

MAYTAG

TECHNICAL SPECIFICATIONS

iQDrive®

Model PSH4BI Series



M1200 Product Line

**R-410A Ultra High Efficiency Heat Pump
22.0 SEER — 2-3-4 Ton Capacity**

- **M1200 – 12 YEAR ALL PARTS LIMITED WARRANTY**
- **M1200 WITH UPGRADED WARRANTY PACKAGE - 12 YEAR ALL PARTS & LABOR LIMITED WARRANTY**
- **Both the standard and upgraded limited warranty packages offer a 12 Year Dependability Promise to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 12 years 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 (by consumer or dealer) required for 12-year 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.maytagvac.com or ask your sales representative.**
- **Dealer is responsible for registration of labor portion of warranty.**



The iQ Drive® Heat Pump System features fully variable speed compressor technology and variable speed indoor and outdoor motors. The system provides variable cooling capacity as needed modulating over a 5 degree F° temperature range. It operates near the nominal rated capacity at the thermostat set point and modulates as temperature difference between set point and room temperature changes. The system may run at additional 18% capacity to provide rapid cooling or heating. The system has a built-in humidity control that will activate humidifier equipment (if supplied), and reduces blower speed if indoor relative humidity is greater than set point (default set at 60%).

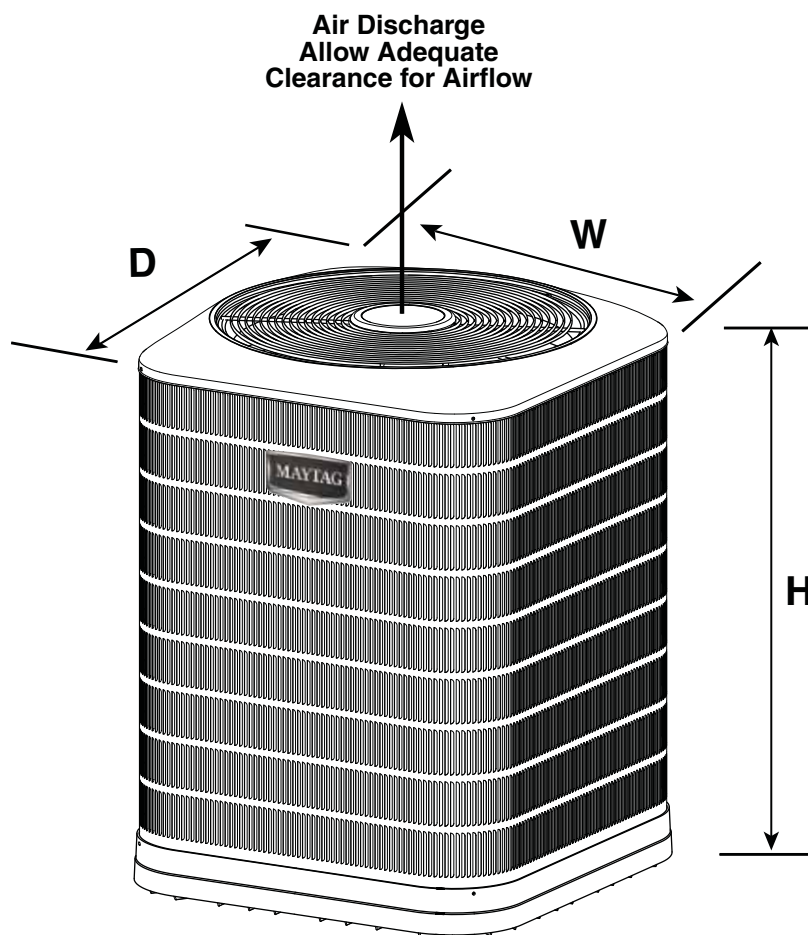
Features and Benefits

- **iQ Drive** – Inverter driven Panasonic rotary compressor which provides fully variable operation.
- **R-410A Refrigerant** – Environmentally friendly non-ozone depleting refrigerant.
- **Designed using galvanized steel** – with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils** – Both indoor and outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor** – A heavy duty brushless motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Compressor Sound Blanket** – Engineered to significantly reduce unwanted compressor noise.
- **Swept-Wing Fan Blade** – Engineered to provide quiet operation. The specific energy absorbing hub is designed to reduce noise while operating through various frequencies.
- **Full Port Service Valves** – Full port brass ball valves provide low pressure drop and ease of service. The valves are actuated by 1/4 turn full open to full close.
- **Louvered Condenser Guard** – Durable metal guard protects the coil from yard hazards and extreme weather.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **High Pressure Switch** – Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Low Pressure Switch** – Protects against loss of system refrigerant charge.
- **Liquid Line Filter Drier** – Included with unit, field installed.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **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.
- **Highest Efficiency with the lowest Sound Levels** – Up to 22 SEER with sound ratings of 59-72dB depending upon operating conditions.

