.3	16.4	2.11	20.8	15.8	2.35
	80	72	28.2	14.1	1.55	26.8	13.6	1.70	25.5	13.2	1.90	24.0	12.6	2.12	22.4	12.1	2.37
	75	63	23.9	18.4	1.55	22.8	17.9	1.70	21.7	17.3	1.89	20.4	16.7	2.11	19.0	16.1	2.35

MSH4BE030K with C6B(A,H)-X30(C,U)-(A,B,C) (LOOSE COIL)

ODT			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.
830	80	62	27.6	24.2	1.86	26.4	23.7	2.06	25.2	23.4	2.28	23.8	23.0	2.53	22.3	22.0	2.81
	80	67	29.9	20.6	1.86	28.6	20.0	2.05	27.3	19.5	2.27	25.8	18.9	2.52	24.1	18.2	2.81
	80	72	29.9	20.7	1.86	28.6	20.0	2.05	27.3	19.5	2.27	25.8	18.9	2.52	24.1	18.2	2.81
	75	63	27.4	20.5	1.87	26.2	19.9	2.06	25.0	19.4	2.28	23.5	18.7	2.53	21.9	18.0	2.82
930	80	62	28.4	25.8	1.87	27.1	25.2	2.06	25.9	24.8	2.28	24.5	24.5	2.53	23.1	23.1	2.81
	80	67	30.6	21.9	1.86	29.2	21.3	2.05	27.8	20.7	2.27	26.2	20.1	2.52	24.5	19.4	2.81
	80	72	30.7	22.0	1.87	29.2	21.3	2.05	27.8	20.7	2.27	26.2	20.1	2.52	24.5	19.4	2.81
	75	63	28.0	21.8	1.87	26.8	21.2	2.06	25.5	20.6	2.28	24.0	19.9	2.53	22.4	19.2	2.82
1030	80	62	28.9	27.5	1.88	27.7	26.8	2.06	26.5	26.1	2.28	25.3	25.2	2.52	23.8	23.8	2.81
	80	67	31.1	23.1	1.88	29.7	22.5	2.05	28.3	21.9	2.27	26.7	21.3	2.52	24.9	20.5	2.81
	80	72	31.2	23.2	1.87	29.7	22.5	2.05	28.3	21.9	2.27	26.7	21.3	2.52	24.9	20.5	2.81
	75	63	28.6	23.0	1.88	27.2	22.3	2.06	25.9	21.8	2.28	24.4	21.1	2.53	22.8	20.3	2.81

MSH4BE036K with C6B(A,H)-X36(C,U)-(B,C) (LOOSE COIL)

ODT			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.
1080	80	62	34.4	30.7	2.24	32.9	30.1	2.48	31.3	29.6	2.75	29.6	29.0	3.05	27.9	27.5	3.40
	80	67	37.2	26.5	2.25	35.6	25.7	2.49	33.9	25.0	2.76	31.9	24.2	3.06	29.7	23.3	3.40
	80	72	40.6	21.1	2.26	38.8	20.4	2.50	36.9	19.7	2.77	34.7	19.0	3.07	32.4	18.1	3.43
	75	63	34.1	26.0	2.24	32.6	25.2	2.48	31.0	24.5	2.75	29.2	23.7	3.05	27.2	22.9	3.40
1180	80	62	35.2	32.2	2.25	33.6	31.5	2.48	31.9	30.9	2.75	30.4	30.3	3.05	28.6	28.6	3.40
	80	67	37.9	27.7	2.26	36.1	26.9	2.49	34.3	26.2	2.76	32.3	25.4	3.06	30.1	24.5	3.41
	80	72	41.2	21.9	2.27	39.2	21.2	2.51	37.3	20.5	2.77	35.1	19.7	3.08	32.7	18.9	3.42
	75	63	34.7	27.2	2.25	33.1	26.5	2.48	31.5	25.7	2.75	29.6	24.9	3.05	27.6	24.0	3.40
1280	80	62	35.7	33.9	2.27	34.2	33.1	2.48	32.7	32.2	2.75	31.1	31.0	3.05	29.3	29.2	3.40
	80	67	38.4	28.9	2.28	36.6	28.1	2.50	34.8	27.4	2.76	32.7	26.6	3.06	30.5	25.7	3.41
	80	72	41.6	22.7	2.28	39.7	22.0	2.51	37.7	21.3	2.78	35.5	20.5	3.08	33.1	19.7	3.42
	75	63	35.2	28.4	2.26	33.6	27.6	2.48	31.9	26.9	2.75	30.0	26.1	3.05	28.0	25.1	3.40

MSH4BE042K with C6B(A,H)-X42(C,U)-(B,C) (LOOSE COIL)

ODT			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.
1140	80	62	38.7	33.0	2.56	37.1	32.4	2.84	35.3	31.9	3.14	33.4	31.4	3.48	31.4	30.2	3.87
	80	67	42.0	28.8	2.58	40.1	28.0	2.85	38.3	27.0	3.16	36.2	26.1	3.50	33.9	25.1	3.89
	80	72	45.8	23.2	2.59	43.8	22.5	2.87	41.6	21.7	3.18	39.2	20.8	3.53	36.8	19.9	3.92
	75	63	38.5	28.1	2.57	36.8	27.3	2.84	35.1	26.5	3.14	33.1	25.7	3.49	31.0	24.7	3.87
1340	80	62	40.1	36.0	2.58	38.4	35.2	2.85	36.6	34.6	3.15	34.8	34.3	3.49	32.6	32.6	3.88
	80	67	43.3	31.0	2.59	41.4	30.1	2.86	39.0	29.3	3.17	37.2	28.4	3.51	34.7	27.4	3.90
	80	72	46.9	24.8	2.61	44.7	24.0	2.88	42.5	23.2	3.19	40.2	22.3	3.54	37.6	21.3	3.93
	75	63	39.7	30.5	2.58	37.9	29.6	2.85	36.1	28.8	3.15	34.1	27.9	3.49	31.8	26.9	3.88
1540	80	62	41.4	38.7	2.60	39.6	37.8	2.85	37.7	37.1	3.15	35.9	35.9	3.50	33.9	33.8	3.89
	80	67	44.4	33.2	2.61	42.3	32.3	2.87	40.2	31.5	3.17	37.9	30.5	3.52	35.4	29.5	3.90
	80	72	47.8	26.2	2.62	45.5	25.4	2.88	43.3	24.6	3.20	40.9	23.7	3.54	38.2	22.7	3.93
	75	63	40.7	32.7	2.59	38.8	31.8	2.85	36.9	30.9	3.15	34.8	30.0	3.50	32.5	28.9	3.89

HEAT PUMP EXPANDED RATINGS - LOOSE COIL HEATING

MSH4BE018K with C6B(A,H)-X24(C,U)-(A,B) (LOOSE COIL)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
575	60	10.0	2.15	1.37	12.0	2.50	1.40	12.8	2.65	1.41	15.5	3.12	1.46	18.2	3.57	1.50	20.2	3.87	1.53	21.0	3.99	1.54	23.7	4.39	1.58
	70	9.5	2.16	1.30	11.3	2.46	1.34	12.0	2.58	1.36	14.5	2.96	1.43	17.0	3.31	1.50	18.7	3.54	1.55	19.5	3.63	1.57	21.9	3.92	1.64
	80	8.9	2.11	1.24	10.5	2.37	1.30	11.2	2.48	1.32	13.4	2.80	1.40	15.6	3.09	1.48	17.2	3.27	1.54	17.9	3.35	1.57	20.1	3.58	1.65
675	60	10.1	2.09	1.41	12.0	2.45	1.44	12.9	2.60	1.45	15.7	3.08	1.50	18.5	3.53	1.54	20.4	3.83	1.56	21.3	3.95	1.58	24.1	4.36	1.62
	70	9.6	2.10	1.35	11.4	2.40	1.39	12.2	2.52	1.41	14.7	2.91	1.48	17.2	3.27	1.55	19.0	3.50	1.59	19.8	3.60	1.61	22.3	3.90	1.68
	80	9.0	2.07	1.28	10.7	2.33	1.34	11.3	2.44	1.36	13.6	2.76	1.45	16.0	3.05	1.53	17.6	3.23	1.59	18.3	3.31	1.62	20.6	3.54	1.70
775	60	10.3	2.06	1.46	12.2	2.42	1.49	13.1	2.56	1.50	15.9	3.04	1.53	18.7	3.50	1.57	20.7	3.80	1.59	21.5	3.93	1.60	24.3	4.35	1.64
	70	9.7	2.06	1.38	11.5	2.37	1.43	12.3	2.49	1.45	14.9	2.88	1.52	17.5	3.24	1.58	19.3	3.48	1.63	20.1	3.58	1.65	22.7	3.88	1.71
	80	9.2	2.03	1.32	10.8	2.29	1.38	11.5	2.39	1.41	13.8	2.71	1.49	16.1	2.99	1.58	17.7	3.17	1.64	18.4	3.25	1.67	20.8	3.48	1.75

MSH4BE024K with C6B(A,H)-X24(C,U)-(A,B) (LOOSE COIL)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
650	60	8.9	2.14	1.22	12.0	2.60	1.35	13.3	2.77	1.41	17.7	3.25	1.60	22.1	3.62	1.79	25.2	3.84	1.92	26.5	3.93	1.98	30.9	4.18	2.17
	70	8.4	2.18	1.13	11.3	2.57	1.29	12.5	2.70	1.36	16.7	3.08	1.59	20.8	3.36	1.82	23.7	3.52	1.98	24.9	3.57	2.05	29.1	3.75	2.28
	80	7.7	2.16	1.05	10.5	2.49	1.23	11.7	2.61	1.31	15.6	2.91	1.57	19.5	3.12	1.83	22.2	3.24	2.01	23.4	3.28	2.09	27.3	3.41	2.35
750	60	8.9	2.07	1.26	12.0	2.54	1.39	13.4	2.71	1.45	17.9	3.20	1.63	22.3	3.60	1.82	25.4	3.83	1.95	26.8	3.92	2.01	31.2	4.18	2.19
	70	8.5	2.10	1.18	11.4	2.50	1.34	12.7	2.64	1.40	16.9	3.03	1.63	21.1	3.33	1.85	24.0	3.50	2.01	25.3	3.56	2.08	29.5	3.75	2.30
	80	7.9	2.11	1.09	10.7	2.45	1.28	11.8	2.56	1.35	15.8	2.87	1.61	19.8	3.10	1.87	22.6	3.22	2.06	23.8	3.27	2.13	27.8	3.40	2.39
850	60	9.1	2.03	1.31	12.2	2.50	1.44	13.6	2.67	1.49	18.1	3.17	1.67	22.5	3.57	1.85	25.7	3.81	1.98	27.0	3.90	2.03	31.5	4.18	2.21
	70	8.6	2.06	1.22	11.5	2.46	1.38	12.8	2.61	1.44	17.1	3.01	1.66	21.3	3.32	1.89	24.3	3.49	2.04	25.6	3.56	2.11	29.8	3.76	2.33
	80	8.0	2.06	1.14	10.8	2.40	1.32	12.0	2.52	1.40	16.0	2.83	1.66	20.0	3.06	1.91	22.8	3.19	2.09	24.0	3.24	2.17	28.0	3.38	2.43

MSH4BE030K with C6B(A,H)-X30(C,U)-(A,B,C) (LOOSE COIL)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
785	60	15.8	2.60	1.78	18.5	2.84	1.92	19.7	2.93	1.98	23.7	3.19	2.17	27.6	3.41	2.37	30.3	3.55	2.51	31.5	3.60	2.57	35.5	3.76	2.76
	70	15.1	2.50	1.77	17.7	2.69	1.93	18.9	2.76	2.00	22.6	2.97	2.23	26.3	3.13	2.46	28.9	3.23	2.62	30.0	3.27	2.69	33.7	3.39	2.92
	80	14.6	2.39	1.78	17.0	2.54	1.96	18.1	2.60	2.04	21.5	2.75	2.29	25.0	2.88	2.55	27.5	2.95	2.73	28.5	2.98	2.80	32.0	3.07	3.06
885	60	15.8	2.55	1.82	18.6	2.80	1.95	19.8	2.89	2.01	23.8	3.17	2.20	27.8	3.41	2.40	30.7	3.55	2.53	31.9	3.61	2.59	35.9	3.78	2.78
	70	15.3	2.46	1.82	17.9	2.66	1.97	19.0	2.74	2.04	22.8	2.95	2.26	26.6	3.13	2.49	29.2	3.24	2.64	30.3	3.28	2.71	34.1	3.41	2.93
	80	14.7	2.36	1.82	17.2	2.52	2.00	18.2	2.58	2.07	21.8	2.74	2.33	25.3	2.88	2.58	27.8	2.96	2.75	28.9	2.99	2.83	32.4	3.09	3.08
985	60	15.9	2.51	1.86	18.8	2.76	1.99	20.0	2.86	2.05	24.0	3.15	2.23	28.1	3.40	2.42	30.9	3.55	2.55	32.1	3.61	2.61	36.2	3.79	2.80
	70	15.4	2.44	1.85	18.1	2.64	2.01	19.2	2.72	2.07	23.0	2.94	2.29	26.8	3.13	2.51	29.5	3.25	2.67	30.6	3.29	2.73	34.5	3.42	2.95
	80	14.8	2.33	1.86	17.3	2.49	2.03	18.4	2.55	2.11	21.9	2.73	2.36	25.5	2.87	2.60	28.0	2.96	2.78	29.1	2.99	2.85	32.6	3.09	3.10

MSH4BE036K with C6B(A,H)-X36(C,U)-(B,C) (LOOSE COIL)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
1050	60	18.6	2.62	2.08	21.8	2.95	2.16	23.1	3.09	2.20	27.7	3.51	2.31	32.2	3.89	2.43	35.4	4.14	2.51	36.8	4.24	2.54	41.3	4.56	2.66
	70	17.9	2.48	2.12	20.9	2.77	2.22	22.2	2.89	2.26	26.6	3.26	2.39	30.9	3.59	2.53	33.9	3.80	2.62	35.2	3.88	2.66	39.6	4.15	2.80
	80	17.4	2.34	2.18	20.2	2.60	2.28	21.5	2.71	2.33	25.6	3.03	2.47	29.7	3.31	2.62	32.5	3.50	2.73	33.8	3.57	2.77	37.8	3.80	2.92
1200	60	18.7	2.57	2.14	22.0	2.91	2.21	23.4	3.05	2.25	28.0	3.49	2.36	32.6	3.88	2.46	35.9	4.14	2.54	37.2	4.24	2.57	41.9	4.58	2.68
	70	18.1	2.44	2.18	21.2	2.74	2.27	22.5	2.86	2.31	26.9	3.24	2.44	31.3	3.58	2.56	34.4	3.80	2.65	35.7	3.89	2.69	40.1	4.17	2.82
	80	17.5	2.30	2.23	20.5	2.57	2.33	21.7	2.68	2.38	25.9	3.01	2.52	30.1	3.31	2.67	33.0	3.50	2.77	34.3	3.58	2.81	38.5	3.82	2.95
1350	60	18.9	2.53	2.19	22.2	2.87	2.26	23.6	3.01	2.29	28.3	3.46	2.40	33.0	3.87	2.50	36.3	4.13	2.58	37.7	4.24	2.61	42.4	4.59	2.71
	70	18.3	2.41	2.23	21.5	2.72	2.32	22.8	2.84	2.35	27.3	3.23	2.48	31.7	3.58	2.60	34.9	3.80	2.69	36.2	3.89	2.73	40.7	4.18	2.85
	80	17.7	2.27	2.29	20.7	2.54	2.38	22.0	2.65	2.43	26.2	2.99	2.57	30.4	3.30	2.71	33.4	3.49	2.80	34.7	3.57	2.85	38.9	3.82	2.98

MSH4BE042K with C6B(A,H)-X42(C,U)-(B,C) (LOOSE COIL)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
1175	60	22.9	2.72	2.47	26.4	3.04	2.55	27.9	3.16	2.59	33.0	3.56	2.71	38.0	3.93	2.83	41.5	4.17	2.92	43.0	4.26	2.96	48.0	4.57	3.08
	70	22.1	2.53	2.56	25.5	2.82	2.66	27.0	2.93	2.70	31.8	3.29	2.84	36.6	3.61	2.97	40.0	3.82	3.07	41.5	3.91	3.11	46.3	4.18	3.25
	80	21.6	2.37	2.68	24.8	2.62	2.78	26.2	2.72	2.83	30.8	3.04	2.97	35.4	3.33	3.12	38.6	3.51	3.23	40.0	3.59	3.27	44.6	3.83	3.42
1325	60	23.1	2.69	2.51	26.7	3.01	2.59	28.2	3.14	2.63	33.3	3.56	2.75	38.4	3.93	2.86	42.0	4.18	2.94	43.5	4.28	2.98	48.6	4.61	3.09
	70	22.4	2.51	2.61	25.8	2.80	2.70	27.3	2.92	2.74	32.2	3.29	2.87	37.1	3.62	3.00	40.5	3.84	3.09	42.0	3.93	3.13	46.9	4.21	3.26
	80	21.8	2.34	2.73	25.1	2.60	2.83	26.5	2.71	2.87	31.2	3.04	3.01	35.9	3.34	3.15	39.1	3.53	3.25	40.6	3.61	3.29	45.2	3.86	3.43
1475	60	23.1	2.65	2.56	26.8	2.98	2.64	28.3	3.11	2.67	33.5	3.54	2.78	38.7	3.93	2.89	42.4	4.18	2.97	44.0	4.29	3.01	49.2	4.62	3.12
	70	22.6	2.50	2.66	26.1	2.79	2.74	27.6	2.91	2.78	32.5	3.28	2.91	37.5	3.63	3.03	41.0	3.85	3.12	42.4	3.94	3.16	47.4	4.24	3.28
	80	22.0	2.32	2.77	25.3	2.59	2.87	26.7	2.69	2.91	31.5	3.03	3.04	36.2	3.34	3.18	39.5	3.54	3.27	40.9	3.62	3.32	45.7	3.88	3.45