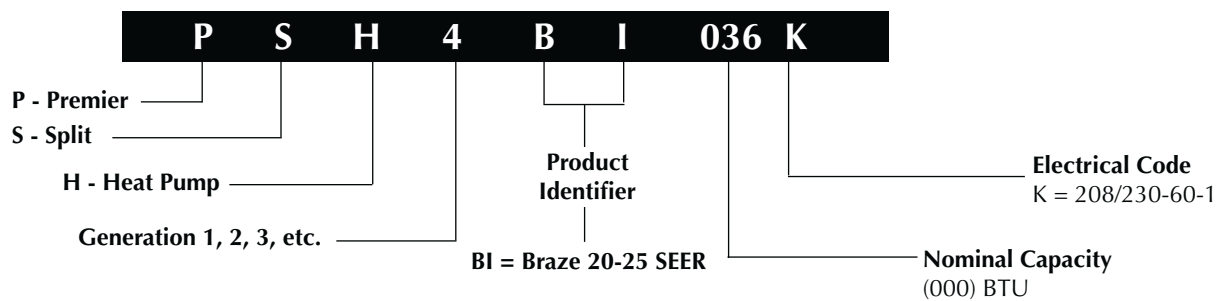
DIMENSIONS/OUTDOOR SECTION

22 SEER — Ultra High Efficiency

PSH4BI	024K	036K	048K
H	37	41	45
W	31 1/4	31 1/4	31 1/4
D	31 1/4	31 1/4	31 1/4



IDENTIFICATION CODE



PHYSICAL AND ELECTRICAL SPECIFICATIONS/OUTDOOR UNITS

22 SEER — Ultra High Efficiency

Model Number PSH4BI-			024K	036K	048K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1	208/230-60-1	208/230-60-1
	Total Amps		13.0	18.0	22.0
	Delay Fuse Max. (2)		25	35	45
	Min. Circuit Ampacity		16.6	22.9	27.1
Condenser Data	Coil	Area(ft ²)	20.3	22.8	25.4
		Rows-FPI	1 - 20	1 - 20	1 - 20
		Tube Dia	3/8" O.D.	3/8" O.D.	3/8" O.D.
	Fan Motor	Type	Brushless DC	Brushless DC	Brushless DC
		Amps	1.6	1.6	1.6
		HP	0.5	0.5	0.5
	Fan Blade	Dia-# Blades	24" - 2	24" - 2	24" - 2
		SCFM	3200	3400	3600
Compressor Data		RLA	11.4	16.4	20.4
Refrigerant suction line O.D. (all length of liquid line are 3/8" O.D.)		0-24 ft.	3/4"	7/8"	7/8"
		25-39 ft.	3/4"	7/8"	1 1/8" (3)
		40-75 ft.	7/8"(3)	1 1/8" (3)	1 1/8" (3)
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset.			171	203	203
Weight	Net		190	220	225
Approximate (lbs.)	Ship		200	230	235

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

(2) HACR Type Circuit Breakers may be used.

(3) Requires Reducer.

Note:

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

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 COOLING CAPACITIES

22 SEER — Ultra High Efficiency — Single Phase

Outdoor Unit Model Number PSH4BI-	Indoor Unit	Range Cooling Capacity @95° OD BTUH	EER @ Nominal Capacity	SEER	Nominal Capacity	Range SCFM
024K	PAH4/B4VME24KB	11,300-26,900	14.6	22	23,000	500-950
036K	PAH4/B4VME36KB	14,200-40,700	13.0	21	35,000	680-1110
048K	PAH4/B4VME48KC	14,300-48,000	12.5	21	44,500	725-1800

NOTE: Each system was operated at its nominal capacity.

Indoor conditions were 80F° dry-bulb temperature and 67F° wet-bulb temperature (approx. 51% relative humidity, 95° outdoor temperature.)

SYSTEM HEATING CAPACITIES

22 SEER — Ultra High Efficiency — Single Phase

Outdoor Unit Model Number PSH4BI-	Indoor Unit	Range Heating Capacity @47° OD BTUH	Nominal Capacity	HSPF	COP @ Nominal Capacity	CFM
024K	PAH4/B4VME24KB	6,500-24,100	22,600	10	3.9	500-950
036K	PAH4/B4VME36KB	11,300-39,900	34,000	9.6	3.4	680-1110
048K	PAH4/B4VME48KC	11,400-47,800	46,000	10	3.6	725-1800

Minimum operating ambient temperature is 12F°

NOTE: Each system was operated at its nominal capacity.

Indoor conditions were 70F° dry-bulb temperature and 47F° dry bulb temperature, 43F° wet bulb outdoor temperature

See current AHRI Directory for certified combinations and ratings.