HEAT PUMP EXPANDED RATINGS - HEATING

MSH4BE018K with C6B(A,H)-X24(C,U)-(A,B) + MB6B(*)-(A,B)

O.D.T			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.
600	80	62	19.3	17.3	1.24	18.4	16.9	1.37	17.5	16.6	1.53	16.6	16.3	1.71	15.6	15.4	1.91
	80	67	20.9	14.4	1.24	20.0	14.0	1.37	19.0	13.6	1.53	17.8	13.2	1.71	16.6	12.7	1.91
	80	72	22.7	11.4	1.24	21.7	11.1	1.37	20.6	10.7	1.53	19.3	10.2	1.71	18.1	9.8	1.91
	75	63	19.0	14.6	1.24	18.2	14.1	1.37	17.3	13.7	1.53	16.3	13.3	1.71	15.2	12.8	1.91
700	80	62	20.0	18.7	1.24	19.1	18.4	1.37	18.1	17.7	1.53	17.3	17.3	1.71	16.3	16.3	1.91
	80	67	21.5	15.6	1.24	20.5	15.2	1.37	18.7	14.8	1.53	18.3	14.3	1.71	17.0	13.8	1.91
	80	72	23.3	12.2	1.24	22.2	11.8	1.37	21.0	11.4	1.53	19.8	11.0	1.72	18.4	10.5	1.92
	75	63	19.6	15.8	1.25	18.8	15.4	1.37	17.8	14.9	1.53	16.7	14.4	1.71	15.5	13.9	1.91
800	80	62	20.7	19.7	1.25	19.9	19.3	1.37	19.0	18.7	1.53	18.0	18.0	1.71	16.9	16.9	1.91
	80	67	21.9	16.8	1.25	20.9	16.4	1.37	19.8	15.9	1.53	18.6	15.5	1.71	17.3	14.9	1.91
	80	72	23.7	13.0	1.24	22.6	12.5	1.37	21.4	12.1	1.54	20.1	11.7	1.72	18.7	11.2	1.92
	75	63	20.1	17.0	1.25	19.2	16.5	1.37	18.2	16.1	1.53	17.1	15.5	1.71	15.9	14.9	1.91

MSH4BE024K with C6B(A,H)-X24(C,U)-(A,B) + MB6B(*)-(A,B)

O.D.T			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.
600	80	62	22.9	18.8	1.48	21.9	18.4	1.63	20.9	18.1	1.83	19.7	17.9	2.04	18.5	17.2	2.29
	80	67	24.9	15.7	1.48	23.7	15.3	1.63	22.6	14.8	1.83	21.4	14.3	2.05	20.0	13.8	2.29
	80	72	27.3	12.7	1.48	26.1	12.2	1.64	24.8	11.8	1.84	23.3	11.3	2.06	21.7	10.8	2.30
	75	63	22.8	16.1	1.48	21.8	15.7	1.64	20.7	15.1	1.83	19.6	14.6	2.04	18.3	14.0	2.29
700	80	62	23.7	20.5	1.48	22.6	20.0	1.63	21.6	19.7	1.83	20.4	19.7	2.04	19.1	18.9	2.29
	80	67	25.7	16.9	1.48	24.5	16.5	1.63	23.2	16.0	1.83	22.0	15.4	2.05	20.6	14.9	2.29
	80	72	27.8	13.5	1.48	26.5	13.0	1.64	25.2	12.6	1.83	23.8	12.1	2.06	22.2	11.5	2.30
	75	63	23.5	17.3	1.48	22.4	16.8	1.64	21.4	16.3	1.83	20.2	15.8	2.04	18.8	15.2	2.29
800	80	62	24.3	22.3	1.49	23.3	21.8	1.63	22.2	21.5	1.83	21.0	21.0	2.05	19.8	19.8	2.29
	80	67	26.3	18.1	1.49	25.1	17.6	1.64	23.8	17.1	1.83	22.5	16.6	2.05	21.0	16.0	2.29
	80	72	28.4	14.2	1.49	27.0	13.7	1.64	25.7	13.3	1.84	24.3	12.8	2.06	22.6	12.2	2.31
	75	63	24.1	18.5	1.49	23.0	18.0	1.64	21.9	17.5	1.83	20.6	16.9	2.05	19.3	16.3	2.29

MSH4BE030K with C6B(A,H)-X30(C,U)-(A,B,C) + MB6B(*)-(A,B,C)

O.D.T			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.
830	80	62	27.8	24.3	1.81	26.6	23.9	2.00	25.4	23.5	2.22	24.0	23.2	2.47	22.5	22.2	2.76
	80	67	30.1	20.7	1.80	28.8	20.1	2.00	27.5	19.6	2.22	26.0	19.0	2.47	24.3	18.3	2.75
	80	72	30.1	20.8	1.80	28.8	20.1	2.00	27.5	19.6	2.22	26.0	19.0	2.47	24.3	18.3	2.75
	75	63	27.6	20.7	1.81	26.4	20.1	2.01	25.1	19.5	2.23	23.7	18.9	2.47	22.1	18.2	2.76
930	80	62	28.6	25.9	1.81	27.3	25.4	2.00	26.1	24.9	2.22	24.7	24.7	2.47	23.3	23.3	2.76
	80	67	30.8	22.0	1.81	29.4	21.4	2.00	28.0	20.8	2.22	26.4	20.2	2.47	24.7	19.5	2.75
	80	72	30.8	22.1	1.81	29.4	21.4	2.00	28.0	20.8	2.22	26.4	20.2	2.47	24.7	19.5	2.75
	75	63	28.2	21.9	1.82	27.0	21.3	2.00	25.7	20.7	2.22	24.2	20.1	2.47	22.6	19.4	2.76
1030	80	62	29.1	27.7	1.83	27.9	27.0	2.00	26.7	26.3	2.22	25.4	25.4	2.47	24.0	24.0	2.75
	80	67	31.3	23.2	1.82	29.9	22.6	2.00	28.4	22.0	2.22	26.9	21.4	2.47	25.1	20.7	2.75
	80	72	31.4	23.3	1.82	29.9	22.6	2.00	28.4	22.0	2.22	26.9	21.4	2.47	25.1	20.7	2.75
	75	63	28.8	23.1	1.82	27.4	22.5	2.00	26.1	21.9	2.22	24.6	21.3	2.47	22.9	20.5	2.76

MSH4BE036K with C6B(A,H)-X36(C,U)-(B,C) + MB6B(*)-(B,C)

O.D.T			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.
1080	80	62	34.5	30.8	2.21	33.0	30.2	2.44	31.5	29.7	2.71	29.8	29.1	3.01	28.0	27.6	3.36
	80	67	37.4	26.5	2.22	35.7	25.8	2.45	34.0	25.1	2.72	32.0	24.3	3.02	29.9	23.4	3.37
	80	72	40.7	21.2	2.23	38.9	20.5	2.47	37.0	19.8	2.73	34.8	19.0	3.04	32.5	18.2	3.39
	75	63	34.2	26.1	2.21	32.7	25.3	2.45	31.1	24.6	2.71	29.3	23.8	3.01	27.3	23.0	3.37
1180	80	62	35.3	32.3	2.22	33.7	31.6	2.45	32.0	31.0	2.71	30.5	30.5	3.02	28.7	28.7	3.37
	80	67	38.0	27.8	2.22	36.3	27.0	2.46	34.4	26.3	2.72	32.4	25.5	3.03	30.3	24.6	3.37
	80	72	41.3	22.0	2.24	39.3	21.3	2.47	37.4	20.6	2.74	35.2	19.8	3.04	32.9	19.0	3.39
	75	63	34.8	27.3	2.22	33.2	26.6	2.45	31.6	25.8	2.71	29.7	25.0	3.02	27.7	24.1	3.37
1280	80	62	35.8	34.0	2.23	34.3	33.2	2.45	32.8	32.3	2.72	31.2	31.2	3.02	29.4	29.4	3.37
	80	67	38.5	29.0	2.24	36.7	28.2	2.46	34.9	27.5	2.72	32.8	26.7	3.03	30.6	25.8	3.37
	80	72	41.8	22.8	2.25	39.8	22.0	2.47	37.8	21.4	2.74	35.6	20.6	3.04	33.2	19.7	3.39
	75	63	35.3	28.5	2.23	33.7	27.7	2.45	32.0	27.0	2.72	30.1	26.2	3.02	28.1	25.2	3.37

MSH4BE042K with C6B(A,H)-X42(C,U)-(B,C) + MB6B(*)-(B,C)