www.ahridirectory.org

EXPANDED RATINGS - 2 TON WITH G7 FURNACE

COOLING

Speed	Outdoor Temperature:		60°F			70°F			80°F			90°F			95°F			100°F			110°F			120°F		
	Indoor Tdb - °F	Indoor Twb - °F	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW			
Minimum	80	62	13.5	13.5	0.36	12.9	12.9	0.43	12.2	12.2	0.52	11.5	11.5	0.64	11.1	11.1	0.71	10.7	10.7	0.77	9.8	9.8	0.92	8.8	1.08	
	80	67	14.2	11.4	0.34	13.4	10.9	0.43	12.6	10.5	0.53	11.8	10.1	0.64	11.4	9.9	0.70	10.9	9.7	0.76	10.1	9.3	0.89	9.1	1.03	
	80	72	15.2	9.0	0.30	14.8	8.8	0.38	13.8	8.4	0.49	12.8	8.0	0.61	12.2	7.8	0.68	11.7	7.5	0.74	10.5	7.0	0.90	9.3	1.06	
	75	63	12.9	10.9	0.36	12.2	10.5	0.43	11.4	10.2	0.53	10.6	9.8	0.65	10.2	9.5	0.71	9.7	9.3	0.78	8.9	8.8	0.93	8.0	1.09	
Intermediate	80	62	17.3	17.3	0.56	16.6	16.6	0.66	15.8	15.8	0.77	15.0	15.0	0.91	14.5	14.5	1.00	14.1	14.1	1.07	13.1	13.1	1.27	12.0	1.48	
	80	67	18.6	14.2	0.50	17.7	13.7	0.62	16.7	13.3	0.76	15.7	12.9	0.90	15.1	12.6	0.98	14.6	12.4	1.06	13.5	11.9	1.23	12.4	1.40	
	80	72	20.0	11.2	0.52	19.1	10.9	0.61	18.2	10.6	0.73	17.0	10.1	0.88	16.4	9.8	0.96	15.8	9.6	1.05	14.4	9.0	1.26	12.9	8.3	1.49
	75	63	16.8	13.4	0.55	15.9	13.0	0.65	15.1	12.6	0.77	14.1	12.2	0.90	13.7	11.9	0.99	13.2	11.7	1.06	12.1	11.2	1.25	11.0	10.7	1.45
Nominal	80	62	25.0	24.0	1.01	23.9	23.5	1.19	22.9	22.9	1.37	21.9	21.9	1.56	21.3	21.3	1.65	20.7	20.7	1.76	19.5	19.5	1.95	18.1	2.14	
	80	67	27.1	18.9	0.98	25.9	18.7	1.15	24.6	18.4	1.33	23.3	18.0	1.53	22.6	17.7	1.64	21.9	17.4	1.75	20.4	16.6	1.97	18.9	15.7	2.22
	80	72	29.4	16.1	0.99	28.1	15.6	1.16	26.6	15.1	1.34	25.2	14.5	1.53	24.3	14.2	1.62	23.5	14.0	1.71	21.6	13.2	1.89	19.7	12.4	2.07
	75	63	24.6	18.8	1.00	23.4	18.2	1.16	22.3	17.7	1.35	21.1	17.4	1.54	20.4	17.1	1.63	19.8	16.7	1.74	18.4	16.0	1.92	16.9	15.3	2.13
Maximum	80	62	30.0	27.8	1.36	28.6	27.1	1.57	27.2	26.5	1.80	25.8	25.7	2.04	25.2	25.2	2.16	24.6	24.6	2.28	23.1	23.1	2.53	21.4	21.4	2.76
	80	67	32.0	23.2	1.39	30.6	22.6	1.58	29.2	22.1	1.80	27.7	21.5	2.03	26.9	21.2	2.16	26.1	20.8	2.28	24.4	20.1	2.55	22.6	19.2	2.84
	80	72	35.3	18.8	1.33	33.7	18.2	1.55	32.0	17.6	1.78	30.1	16.9	2.02	29.1	16.5	2.13	28.1	16.1	2.25	25.9	15.3	2.46	23.6	14.3	2.67
	75	63	29.4	21.8	1.34	28.1	21.1	1.55	26.7	20.5	1.77	25.2	19.8	2.01	24.5	19.5	2.13	23.7	19.2	2.25	22.0	18.6	2.50	20.1	17.7	2.74

HEATING

	Outdoor Temperature:		12°F			17°			20°			30°			40°			47°			50°			60°		
Speed	Indoor Tdb - °F		Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW
		60	2.2	1.79	0.36	2.8	2.31	0.36	3.2	2.62	0.36	4.5	3.70	0.35	5.8	4.80	0.36	6.7	5.80	0.34	7.2	6.12	0.34	8.4	7.51	0.33
Minimum		70	2.0	1.40	0.42	2.7	1.84	0.42	3.0	2.10	0.42	4.3	3.01	0.42	5.5	3.97	0.41	6.4	4.69	0.40	6.8	5.01	0.40	8.0	6.16	0.38
		80	1.9	1.14	0.50	2.6	1.51	0.50	2.8	1.68	0.50	4.0	2.39	0.49	5.3	3.18	0.49	6.0	3.73	0.47	6.5	4.05	0.47	7.6	4.90	0.46
		60	6.8	3.20	0.62	7.6	3.45	0.64	8.0	3.67	0.64	9.6	4.27	0.66	11.2	4.90	0.67	12.4	5.43	0.67	12.9	5.65	0.67	14.7	6.51	0.66
Intermediate		70	6.5	2.63	0.73	7.3	2.86	0.74	7.7	3.01	0.75	9.2	3.51	0.77	10.8	4.05	0.78	11.9	4.46	0.78	12.4	4.65	0.78	14.1	5.34	0.77
		80	6.3	2.21	0.84	7.0	2.39	0.85	7.4	2.52	0.86	8.8	2.93	0.88	10.3	3.38	0.89	11.4	3.75	0.89	11.9	3.91	0.89	13.5	4.47	0.88
		60	11.2	2.48	1.32	13.2	2.87	1.35	13.8	2.96	1.37	17.2	3.56	1.42	20.6	4.03	1.50	22.9	4.40	1.53	24.0	4.57	1.54	27.4	5.00	1.60
Nominal		70	10.8	2.13	1.48	12.4	2.41	1.51	13.4	2.56	1.53	16.7	3.05	1.60	19.9	3.50	1.67	22.2	3.81	1.71	23.2	3.93	1.73	26.5	4.31	1.80
		80	10.4	1.84	1.66	12.4	2.14	1.70	12.9	2.20	1.72	16.1	2.63	1.79	19.3	3.03	1.87	21.4	3.26	1.92	22.5	3.41	1.93	25.7	3.73	2.02
		60	14.6	2.83	1.51	16.0	3.05	1.54	16.9	3.20	1.54	19.6	3.60	1.60	22.5	4.03	1.64	24.6	4.32	1.67	25.6	4.45	1.69	28.7	4.85	1.73
Maximum		70	14.1	2.47	1.67	15.4	2.65	1.70	16.2	2.76	1.72	18.9	3.13	1.77	21.7	3.50	1.82	23.7	3.75	1.86	24.6	3.86	1.87	27.6	4.22	1.92
		80	13.5	2.13	1.86	14.8	2.30	1.88	15.6	2.41	1.90	18.2	2.72	1.96	20.8	3.03	2.01	22.8	3.25	2.06	23.6	3.36	2.06	26.5	3.67	2.12

EXPANDED RATINGS - 3 TON WITH G7 FURNACE

COOLING

Speed	Outdoor Temperature:		60°F		70°F		80°F		90°F		95°F		100°F		110°F		120°F	
	Indoor Tdb - °F	Indoor Twb - °F	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Sensible Capacity
Minimum	80	62	16.2	16.2	0.44	15.4	15.4	0.55	14.5	14.5	0.66	13.8	13.8	0.80	13.6	13.6	0.88	13.3
	80	67	17.3	14.4	0.38	16.2	13.9	0.52	15.2	13.4	0.66	14.1	12.9	0.80	13.6	12.6	0.87	13.1
	80	72	17.8	11.0	0.41	17.0	10.7	0.51	15.9	10.3	0.63	14.9	9.8	0.78	14.6	9.7	0.86	14.2
	75	63	14.9	13.3	0.46	13.9	12.8	0.57	13.2	12.4	0.68	12.5	12.0	0.82	12.2	11.9	0.89	11.9
Intermediate	80	62	24.9	23.7	0.91	23.7	23.0	1.08	22.5	22.4	1.26	21.5	21.5	1.46	20.9	20.9	1.57	20.4
	80	67	27.1	19.9	0.91	25.7	19.0	1.07	24.3	18.4	1.25	22.9	17.9	1.45	22.2	17.6	1.56	21.4
	80	72	29.3	15.8	0.80	27.6	15.3	0.99	26.2	14.7	1.20	24.7	14.2	1.43	24.0	13.9	1.54	23.1
	75	63	24.1	18.2	0.91	22.8	17.8	1.08	21.7	17.2	1.26	20.5	16.7	1.47	19.8	16.4	1.57	19.3
Nominal	80	62	37.6	31.7	1.76	35.9	30.8	2.02	34.3	30.0	2.30	32.5	29.2	2.59	31.5	28.5	2.73	30.3
	80	67	38.4	24.9	1.73	37.5	24.9	2.00	36.2	24.5	2.29	34.6	23.8	2.59	33.6	23.4	2.75	32.5
	80	72	44.2	22.1	1.71	42.1	21.3	2.00	40.2	20.5	2.29	38.0	19.7	2.61	36.9	19.3	2.77	35.6
	75	63	36.7	25.3	1.76	34.9	24.6	2.03	33.3	23.7	2.30	31.7	22.9	2.60	30.7	22.6	2.75	29.8
Maximum	80	62	43.2	37.0	2.28	41.3	36.0	2.59	39.3	35.0	2.93	37.3	34.1	3.27	36.1	33.4	3.45	34.8
	80	67	45.5	32.3	2.33	44.0	30.5	2.63	42.2	29.2	2.95	40.2	28.2	3.29	39.1	27.7	3.48	37.9
	80	72	51.4	26.0	2.24	49.1	25.1	2.58	46.6	24.1	2.96	44.0	23.1	3.33	42.4	22.6	3.51	41.0
	75	63	42.0	29.4	2.28	40.1	28.4	2.59	38.1	27.6	2.94	36.2	26.6	3.28	35.1	26.1	3.46	34.0