O.D.T			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.
1140	80	62	38.7	33.0	2.57	37.0	32.3	2.85	35.3	31.8	3.15	33.4	31.4	3.49	31.4	30.2	3.88
	80	67	42.0	28.7	2.59	40.1	27.9	2.86	38.3	27.0	3.17	36.2	26.1	3.51	33.9	25.1	3.90
	80	72	45.8	23.2	2.60	43.7	22.4	2.88	41.6	21.7	3.19	39.2	20.8	3.54	36.7	19.9	3.93
	75	63	38.4	28.1	2.58	36.8	27.3	2.85	35.1	26.5	3.15	33.1	25.6	3.50	31.0	24.7	3.88
1340	80	62	40.1	35.9	2.59	38.3	35.2	2.85	36.5	34.5	3.16	34.7	34.3	3.50	32.6	32.6	3.89
	80	67	43.3	30.9	2.60	41.3	30.1	2.87	39.0	29.3	3.18	37.1	28.3	3.52	34.7	27.3	3.91
	80	72	46.8	24.7	2.62	44.7	23.9	2.89	42.5	23.1	3.20	40.2	22.3	3.55	37.5	21.3	3.94
	75	63	39.7	30.4	2.59	37.9	29.6	2.86	36.1	28.8	3.16	34.0	27.9	3.50	31.8	26.9	3.89
1540	80	62	41.4	38.7	2.61	39.6	37.7	2.86	37.7	37.1	3.16	35.9	35.8	3.51	33.8	33.8	3.90
	80	67	44.3	33.2	2.62	42.3	32.3	2.87	40.2	31.4	3.18	37.9	30.5	3.53	35.4	29.4	3.91
	80	72	47.8	26.2	2.63	45.5	25.4	2.89	43.3	24.6	3.21	40.8	23.7	3.55	38.1	22.7	3.94
	75	63	40.7	32.7	2.60	38.8	31.8	2.86	36.9	30.9	3.16	34.8	29.9	3.51	32.5	28.9	3.90

HEAT PUMP EXPANDED RATINGS - HEATING

MSH4BE018K with C6B(A,H)-X24(C,U)-(A,B) + MB6B(*)-(A,B)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
510	60	10.0	2.13	1.38	12.0	2.50	1.40	12.8	2.66	1.41	15.5	3.17	1.43	18.2	3.66	1.46	20.2	4.00	1.48	21.0	4.14	1.49	23.7	4.59	1.51
	70	9.5	2.14	1.31	11.3	2.46	1.34	12.0	2.59	1.36	14.5	3.01	1.41	17.0	3.40	1.46	18.7	3.66	1.50	19.5	3.77	1.51	21.9	4.11	1.56
	80	8.9	2.09	1.25	10.5	2.37	1.30	11.2	2.49	1.32	13.4	2.85	1.38	15.6	3.19	1.44	17.2	3.40	1.48	17.9	3.49	1.50	20.1	3.78	1.56
610	60	10.1	2.08	1.42	12.0	2.45	1.44	12.9	2.61	1.45	15.7	3.12	1.47	18.5	3.61	1.50	20.4	3.95	1.52	21.3	4.09	1.52	24.1	4.56	1.55
	70	9.6	2.08	1.36	11.4	2.40	1.39	12.2	2.53	1.41	14.7	2.96	1.46	17.2	3.36	1.51	19.0	3.62	1.54	19.8	3.73	1.55	22.3	4.08	1.60
	80	9.0	2.05	1.29	10.7	2.33	1.34	11.3	2.45	1.36	13.6	2.81	1.42	16.0	3.14	1.49	17.6	3.35	1.54	18.3	3.44	1.56	20.6	3.72	1.62
710	60	10.3	2.05	1.47	12.2	2.42	1.49	13.1	2.57	1.49	15.9	3.08	1.51	18.7	3.58	1.53	20.7	3.92	1.55	21.5	4.07	1.55	24.3	4.54	1.57
	70	9.7	2.04	1.40	11.5	2.37	1.43	12.3	2.50	1.44	14.9	2.93	1.49	17.5	3.33	1.54	19.3	3.59	1.57	20.1	3.70	1.59	22.7	4.06	1.64
	80	9.2	2.01	1.34	10.8	2.29	1.38	11.5	2.40	1.40	13.8	2.76	1.47	16.1	3.08	1.54	17.7	3.29	1.58	18.4	3.38	1.60	20.8	3.65	1.67

MSH4BE024K with C6B(A,H)-X24(C,U)-(A,B) + MB6B(*)-(A,B)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
600	60	13.1	2.42	1.59	15.4	2.74	1.65	16.4	2.87	1.67	19.6	3.28	1.75	22.9	3.65	1.84	25.2	3.89	1.90	26.1	3.99	1.92	29.4	4.29	2.01
	70	12.5	2.38	1.55	14.7	2.65	1.62	15.6	2.75	1.66	18.6	3.08	1.77	21.6	3.37	1.88	23.7	3.56	1.95	24.6	3.63	1.99	27.6	3.86	2.10
	80	12.0	2.30	1.53	13.9	2.53	1.61	14.7	2.62	1.65	17.5	2.89	1.78	20.3	3.13	1.90	22.2	3.28	1.99	23.1	3.34	2.03	25.8	3.52	2.15
700	60	13.2	2.37	1.63	15.5	2.70	1.69	16.5	2.83	1.71	19.8	3.24	1.79	23.1	3.62	1.87	25.4	3.87	1.93	26.4	3.97	1.95	29.8	4.29	2.03
	70	12.7	2.33	1.59	14.8	2.60	1.67	15.7	2.71	1.70	18.8	3.05	1.81	21.9	3.35	1.91	24.0	3.54	1.99	24.9	3.62	2.02	28.0	3.86	2.13
	80	12.1	2.26	1.57	14.1	2.49	1.65	14.9	2.58	1.69	17.7	2.86	1.82	20.6	3.11	1.94	22.6	3.26	2.03	23.4	3.32	2.07	26.3	3.51	2.19
800	60	13.3	2.33	1.67	15.6	2.66	1.73	16.7	2.79	1.75	20.0	3.21	1.83	23.3	3.60	1.90	25.7	3.85	1.96	26.7	3.96	1.98	30.0	4.29	2.05
	70	12.8	2.29	1.63	14.9	2.57	1.70	15.9	2.68	1.74	19.0	3.03	1.84	22.1	3.33	1.95	24.3	3.53	2.02	25.2	3.61	2.05	28.4	3.86	2.15
	80	12.2	2.23	1.61	14.2	2.46	1.69	15.1	2.55	1.73	17.9	2.83	1.86	20.8	3.07	1.98	22.8	3.23	2.07	23.6	3.29	2.11	26.5	3.48	2.23

MSH4BE030K with C6B(A,H)-X30(C,U)-(A,B,C) + MB6B(*)-(A,B,C)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
785	60	15.8	2.62	1.76	18.5	2.91	1.87	19.7	3.03	1.91	23.7	3.38	2.05	27.6	3.68	2.20	30.3	3.87	2.30	31.5	3.95	2.34	35.5	4.18	2.49
	70	15.1	2.53	1.75	17.7	2.78	1.87	18.9	2.87	1.93	22.6	3.15	2.10	26.3	3.39	2.27	28.9	3.54	2.39	30.0	3.60	2.44	33.7	3.78	2.62
	80	14.6	2.43	1.76	17.0	2.63	1.90	18.1	2.71	1.95	21.5	2.94	2.15	25.0	3.14	2.34	27.5	3.25	2.47	28.5	3.30	2.53	32.0	3.44	2.72
885	60	15.8	2.57	1.80	18.6	2.87	1.90	19.8	2.99	1.94	23.8	3.35	2.09	27.8	3.67	2.23	30.7	3.87	2.32	31.9	3.95	2.37	35.9	4.19	2.51
	70	15.3	2.49	1.80	17.9	2.74	1.92	19.0	2.84	1.97	22.8	3.13	2.13	26.6	3.38	2.30	29.2	3.54	2.42	30.3	3.60	2.47	34.1	3.79	2.64
	80	14.7	2.39	1.80	17.2	2.60	1.93	18.2	2.68	1.99	21.8	2.93	2.18	25.3	3.13	2.37	27.8	3.25	2.51	28.9	3.30	2.56	32.4	3.45	2.75
985	60	15.9	2.53	1.85	18.8	2.83	1.94	20.0	2.96	1.98	24.0	3.33	2.12	28.1	3.65	2.25	30.9	3.86	2.35	32.1	3.94	2.39	36.2	4.20	2.53
	70	15.4	2.46	1.83	18.1	2.72	1.95	19.2	2.82	2.00	23.0	3.12	2.16	26.8	3.38	2.33	29.5	3.54	2.44	30.6	3.60	2.49	34.5	3.80	2.66
	80	14.8	2.36	1.84	17.3	2.58	1.97	18.4	2.66	2.03	21.9	2.90	2.21	25.5	3.11	2.40	28.0	3.24	2.54	29.1	3.29	2.59	32.6	3.44	2.78