HEATING

Speed	Outdoor Temperature:		12°F		17°		20°		30°		40°		47°		50°		60°	
	Indoor Tdb - °F	Indoor Tdb - °F	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	COP
Minimum	60	60	6.3	2.97	0.62	7.1	3.26	0.64	9.1	4.04	0.66	10.7	4.78	0.66	12.1	5.45	0.65	14.7
	70	70	6.0	2.48	0.71	6.7	2.70	0.72	8.6	3.39	0.74	10.2	4.04	0.74	11.5	4.59	0.73	14.0
	80	80	5.8	2.11	0.80	6.4	2.28	0.83	8.3	2.86	0.85	9.8	3.36	0.85	11.0	3.85	0.83	13.5
	60	60	11.1	2.87	1.13	12.1	3.06	1.15	15.0	3.67	1.19	17.5	4.19	1.22	19.5	4.61	1.24	20.3
Intermediate	70	70	10.8	2.51	1.26	11.8	2.68	1.29	14.6	3.19	1.34	17.0	3.65	1.37	18.9	4.01	1.38	19.8
	80	80	10.6	2.21	1.40	11.5	2.35	1.43	14.3	2.81	1.49	16.7	3.23	1.52	18.5	3.54	1.53	19.4
	60	60	20.8	2.90	2.11	22.8	3.06	2.18	28.0	3.44	2.39	32.0	3.68	2.55	34.9	3.85	2.66	36.1
	70	70	20.2	2.55	2.32	22.2	2.70	2.41	27.3	3.04	2.64	31.2	3.26	2.81	34.0	3.40	2.93	35.2
Nominal	80	80	19.8	2.29	2.54	21.7	2.42	2.62	26.7	2.73	2.87	30.6	2.94	3.06	33.3	3.07	3.18	34.4
	60	60	25.2	2.63	2.80	27.4	2.78	2.88	33.1	3.13	3.10	37.4	3.38	3.25	40.4	3.52	3.36	41.6
	70	70	24.9	2.42	3.01	27.1	2.55	3.11	32.7	2.87	3.34	36.9	3.08	3.51	39.9	3.23	3.62	41.1
	80	80	24.3	2.16	3.28	26.5	2.29	3.38	32.0	2.58	3.64	36.1	2.78	3.81	39.0	2.90	3.93	40.2
Maximum	60	60	43.2	3.17	3.61	41.3	3.06	3.64	48.0	3.44	3.64	54.7	3.78	3.81	61.4	4.04	3.93	68.1
	70	70	45.5	2.81	3.73	44.0	2.78	3.73	50.7	3.13	3.73	57.4	3.38	3.81	64.1	3.52	3.93	70.8
	80	80	51.4	2.42	3.81	49.1	2.42	3.81	56.8	2.87	3.81	63.5	3.08	3.81	70.2	3.23	3.93	76.9
	60	60	42.0	2.94	3.28	40.1	2.84	3.28	47.8	3.13	3.28	54.5	3.38	3.46	61.2	3.54	3.63	67.9

EXPANDED RATINGS - 4 TON WITH G7 FURNACE

COOLING

Speed	Outdoor Temperature:		60°F		70°F		80°F		90°F		95°F		100°F		110°F		120°F	
	Indoor Tdb - °F	Indoor Twb - °F	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
Minimum	80	62	16.9	16.9	0.40	16.0	16.0	0.51	15.1	15.1	0.62	14.3	14.3	0.76	14.0	14.0	0.84	13.7
	80	67	18.2	13.7	0.34	16.9	13.5	0.48	15.7	13.2	0.62	14.6	12.8	0.76	14.1	12.6	0.84	13.5
	80	72	18.0	11.5	0.37	17.5	11.3	0.47	16.3	10.8	0.60	15.3	10.5	0.74	14.9	10.3	0.82	14.5
	75	63	15.4	14.1	0.42	14.4	13.7	0.53	13.5	13.2	0.66	12.9	12.9	0.78	12.6	12.6	0.86	12.4
Intermediate	80	62	31.0	30.8	1.09	29.7	29.7	1.28	28.4	28.4	1.48	27.1	27.1	1.69	26.4	26.4	1.80	25.6
	80	67	32.3	23.6	1.00	31.2	23.1	1.22	29.8	22.6	1.45	28.3	22.0	1.68	27.4	21.7	1.80	26.5
	80	72	35.9	20.1	1.01	34.2	19.4	1.22	32.3	18.8	1.44	30.6	18.1	1.67	29.6	17.7	1.79	28.4
	75	63	29.9	23.7	1.09	28.3	22.9	1.28	26.9	22.3	1.49	25.4	21.6	1.70	24.6	21.1	1.81	23.7
Nominal	80	62	47.3	43.4	2.64	45.4	42.3	2.96	43.4	41.4	3.29	41.3	40.3	3.64	40.2	39.8	3.83	39.2
	80	67	50.9	38.8	2.64	48.9	37.8	2.96	46.6	36.8	3.30	44.3	35.8	3.67	43.0	35.3	3.87	41.7
	80	72	55.9	29.4	2.62	53.0	28.4	2.97	50.2	27.3	3.36	47.6	26.4	3.73	46.4	25.9	3.92	45.2
	75	63	46.0	33.5	2.65	44.1	32.7	2.96	42.0	31.7	3.30	39.9	30.7	3.66	38.7	30.1	3.84	37.7
Maximum	80	62	55.6	50.8	3.44	53.5	49.9	3.79										
	80	67	60.3	45.6	3.46	57.8	44.5	3.85										
	80	72	65.4	34.2	3.49	62.6	33.1	3.91										
	75	63	54.2	39.4	3.45	52.2	38.5	3.81										

HEATING

Speed	Outdoor Temperature:		12°F		17°		20°		30°		40°		47°		50°		60°	
	Indoor Tdb - °F	Indoor Twb - °F	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP
Minimum	60		5.6	2.70	0.61	6.3	2.99	0.62	6.8	3.22	0.62	8.4	4.13	0.60	10.1	4.63	0.64	11.2
	70		5.4	2.23	0.71	6.1	2.48	0.72	6.5	2.63	0.73	8.0	3.18	0.74	9.6	3.81	0.74	10.8
	80		5.1	1.84	0.82	5.8	2.03	0.84	6.3	2.19	0.84	7.8	2.81	0.81	9.3	3.20	0.85	10.4
	60		14.1	3.33	1.24	15.2	3.53	1.27	16.0	3.65	1.28	18.5	4.14	1.31	21.3	4.62	1.35	23.4
Intermediate	70		13.6	2.85	1.40	14.8	3.03	1.43	15.5	3.15	1.44	17.9	3.55	1.48	20.6	4.00	1.51	22.6
	80		13.3	2.50	1.56	14.4	2.64	1.59	15.1	2.75	1.61	17.5	3.12	1.65	20.1	3.49	1.69	22.1
	60		27.2	2.67	2.99	30.3	2.87	3.09	32.1	2.98	3.16	37.9	3.33	3.33	43.1	3.60	3.51	46.5
	70		26.9	2.41	3.27	30.0	2.60	3.38	31.8	2.70	3.45	37.5	3.01	3.65	42.7	3.25	3.84	46.0
Nominal	80		26.3	2.15	3.58	29.3	2.32	3.70	31.1	2.41	3.78	36.6	2.69	3.99	41.7	2.90	4.21	44.9
	60		30.1	2.59	3.41	32.7	2.75	3.49	34.1	2.84	3.53	39.2	3.14	3.66	44.1	3.41	3.79	47.3
	70		30.0	2.42	3.64	32.6	2.57	3.72	34.1	2.65	3.77	39.1	2.93	3.92	44.0	3.18	4.05	47.3
	80		29.6	2.21	3.93	32.2	2.35	4.02	33.6	2.43	4.05	38.6	2.68	4.22	43.4	2.91	4.37	46.6
Maximum																		

EXPANDED RATINGS - 2 TON IQ HEAT PUMP WITH PAH4VM/B4VM AIR HANDLER

COOLING

Speed	Outdoor Temperature:		60°F		70°F		80°F		90°F		95°F		100°F		110°F		120°F	
			Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity	Total Capacity	Sensible Capacity
Minimum		Indoor Tdb - °F																
	80	62	13.5	13.5	12.9	12.9	12.2	12.2	11.5	11.5	11.1	11.1	10.7	10.7	9.8	9.8	8.8	8.8
	80	67	14.2	10.9	13.4	10.5	12.6	10.0	11.8	9.7	11.3	9.5	10.9	9.3	10.0	8.9	9.1	8.5
Intermediate	80	72	15.2	9.0	14.8	8.8	13.8	8.4	12.8	8.0	12.2	7.8	11.7	7.5	10.5	7.0	9.3	6.4
	75	63	12.9	10.9	12.2	10.5	11.4	10.2	10.6	9.8	10.2	9.5	9.7	9.3	8.9	8.8	8.0	8.0
	80	62	17.5	17.5	16.8	16.8	16.0	16.0	15.2	15.2	14.7	14.7	14.3	14.3	13.3	13.3	12.2	12.2
Nominal	80	67	18.9	13.8	17.9	13.3	16.9	12.9	15.9	12.5	15.4	12.2	14.8	12.0	13.7	11.6	12.6	11.1
	80	72	20.3	11.4	19.4	11.1	18.4	10.7	17.2	10.2	16.6	10.0	16.0	9.7	14.6	9.1	13.1	8.4
	75	63	17.0	13.6	16.1	13.2	15.3	12.8	14.3	12.4	13.9	12.1	13.4	11.9	12.3	11.4	11.2	10.8
Maximum	80	62	25.4	24.4	24.3	23.9	23.3	23.3	22.3	22.3	21.7	21.7	21.1	21.1	19.8	19.8	18.4	2.06
	80	67	27.6	18.6	26.4	18.5	25.1	18.2	23.7	17.7	23.0	17.5	22.3	17.2	20.8	16.4	19.0	15.5
	80	72	29.9	16.4	28.6	15.9	27.1	15.4	25.6	14.8	24.7	14.5	23.9	14.2	22.0	13.4	18.2	12.6
	75	63	25.0	19.1	23.8	18.5	22.7	18.0	21.5	17.7	20.8	17.4	20.2	17.0	18.7	16.3	17.2	15.6
	80	62	30.5	28.3	29.1	27.6	27.7	27.0	26.3	26.2	25.6	25.6	25.0	25.0	23.5	23.5	21.8	2.65
	80	67	32.5	22.9	31.2	22.4	29.7	21.8	28.2	21.2	27.4	20.9	26.6	20.6	24.8	19.8	24.6	19.0
	80	72	35.9	19.1	34.3	18.5	32.6	17.9	30.6	17.2	29.6	16.8	28.6	16.4	26.4	15.6	23.7	14.6
	75	63	29.9	22.2	28.6	21.5	27.2	20.9	25.6	20.2	24.9	19.8	24.1	19.5	22.4	18.9	24.0	18.0