MSH4BE036K with C6B(A,H)-X36(C,U)-(B,C) + MB6B(*)-(B,C)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
975	60	19.4	2.69	2.11	22.4	3.02	2.18	23.7	3.15	2.20	28.0	3.58	2.30	32.4	3.97	2.39	35.4	4.22	2.46	36.7	4.33	2.48	41.0	4.67	2.58
	70	18.7	2.54	2.15	21.5	2.83	2.23	22.8	2.95	2.26	26.9	3.32	2.38	31.0	3.66	2.49	33.9	3.88	2.57	35.2	3.97	2.60	39.3	4.25	2.71
	80	18.1	2.40	2.21	20.8	2.66	2.30	22.0	2.76	2.33	25.9	3.09	2.46	29.8	3.39	2.58	32.5	3.58	2.67	33.7	3.66	2.70	37.6	3.90	2.82
1125	60	19.5	2.64	2.16	22.6	2.98	2.23	23.9	3.11	2.25	28.3	3.55	2.34	32.8	3.96	2.43	35.9	4.22	2.49	37.2	4.33	2.52	41.6	4.68	2.61
	70	18.9	2.50	2.21	21.8	2.80	2.28	23.1	2.92	2.31	27.3	3.30	2.42	31.5	3.65	2.53	34.4	3.88	2.60	35.7	3.97	2.63	39.9	4.27	2.74
	80	18.3	2.36	2.27	21.1	2.63	2.35	22.2	2.73	2.39	26.2	3.07	2.50	30.2	3.38	2.62	33.0	3.58	2.71	34.2	3.66	2.74	38.2	3.92	2.86
1275	60	19.6	2.60	2.21	22.8	2.93	2.27	24.1	3.08	2.30	28.6	3.52	2.38	33.1	3.94	2.47	36.3	4.21	2.53	37.6	4.33	2.55	42.1	4.69	2.63
	70	19.1	2.48	2.26	22.1	2.78	2.33	23.3	2.90	2.36	27.6	3.29	2.46	31.9	3.65	2.56	34.9	3.88	2.63	36.1	3.98	2.67	40.4	4.28	2.77
	80	18.5	2.33	2.32	21.3	2.60	2.40	22.5	2.71	2.43	26.5	3.05	2.55	30.6	3.36	2.66	33.4	3.57	2.74	34.6	3.65	2.78	38.6	3.91	2.89

MSH4BE042K with C6B(A,H)-X42(C,U)-(B,C) + MB6B(*)-(B,C)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
1175	60	22.9	2.72	2.47	26.4	3.04	2.55	27.9	3.17	2.59	33.0	3.58	2.70	38.0	3.96	2.81	41.5	4.21	2.89	43.0	4.31	2.92	48.0	4.64	3.04
	70	22.1	2.53	2.57	25.5	2.82	2.66	27.0	2.93	2.70	31.8	3.31	2.82	36.6	3.64	2.95	40.0	3.86	3.04	41.5	3.96	3.08	46.3	4.24	3.20
	80	21.6	2.36	2.69	24.8	2.62	2.78	26.2	2.72	2.82	30.8	3.06	2.96	35.4	3.36	3.09	38.6	3.55	3.19	40.0	3.63	3.23	44.6	3.89	3.37
1325	60	23.1	2.69	2.52	26.7	3.01	2.59	28.2	3.15	2.63	33.3	3.57	2.73	38.4	3.97	2.84	42.0	4.22	2.91	43.5	4.33	2.95	48.6	4.67	3.05
	70	22.4	2.51	2.62	25.8	2.80	2.70	27.3	2.92	2.74	32.2	3.30	2.86	37.1	3.65	2.98	40.5	3.88	3.06	42.0	3.97	3.10	46.9	4.27	3.22
	80	21.8	2.33	2.73	25.1	2.60	2.83	26.5	2.71	2.86	31.2	3.05	2.99	35.9	3.37	3.12	39.1	3.57	3.21	40.6	3.66	3.25	45.2	3.92	3.38
1475	60	23.1	2.64	2.56	26.8	2.98	2.64	28.3	3.12	2.67	33.5	3.55	2.77	38.7	3.96	2.87	42.4	4.22	2.94	44.0	4.33	2.98	49.2	4.68	3.08
	70	22.6	2.49	2.66	26.1	2.79	2.74	27.6	2.91	2.78	32.5	3.30	2.89	37.5	3.65	3.01	41.0	3.89	3.09	42.4	3.99	3.12	47.4	4.29	3.24
	80	22.0	2.32	2.78	25.3	2.59	2.87	26.7	2.70	2.90	31.5	3.05	3.03	36.2	3.37	3.15	39.5	3.58	3.24	40.9	3.66	3.28	45.7	3.94	3.40

HEAT PUMP EXPANDED RATINGS + VSB

MSH4BE018K with C6B(A,H)-X24(C,U)-(A,B) + VSB
MSH4BE018K with PAH4VMX24K(A,B), or B4VM-X24K-(A,B)

ODT			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.
575	80	62	19.6	17.5	1.14	18.7	17.2	1.26	17.8	16.9	1.41	16.8	16.5	1.57	15.8	15.6	1.75
	80	67	21.2	14.6	1.14	20.3	14.2	1.26	19.3	13.8	1.41	18.1	13.4	1.57	16.9	12.9	1.75
	80	72	23.1	11.6	1.14	22.1	11.2	1.26	20.9	10.8	1.41	19.7	10.4	1.57	18.3	9.9	1.76
	75	63	19.3	14.8	1.14	18.5	14.4	1.26	17.6	13.9	1.41	16.5	13.5	1.57	15.4	13.0	1.75
675	80	62	20.3	19.0	1.14	19.4	18.6	1.26	18.4	18.0	1.41	17.6	17.6	1.57	16.6	16.6	1.75
	80	67	21.8	15.9	1.14	20.8	15.5	1.26	19.0	15.0	1.41	18.6	14.6	1.57	17.3	14.0	1.76
	80	72	23.6	12.4	1.14	22.5	12.0	1.26	21.4	11.6	1.41	20.1	11.1	1.58	18.7	10.7	1.76
	75	63	20.0	16.1	1.14	19.1	15.6	1.26	18.1	15.2	1.41	17.0	14.7	1.57	15.8	14.1	1.75
775	80	62	21.1	20.0	1.15	20.2	19.6	1.26	19.3	19.0	1.41	18.3	18.2	1.57	17.2	17.1	1.75
	80	67	22.3	17.1	1.15	21.3	16.6	1.26	20.1	16.2	1.41	18.9	15.7	1.57	17.6	15.2	1.76
	80	72	24.1	13.2	1.14	22.9	12.7	1.26	21.7	12.3	1.41	20.4	11.9	1.58	19.0	11.4	1.76
	75	63	20.4	17.3	1.15	19.5	16.8	1.26	18.4	16.3	1.41	17.3	15.8	1.57	16.2	15.2	1.75

MSH4BE024K with C6B(A,H)-X24(C,U)-(A,B) + VSB
MSH4BE024K with PAH4VMX24K(A,B), or B4VMX24K-(A,B)

O.D.T			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.
575	80	62	23.1	18.9	1.40	22.1	18.6	1.55	21.0	18.3	1.73	19.9	18.0	1.93	18.7	17.4	2.16
	80	67	25.1	15.9	1.40	24.0	15.4	1.55	22.8	15.0	1.73	21.6	14.4	1.94	20.2	13.9	2.17
	80	72	27.6	12.8	1.40	26.3	12.4	1.55	25.0	11.9	1.74	23.5	11.4	1.95	21.9	10.9	2.18
	75	63	22.9	16.3	1.40	21.9	15.8	1.55	20.9	15.3	1.73	19.8	14.7	1.93	18.5	14.2	2.17
675	80	62	23.9	20.6	1.40	22.8	20.2	1.55	21.8	19.9	1.73	20.6	19.9	1.94	19.3	19.1	2.17
	80	67	25.9	17.1	1.40	24.7	16.6	1.55	23.4	16.1	1.73	22.2	15.6	1.94	20.8	15.0	2.17
	80	72	28.0	13.6	1.41	26.7	13.1	1.55	25.4	12.7	1.73	24.0	12.2	1.95	22.4	11.6	2.18
	75	63	23.7	17.5	1.40	22.6	17.0	1.55	21.6	16.5	1.73	20.3	15.9	1.93	19.0	15.3	2.17
775	80	62	24.5	22.5	1.41	23.5	21.9	1.55	22.4	21.6	1.73	21.2	21.2	1.94	20.0	20.0	2.17
	80	67	26.5	18.2	1.41	25.3	17.7	1.55	24.0	17.2	1.73	22.7	16.7	1.94	21.2	16.1	2.17
	80	72	28.6	14.3	1.41	27.3	13.9	1.55	25.9	13.4	1.74	24.5	12.9	1.95	22.8	12.3	2.18
	75	63	24.3	18.7	1.41	23.2	18.2	1.55	22.1	17.6	1.73	20.8	17.1	1.94	19.4	16.4	2.17

MSH4BE030K with C6B(A,H)-X30(C,U)-(A,B,C) + VSB
MSH4BE030K with PAH4VMX30K(A,B), or B4VM-X30K-(A,B)