HEATING

Speed	Outdoor Temperature:		12°F		17°		20°		30°		40°		47°		50°		60°	
			Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP	Total Capacity	COP
Minimum		Indoor Tdb - °F																
	60	60	2.5	2.14	3.1	2.64	3.5	2.95	4.7	4.00	5.9	5.14	6.8	6.03	7.2	6.44	8.4	8.00
	70	70	2.3	1.74	2.9	2.16	3.3	2.41	4.5	3.26	5.6	4.20	6.5	4.92	6.8	5.26	8.0	6.53
Intermediate	80	80	2.2	1.40	2.8	1.73	3.1	1.93	4.2	2.62	5.4	3.37	6.1	3.95	6.5	4.22	7.6	5.24
	60	60	6.9	3.29	7.7	3.59	8.1	3.77	9.8	4.39	11.4	5.07	12.6	5.59	13.1	5.82	14.9	6.69
	70	70	6.6	2.72	7.4	2.96	7.8	3.11	9.4	3.62	11.0	4.18	12.1	4.61	12.6	4.81	14.3	5.52
Nominal	80	80	6.4	2.28	7.1	2.48	7.5	2.60	9.0	3.03	10.5	3.50	11.6	3.86	12.1	4.03	13.7	4.62
	60	60	13.6	3.04	14.9	3.26	15.7	3.40	18.5	3.84	21.3	4.26	23.3	4.56	24.2	4.69	27.1	5.11
	70	70	13.1	2.62	14.0	2.73	15.2	2.93	17.9	3.31	20.6	3.68	22.6	3.93	23.4	4.04	26.2	4.40
Maximum	80	80	12.7	2.26	14.0	2.43	14.7	2.53	17.3	2.85	20.0	3.17	21.8	3.39	22.7	3.49	25.4	3.80
	60	60	14.8	2.94	16.2	3.16	17.1	3.29	19.9	3.73	22.9	4.16	25.0	4.46	26.0	4.59	29.1	5.02
	70	70	14.3	2.55	15.6	2.74	16.4	2.85	19.2	3.23	22.1	3.61	24.1	3.87	25.0	3.99	28.0	4.36
	80	80	13.7	2.21	15.0	2.38	15.8	2.48	18.5	2.81	21.2	3.14	23.2	3.36	24.0	3.46	26.9	3.79

EXPANDED RATINGS - 3 TON IQ HEAT PUMP WITH PAH4VM/B4VM AIR HANDLER

COOLING

Speed	Outdoor Temperature:		60°F			70°F			80°F			90°F			95°F			100°F			110°F			120°F		
	Indoor Tdb - °F	Indoor Twb - °F	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW
Minimum	80	62	16.9	16.9	0.43	16.0	16.0	0.54	15.1	15.1	0.65	14.4	14.4	0.78	14.1	14.1	0.86	13.8	13.8	0.93	13.5	13.5	1.09			
	80	67	18.0	14.1	0.38	16.9	13.6	0.51	15.8	13.1	0.65	14.7	12.6	0.78	14.2	12.3	0.85	13.6	12.0	0.92	12.5	11.4	1.05			
	80	72	18.5	11.4	0.40	17.7	11.1	0.50	16.5	10.7	0.62	15.5	10.2	0.76	15.2	10.1	0.84	14.8	9.9	0.91	14.4	9.7	1.08			
	75	63	15.5	13.8	0.45	14.5	13.3	0.56	13.7	12.9	0.67	13.0	12.5	0.80	12.7	12.4	0.87	12.4	12.2	0.94	12.1	12.0	1.10			
Intermediate	80	62	25.9	24.6	0.86	24.6	23.9	1.02	23.4	23.3	1.19	22.3	22.3	1.38	21.7	21.7	1.49	21.2	21.2	1.59	19.9	19.9	1.82	18.3	18.3	2.06
	80	67	28.1	19.8	0.86	26.7	18.9	1.01	25.3	18.3	1.18	23.8	17.8	1.37	23.0	17.5	1.48	22.3	17.2	1.59	20.7	16.6	1.82	19.2	15.6	2.08
	80	72	30.4	16.4	0.76	28.7	15.9	0.94	27.2	15.3	1.14	25.7	14.7	1.35	24.9	14.4	1.46	24.0	14.0	1.56	22.2	13.3	1.81	20.2	12.4	2.05
	75	63	25.0	18.9	0.86	23.7	18.5	1.02	22.5	17.9	1.19	21.3	17.3	1.39	20.6	17.0	1.49	20.0	16.7	1.60	18.6	16.1	1.82	17.0	15.2	2.06
Nominal	80	62	39.2	33.0	1.72	37.4	32.1	1.97	35.7	31.2	2.25	33.9	30.4	2.53	32.8	29.7	2.67	31.6	29.0	2.82	29.4	27.9	3.12			
	80	67	39.9	23.9	1.69	39.1	24.7	1.95	37.7	24.5	2.23	36.0	23.8	2.53	35.0	23.4	2.69	33.9	22.9	2.85	31.3	21.9	3.19			
	80	72	46.0	23.0	1.67	43.9	22.2	1.95	41.9	21.4	2.24	39.6	20.5	2.55	38.4	20.1	2.71	37.1	19.6	2.86	34.3	18.5	3.18			
	75	63	38.2	26.4	1.72	36.4	25.6	1.98	34.7	24.7	2.25	33.0	23.9	2.54	32.0	23.5	2.69	31.0	23.0	2.83	29.1	22.1	3.17			
Maximum	80	62	45.0	38.5	2.23	43.0	37.5	2.53	40.9	36.5	2.86	38.9	35.5	3.20	37.6	34.8	3.37	36.2	34.1	3.53						
	80	67	47.4	32.3	2.28	45.8	30.5	2.57	43.9	29.2	2.88	41.8	28.2	3.22	40.7	27.8	3.40	39.5	27.3	3.58						
	80	72	53.5	27.1	2.19	51.1	26.1	2.52	48.5	25.1	2.89	45.8	24.1	3.25	44.2	23.5	3.43	42.7	22.9	3.61						
	75	63	43.7	30.6	2.23	41.8	29.6	2.53	39.7	28.7	2.87	37.7	27.7	3.21	36.6	27.2	3.38	35.4	26.6	3.55						