O.D.T			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.
860	80	62	28.2	24.7	1.72	27.0	24.2	1.90	25.8	23.9	2.11	24.4	23.5	2.35	22.8	22.5	2.62
	80	67	30.5	21.0	1.71	29.2	20.4	1.90	27.9	19.9	2.10	26.3	19.3	2.34	24.6	18.6	2.61
	80	72	30.6	21.1	1.71	29.2	20.4	1.90	27.9	19.9	2.10	26.3	19.3	2.34	24.6	18.6	2.61
	75	63	28.0	20.9	1.72	26.8	20.3	1.90	25.5	19.8	2.11	24.1	19.2	2.35	22.4	18.5	2.62
960	80	62	29.0	26.3	1.72	27.7	25.8	1.90	26.4	25.3	2.11	25.1	25.0	2.35	23.6	23.6	2.62
	80	67	31.2	22.3	1.72	29.8	21.7	1.89	28.4	21.1	2.10	26.8	20.5	2.34	25.0	19.8	2.61
	80	72	31.3	22.4	1.72	29.8	21.7	1.89	28.4	21.1	2.10	26.8	20.5	2.34	25.0	19.8	2.61
	75	63	28.6	22.2	1.72	27.3	21.6	1.90	26.0	21.0	2.11	24.5	20.4	2.35	22.9	19.7	2.62
1060	80	62	29.5	28.0	1.73	28.3	27.4	1.90	27.1	26.7	2.11	25.8	25.8	2.34	24.3	24.3	2.61
	80	67	31.8	23.6	1.73	30.3	22.9	1.90	28.8	22.4	2.10	27.2	21.7	2.34	25.4	21.0	2.61
	80	72	31.8	23.7	1.73	30.3	22.9	1.90	28.8	22.4	2.10	27.2	21.7	2.34	25.4	21.0	2.61
	75	63	29.2	23.5	1.73	27.8	22.8	1.90	26.5	22.2	2.11	25.0	21.6	2.35	23.3	20.8	2.62

MSH4BE036K with C6B(A,H)-X36(C,U)-(B,C) + VSB
MSH4BE036K with PAH4VMX36KB or B4VM-X36K-B

O.D.T			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.
1025	80	62	34.9	31.2	2.09	33.4	30.6	2.31	31.8	30.1	2.57	30.1	29.4	2.85	28.3	27.9	3.19
	80	67	37.8	26.9	2.10	36.1	26.1	2.32	34.4	25.4	2.58	32.4	24.6	2.86	30.2	23.7	3.19
	80	72	41.2	21.4	2.11	39.4	20.7	2.34	37.4	20.0	2.59	35.2	19.3	2.88	32.9	18.4	3.21
	75	63	34.6	26.4	2.09	33.1	25.6	2.32	31.5	24.9	2.57	29.6	24.1	2.85	27.7	23.3	3.19
1125	80	62	35.7	32.7	2.10	34.1	32.0	2.32	32.4	31.4	2.57	30.8	30.8	2.86	29.1	29.0	3.19
	80	67	38.4	28.1	2.11	36.7	27.4	2.33	34.8	26.6	2.58	32.8	25.8	2.86	30.6	24.9	3.19
	80	72	41.8	22.2	2.12	39.8	21.5	2.34	37.8	20.8	2.59	35.7	20.0	2.88	33.2	19.2	3.21
	75	63	35.2	27.7	2.10	33.6	26.9	2.32	31.9	26.1	2.57	30.1	25.3	2.86	28.0	24.4	3.19
1225	80	62	36.2	34.4	2.12	34.7	33.6	2.32	33.2	32.7	2.57	31.6	31.5	2.86	29.7	29.7	3.19
	80	67	39.0	29.3	2.12	37.1	28.6	2.33	35.3	27.8	2.58	33.2	27.0	2.87	31.0	26.1	3.19
	80	72	42.2	23.0	2.13	40.2	22.3	2.34	38.3	21.6	2.60	36.0	20.8	2.88	33.6	20.0	3.21
	75	63	35.7	28.9	2.11	34.1	28.1	2.32	32.4	27.3	2.57	30.5	26.5	2.86	28.4	25.5	3.19

HEAT PUMP EXPANDED RATINGS + VSB (continued)

MSH4BE042K with C6B(A,H)-X42(C,U)-(B,C) + VSB
MSH4BE042K with PAH4VMX48K(B,C), or B4VM-X48K-(B,C)

O.D.T			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.
1115	80	62	39.2	33.4	2.46	37.5	32.7	2.73	35.8	32.2	3.01	33.8	31.8	3.34	31.8	30.6	3.71
	80	67	42.5	29.1	2.47	40.6	28.3	2.74	38.8	27.3	3.03	36.7	26.4	3.36	34.3	25.4	3.74
	80	72	46.4	23.5	2.49	44.3	22.7	2.76	42.1	22.0	3.05	39.7	21.1	3.39	37.2	20.2	3.76
	75	63	38.9	28.4	2.46	37.2	27.6	2.73	35.5	26.8	3.02	33.5	26.0	3.34	31.4	25.0	3.71
1315	80	62	40.6	36.4	2.48	38.8	35.6	2.73	37.0	35.0	3.02	35.2	34.7	3.35	33.0	33.0	3.73
	80	67	43.9	31.3	2.49	41.9	30.5	2.75	39.5	29.6	3.04	37.6	28.7	3.37	35.2	27.7	3.74
	80	72	47.4	25.1	2.51	45.2	24.2	2.76	43.0	23.4	3.06	40.7	22.6	3.39	38.0	21.6	3.77
	75	63	40.2	30.8	2.48	38.3	30.0	2.73	36.5	29.1	3.03	34.5	28.2	3.35	32.2	27.2	3.72
1515	80	62	41.9	39.1	2.50	40.1	38.2	2.74	38.2	37.6	3.03	36.3	36.3	3.36	34.3	34.2	3.74
	80	67	44.9	33.6	2.50	42.8	32.7	2.75	40.7	31.8	3.04	38.4	30.9	3.38	35.8	29.8	3.74
	80	72	48.4	26.6	2.52	46.1	25.7	2.77	43.8	24.9	3.07	41.4	24.0	3.40	38.6	23.0	3.77
	75	63	41.2	33.1	2.49	39.3	32.2	2.74	37.4	31.3	3.03	35.2	30.3	3.36	32.9	29.2	3.73

MSH4BE048K with C6B(A,H)-X48(C,U)-C + VSB
MSH4BE048K with PAH4VMX48KC, or B4VM-X48K-C

ODT			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.
1460	80	62	45.7	40.5	2.95	43.8	39.8	3.27	41.7	39.1	3.61	39.5	38.3	4.00	37.2	36.6	4.44
	80	67	49.3	34.9	2.97	47.1	33.9	3.29	44.9	32.9	3.63	42.5	31.9	4.02	39.7	30.8	4.45
	80	72	53.4	28.0	2.98	51.0	27.1	3.31	48.5	26.2	3.65	45.9	25.2	4.04	43.0	24.1	4.47
	75	63	45.2	34.4	2.95	43.2	33.4	3.27	41.2	32.5	3.62	38.9	31.4	4.00	36.4	30.3	4.44
1660	80	62	47.1	43.2	2.97	45.0	42.3	3.28	42.8	41.5	3.62	40.7	40.7	4.01	38.5	38.5	4.45
	80	67	50.5	37.2	2.98	48.2	36.1	3.29	45.5	35.2	3.63	43.3	34.1	4.02	40.5	32.9	4.46
	80	72	54.4	29.5	3.00	51.9	28.6	3.31	49.4	27.6	3.65	46.6	26.6	4.04	43.6	25.5	4.48
	75	63	46.3	36.7	2.97	44.2	35.6	3.28	42.1	34.7	3.62	39.7	33.6	4.01	37.1	32.4	4.44
1860	80	62	48.1	45.7	2.99	46.0	44.6	3.28	44.1	43.5	3.63	42.0	41.9	4.02	39.6	39.6	4.45
	80	67	51.4	39.4	3.00	49.0	38.3	3.30	46.6	37.3	3.64	44.0	36.2	4.03	41.1	35.0	4.46
	80	72	55.3	31.0	3.02	52.6	30.0	3.32	50.1	29.0	3.66	47.3	28.0	4.04	44.2	26.9	4.48
	75	63	47.2	38.9	2.99	45.0	37.8	3.28	42.8	36.7	3.62	40.4	35.6	4.01	37.8	34.3	4.45

MSH4BE060K with C6B(A,H)-X60(C,U)-C + VSB
MSH4BE060K with PAH4VMX60KC, or B4VM-X60K-C

ODT			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.
1460	80	62	58.4	46.7	3.93	55.8	45.8	4.35	53.2	45.0	4.82	50.3	44.4	5.36	47.0	42.7	5.97
	80	67	63.4	40.5	3.98	60.6	39.4	4.41	57.8	38.2	4.89	54.6	36.8	5.42	51.0	35.4	6.03
	80	72	69.5	33.1	4.06	66.4	32.0	4.50	63.1	30.8	4.97	59.6	29.6	5.50	55.5	28.2	6.11
	75	63	58.1	40.5	3.94	55.6	39.3	4.36	53.0	38.1	4.82	50.1	36.5	5.36	46.8	35.0	5.96
1660	80	62	60.1	50.0	3.96	57.4	49.0	4.37	54.7	48.2	4.84	51.7	48.2	5.38	48.3	46.4	5.99
	80	67	65.2	43.1	4.02	62.2	41.9	4.43	59.0	40.7	4.91	55.9	39.0	5.44	52.2	37.5	6.05
	80	72	71.0	34.8	4.10	67.7	33.6	4.52	64.3	32.5	4.98	60.4	31.2	5.52	56.3	29.7	6.12
	75	63	59.8	42.7	3.96	57.1	41.5	4.37	54.4	40.3	4.84	51.3	38.9	5.38	47.9	37.4	5.98
1860	80	62	61.4	53.9	4.01	58.8	52.6	4.39	56.0	52.0	4.86	52.9	51.0	5.40	49.5	48.7	6.00
	80	67	66.7	45.1	4.05	63.6	43.9	4.45	60.5	42.7	4.93	57.0	41.2	5.46	53.1	39.7	6.06
	80	72	72.0	36.4	4.13	68.6	35.2	4.54	65.2	34.0	5.01	61.4	32.6	5.54	57.2	31.1	6.14
	75	63	61.3	45.1	3.99	58.5	43.9	4.39	55.5	42.6	4.86	52.3	41.2	5.40	48.8	39.6	6.00

HEAT PUMP EXPANDED RATINGS + VSB HEATING

MSH4BE018K with C6B(A,H)-X24(C,U)-(A,B) + VSB
MSH4BE018K with PAH4VMX24K(A,B), or B4VM-X24K-(A,B)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
510	60	10.0	2.13	1.38	12.0	2.50	1.40	12.8	2.66	1.41	15.5	3.17	1.43	18.2	3.66	1.46	20.2	4.00	1.48	21.0	4.14	1.49	23.7	4.59	1.51
	70	9.5	2.14	1.31	11.3	2.46	1.34	12.0	2.59	1.36	14.5	3.01	1.41	17.0	3.40	1.46	18.7	3.66	1.50	19.5	3.77	1.51	21.9	4.11	1.56
	80	8.9	2.09	1.25	10.5	2.37	1.30	11.2	2.49	1.32	13.4	2.85	1.38	15.6	3.19	1.44	17.2	3.40	1.48	17.9	3.49	1.50	20.1	3.78	1.56
610	60	10.1	2.08	1.42	12.0	2.45	1.44	12.9	2.61	1.45	15.7	3.12	1.47	18.5	3.61	1.50	20.4	3.95	1.52	21.3	4.09	1.52	24.1	4.56	1.55
	70	9.6	2.08	1.36	11.4	2.40	1.39	12.2	2.53	1.41	14.7	2.96	1.46	17.2	3.36	1.51	19.0	3.62	1.54	19.8	3.73	1.55	22.3	4.08	1.60
	80	9.0	2.05	1.29	10.7	2.33	1.34	11.3	2.45	1.36	13.6	2.81	1.42	16.0	3.14	1.49	17.6	3.35	1.54	18.3	3.44	1.56	20.6	3.72	1.62
710	60	10.3	2.05	1.47	12.2	2.42	1.49	13.1	2.57	1.49	15.9	3.08	1.51	18.7	3.58	1.53	20.7	3.92	1.55	21.5	4.07	1.55	24.3	4.54	1.57
	70	9.7	2.04	1.40	11.5	2.37	1.43	12.3	2.50	1.44	14.9	2.93	1.49	17.5	3.33	1.54	19.3	3.59	1.57	20.1	3.70	1.59	22.7	4.06	1.64
	80	9.2	2.01	1.34	10.8	2.29	1.38	11.5	2.40	1.40	13.8	2.76	1.47	16.1	3.08	1.54	17.7	3.29	1.58	18.4	3.38	1.60	20.8	3.65	1.67

MSH4BE024K with C6B(A,H)-X24(C,U)-(A,B) + VSB
MSH4BE024K with PAH4VMX24K(A,B), or B4VMX24K-(A,B)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
600	60	12.7	2.40	1.55	15.0	2.74	1.61	16.0	2.88	1.63	19.2	3.31	1.70	22.5	3.71	1.77	24.8	3.97	1.83	25.7	4.08	1.85	29.0	4.42	1.92
	70	12.1	2.36	1.51	14.3	2.65	1.58	15.2	2.76	1.61	18.2	3.12	1.71	21.2	3.44	1.81	23.3	3.64	1.88	24.2	3.72	1.91	27.2	3.98	2.01
	80	11.6	2.28	1.48	13.5	2.53	1.56	14.3	2.63	1.60	17.1	2.93	1.71	19.9	3.20	1.82	21.8	3.36	1.90	22.7	3.43	1.94	25.4	3.64	2.05
700	60	12.8	2.35	1.60	15.1	2.69	1.65	16.1	2.83	1.67	19.4	3.27	1.74	22.7	3.68	1.81	25.0	3.95	1.86	26.0	4.06	1.88	29.4	4.41	1.95
	70	12.3	2.31	1.56	14.4	2.60	1.62	15.3	2.72	1.65	18.4	3.08	1.75	21.5	3.41	1.84	23.6	3.62	1.91	24.5	3.71	1.94	27.6	3.97	2.04
	80	11.7	2.25	1.52	13.7	2.50	1.60	14.5	2.60	1.64	17.3	2.90	1.75	20.2	3.17	1.87	22.2	3.34	1.95	23.0	3.41	1.98	25.9	3.62	2.10
800	60	12.9	2.31	1.64	15.2	2.65	1.69	16.3	2.79	1.71	19.6	3.24	1.77	22.9	3.66	1.84	25.3	3.93	1.89	26.3	4.05	1.91	29.6	4.41	1.97
	70	12.4	2.28	1.59	14.5	2.57	1.66	15.5	2.69	1.69	18.6	3.06	1.78	21.7	3.39	1.88	23.9	3.61	1.94	24.8	3.69	1.97	28.0	3.97	2.07
	80	11.8	2.21	1.56	13.8	2.46	1.64	14.7	2.56	1.68	17.5	2.87	1.79	20.4	3.13	1.91	22.4	3.30	1.99	23.2	3.37	2.02	26.1	3.58	2.13

MSH4BE030K with C6B(A,H)-X30(C,U)-(A,B,C) + VSB
MSH4BE030K with PAH4VMX30K(A,B), or B4VM-X30K-(A,B)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
785	60	15.8	2.62	1.76	18.5	2.91	1.87	19.7	3.03	1.91	23.7	3.38	2.05	27.6	3.68	2.20	30.3	3.87	2.30	31.5	3.95	2.34	35.5	4.18	2.49
	70	15.1	2.53	1.75	17.7	2.78	1.87	18.9	2.87	1.93	22.6	3.15	2.10	26.3	3.39	2.27	28.9	3.54	2.39	30.0	3.60	2.44	33.7	3.78	2.62
	80	14.6	2.43	1.76	17.0	2.63	1.90	18.1	2.71	1.95	21.5	2.94	2.15	25.0	3.14	2.34	27.5	3.25	2.47	28.5	3.30	2.53	32.0	3.44	2.72
885	60	15.8	2.57	1.80	18.6	2.87	1.90	19.8	2.99	1.94	23.8	3.35	2.09	27.8	3.67	2.23	30.7	3.87	2.32	31.9	3.95	2.37	35.9	4.19	2.51
	70	15.3	2.49	1.80	17.9	2.74	1.92	19.0	2.84	1.97	22.8	3.13	2.13	26.6	3.38	2.30	29.2	3.54	2.42	30.3	3.60	2.47	34.1	3.79	2.64
	80	14.7	2.39	1.80	17.2	2.60	1.93	18.2	2.68	1.99	21.8	2.93	2.18	25.3	3.13	2.37	27.8	3.25	2.51	28.9	3.30	2.56	32.4	3.45	2.75
985	60	15.9	2.53	1.85	18.8	2.83	1.94	20.0	2.96	1.98	24.0	3.33	2.12	28.1	3.65	2.25	30.9	3.86	2.35	32.1	3.94	2.39	36.2	4.20	2.53
	70	15.4	2.46	1.83	18.1	2.72	1.95	19.2	2.82	2.00	23.0	3.12	2.16	26.8	3.38	2.33	29.5	3.54	2.44	30.6	3.60	2.49	34.5	3.80	2.66
	80	14.8	2.36	1.84	17.3	2.58	1.97	18.4	2.66	2.03	21.9	2.90	2.21	25.5	3.11	2.40	28.0	3.24	2.54	29.1	3.29	2.59	32.6	3.44	2.78

MSH4BE036K with C6B(A,H)-X36(C,U)-(B,C) + VSB
MSH4BE036K with PAH4VMX36KB or B4VM-X36K-B

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
975	60	17.7	2.63	1.97	21.0	3.01	2.05	22.4	3.16	2.08	27.1	3.64	2.18	31.7	4.07	2.28	35.0	4.36	2.36	36.4	4.47	2.39	41.1	4.84	2.49
	70	17.0	2.51	1.99	20.2	2.84	2.08	21.5	2.98	2.12	26.0	3.39	2.24	30.4	3.77	2.37	33.5	4.01	2.45	34.9	4.10	2.49	39.3	4.41	2.62
	80	16.5	2.38	2.03	19.4	2.68	2.13	20.7	2.80	2.17	24.9	3.17	2.31	29.2	3.50	2.45	32.1	3.70	2.54	33.4	3.79	2.59	37.6	4.05	2.72
1125	60	17.8	2.58	2.03	21.2	2.96	2.10	22.6	3.12	2.13	27.4	3.61	2.22	32.1	4.06	2.32	35.5	4.35	2.39	36.9	4.47	2.42	41.6	4.85	2.52
	70	17.2	2.46	2.05	20.4	2.80	2.14	21.8	2.94	2.17	26.3	3.37	2.29	30.8	3.75	2.41	34.0	4.00	2.49	35.4	4.10	2.53	39.9	4.42	2.65
	80	16.6	2.33	2.09	19.7	2.64	2.18	20.9	2.76	2.22	25.3	3.14	2.36	29.6	3.48	2.49	32.6	3.70	2.59	33.9	3.78	2.63	38.2	4.06	2.76
1275	60	18.0	2.53	2.08	21.3	2.92	2.15	22.8	3.07	2.17	27.6	3.57	2.27	32.5	4.03	2.36	35.9	4.33	2.43	37.3	4.46	2.46	42.2	4.85	2.55
	70	17.4	2.43	2.10	20.6	2.77	2.18	22.0	2.91	2.22	26.6	3.35	2.33	31.2	3.74	2.45	34.5	3.99	2.53	35.8	4.10	2.56	40.4	4.43	2.68
	80	16.8	2.30	2.14	19.9	2.61	2.24	21.2	2.73	2.27	25.6	3.12	2.41	29.9	3.46	2.54	33.0	3.68	2.63	34.3	3.77	2.67	38.7	4.05	2.80

HEAT PUMP EXPANDED RATINGS + VSB HEATING (continued)

MSH4BE042K with C6B(A,H)-X42(C,U)-(B,C) + VSB
MSH4BE042K with PAH4VMX48K(B,C), or B4VM-X48K-(B,C)

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
1175	60	21.0	2.68	2.30	24.8	3.03	2.40	26.4	3.17	2.45	31.8	3.60	2.59	37.2	3.99	2.74	41.0	4.23	2.84	42.6	4.33	2.88	48.0	4.65	3.03
	70	20.3	2.51	2.37	23.9	2.82	2.49	25.5	2.95	2.54	30.7	3.33	2.70	35.9	3.67	2.87	39.5	3.89	2.98	41.1	3.97	3.03	46.3	4.24	3.20
	80	19.8	2.35	2.46	23.2	2.63	2.59	24.7	2.74	2.64	29.7	3.09	2.82	34.7	3.39	3.00	38.1	3.57	3.13	39.6	3.65	3.18	44.6	3.89	3.36
1325	60	21.2	2.65	2.35	25.0	3.00	2.45	26.7	3.14	2.49	32.2	3.59	2.63	37.6	3.99	2.77	41.5	4.24	2.86	43.1	4.35	2.91	48.6	4.68	3.05
	70	20.5	2.48	2.42	24.2	2.80	2.53	25.8	2.93	2.58	31.0	3.32	2.74	36.3	3.68	2.90	40.0	3.90	3.01	41.6	3.99	3.06	46.8	4.28	3.21
	80	19.9	2.32	2.51	23.5	2.61	2.64	25.0	2.72	2.69	30.0	3.08	2.86	35.1	3.39	3.03	38.6	3.59	3.16	40.2	3.67	3.21	45.2	3.92	3.38
1475	60	21.3	2.60	2.40	25.2	2.96	2.49	26.8	3.11	2.53	32.4	3.56	2.67	38.0	3.98	2.80	41.9	4.24	2.90	43.6	4.35	2.94	49.1	4.69	3.07
	70	20.7	2.46	2.47	24.5	2.78	2.58	26.1	2.91	2.62	31.4	3.32	2.78	36.7	3.68	2.93	40.5	3.91	3.04	42.0	4.00	3.08	47.4	4.30	3.23
	80	20.1	2.30	2.56	23.7	2.59	2.68	25.2	2.71	2.73	30.3	3.07	2.90	35.4	3.39	3.07	39.0	3.59	3.18	40.5	3.68	3.23	45.7	3.94	3.40

MSH4BE048K with C6B(A,H)-X48(C,U)-C + VSB
MSH4BE048K with PAH4VMX48KC, or B4VM-X48K-C

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
1475	60	25.2	2.65	2.79	28.7	2.94	2.86	30.1	3.06	2.89	35.1	3.44	2.99	40.0	3.80	3.09	43.5	4.03	3.16	45.0	4.13	3.19	49.9	4.44	3.29
	70	24.4	2.44	2.93	27.7	2.70	3.01	29.2	2.81	3.04	33.9	3.16	3.15	38.7	3.48	3.26	42.0	3.70	3.33	43.5	3.78	3.37	48.2	4.07	3.48
	80	23.9	2.26	3.09	27.0	2.50	3.17	28.4	2.60	3.21	32.9	2.91	3.32	37.5	3.20	3.44	40.7	3.39	3.52	42.0	3.47	3.55	46.6	3.72	3.67
1625	60	25.4	2.63	2.83	28.9	2.93	2.89	30.4	3.05	2.92	35.4	3.44	3.02	40.5	3.81	3.11	44.0	4.06	3.18	45.5	4.16	3.21	50.5	4.48	3.30
	70	24.6	2.43	2.97	28.0	2.70	3.04	29.5	2.81	3.07	34.3	3.17	3.18	39.1	3.50	3.28	42.5	3.72	3.35	44.0	3.81	3.38	48.8	4.11	3.48
	80	24.0	2.25	3.14	27.3	2.49	3.21	28.6	2.59	3.24	33.3	2.91	3.35	37.9	3.21	3.46	41.1	3.41	3.53	42.5	3.50	3.57	47.2	3.77	3.67
1775	60	25.4	2.60	2.87	29.0	2.90	2.93	30.5	3.03	2.96	35.7	3.43	3.05	40.8	3.81	3.14	44.4	4.06	3.21	45.9	4.16	3.23	51.1	4.50	3.33
	70	24.9	2.42	3.01	28.3	2.69	3.08	29.7	2.81	3.11	34.6	3.17	3.21	39.5	3.51	3.30	43.0	3.74	3.37	44.4	3.83	3.40	49.3	4.13	3.50
	80	24.2	2.24	3.17	27.5	2.48	3.25	28.9	2.59	3.28	33.6	2.91	3.38	38.3	3.22	3.48	41.5	3.43	3.55	42.9	3.51	3.58	47.6	3.79	3.68

MSH4BE060K with C6B(A,H)-X60(C,U)-C + VSB
MSH4BE060K with PAH4VMX60KC, or B4VM-X60K-C

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T.	10			17			20			30			40			47			50			60		
CFM	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
1450	60	32.8	2.65	3.62	36.8	2.87	3.76	38.6	2.96	3.82	44.4	3.24	4.02	50.2	3.49	4.21	54.3	3.66	4.35	56.1	3.73	4.41	61.9	3.94	4.61
	70	31.8	2.39	3.89	35.8	2.60	4.04	37.5	2.68	4.10	43.2	2.95	4.30	48.9	3.19	4.50	52.9	3.34	4.64	54.6	3.41	4.70	60.3	3.61	4.90
	80	31.3	2.19	4.19	35.2	2.38	4.34	36.8	2.45	4.40	42.3	2.69	4.61	47.7	2.90	4.82	51.5	3.05	4.96	53.2	3.10	5.03	58.6	3.29	5.23
1650	60	33.1	2.65	3.65	37.2	2.88	3.78	39.0	2.98	3.84	44.9	3.27	4.02	50.8	3.54	4.21	55.0	3.72	4.34	56.8	3.79	4.40	62.7	4.01	4.58
	70	32.2	2.41	3.92	36.2	2.62	4.05	37.9	2.71	4.11	43.7	2.98	4.30	49.5	3.24	4.48	53.5	3.40	4.61	55.2	3.47	4.67	61.0	3.68	4.86
	80	31.5	2.19	4.22	35.5	2.39	4.36	37.1	2.47	4.41	42.7	2.72	4.61	48.3	2.95	4.80	52.2	3.11	4.93	53.9	3.17	4.99	59.4	3.37	5.18
1850	60	33.1	2.63	3.69	37.3	2.87	3.81	39.1	2.97	3.87	45.2	3.28	4.05	51.3	3.56	4.23	55.6	3.74	4.36	57.4	3.82	4.41	63.5	4.06	4.59
	70	32.5	2.41	3.96	36.6	2.63	4.09	38.4	2.72	4.14	44.2	3.00	4.32	50.0	3.27	4.49	54.1	3.44	4.61	55.8	3.51	4.67	61.7	3.73	4.84
	80	31.9	2.19	4.26	35.8	2.40	4.38	37.5	2.48	4.44	43.1	2.74	4.61	48.8	2.99	4.79	52.7	3.15	4.91	54.4	3.21	4.97	60.1	3.43	5.14

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