HEATING

Speed	Outdoor Temperature:		12°F			17°			20°			30°			40°			47°			50°			60°		
	Indoor Tdb - °F	Indoor Tdb - °F	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW
Minimum	60		6.0	2.98	0.59	6.8	3.29	0.60	7.2	3.48	0.61	8.9	4.15	0.63	10.6	4.91	0.63	11.9	5.52	0.63	12.4	5.80	0.63	14.3	6.86	0.61
	70		5.7	2.51	0.67	6.4	2.76	0.68	6.9	2.92	0.69	8.4	3.49	0.71	10.1	4.13	0.71	11.3	4.64	0.71	11.8	4.87	0.71	13.6	5.76	0.69
	80		5.5	2.11	0.76	6.2	2.33	0.78	6.6	2.46	0.79	8.1	2.94	0.81	9.7	3.48	0.82	10.8	3.90	0.81	11.3	4.10	0.81	13.1	4.85	0.79
	60		11.1	2.91	1.12	12.1	3.11	1.14	12.7	3.24	1.15	15.0	3.71	1.18	17.5	4.24	1.21	19.5	4.65	1.23	20.3	4.84	1.23	23.4	5.51	1.25
Intermediate	70		10.8	2.54	1.25	11.8	2.71	1.27	12.4	2.82	1.28	14.6	3.23	1.32	17.0	3.70	1.35	18.9	4.06	1.37	19.8	4.22	1.37	22.8	4.81	1.39
	80		10.6	2.23	1.39	11.5	2.39	1.41	12.1	2.49	1.43	14.3	2.85	1.47	16.7	3.25	1.50	18.5	3.57	1.52	19.4	3.71	1.53	22.3	4.23	1.54
	60		20.4	2.76	2.16	22.6	2.95	2.24	23.9	3.06	2.28	28.1	3.39	2.42	32.1	3.69	2.55	34.9	3.89	2.63	36.0	3.96	2.66	39.7	4.22	2.76
	70		19.8	2.44	2.38	22.0	2.61	2.47	23.3	2.71	2.52	27.4	3.01	2.67	31.3	3.27	2.81	34.0	3.44	2.90	35.1	3.51	2.93	38.7	3.74	3.04
Nominal	80		19.4	2.19	2.60	21.5	2.35	2.69	22.8	2.43	2.74	26.8	2.70	2.91	30.7	2.94	3.06	33.3	3.09	3.15	34.3	3.15	3.19	37.9	3.35	3.31
	60		25.2	2.67	2.76	27.4	2.82	2.85	28.7	2.90	2.90	33.1	3.17	3.06	37.4	3.41	3.21	40.4	3.57	3.32	41.6	3.63	3.36	45.8	3.84	3.49
	70		24.9	2.45	2.97	27.1	2.58	3.07	28.4	2.66	3.13	32.7	2.90	3.30	36.9	3.12	3.47	39.9	3.27	3.58	41.1	3.33	3.62	45.3	3.52	3.77
	80		24.3	2.20	3.24	26.5	2.32	3.34	27.7	2.39	3.40	32.0	2.61	3.59	36.1	2.80	3.77	39.0	2.94	3.89	40.2	2.99	3.94	44.3	3.17	4.10

EXPANDED RATINGS - 4 TON IQ HEAT PUMP WITH PAH4VM/B4VM AIR HANDLER

COOLING

Speed	Outdoor Temperature:		60°F			70°F			80°F			90°F			95°F			100°F			110°F			120°F		
			Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW	Total Capacity	Sensible Capacity	kW
Minimum		80	17.2	17.2	0.38	16.3	16.3	0.48	15.4	15.4	0.59	14.6	14.6	0.72	14.3	14.3	0.79	14.0	14.0	0.86	13.6	13.6	1.00			
		80	18.5	14.6	0.32	17.3	14.4	0.45	16.1	14.1	0.58	14.9	13.7	0.72	14.3	13.4	0.79	13.8	13.2	0.86	12.7	12.7	1.00			
		80	18.3	11.7	0.35	17.8	11.5	0.44	16.6	11.0	0.57	15.6	10.7	0.70	15.2	10.5	0.77	14.8	10.4	0.85	14.3	10.2	0.99			
		75	15.7	14.4	0.40	14.7	14.0	0.50	13.8	13.5	0.62	13.1	13.1	0.74	12.8	12.8	0.81	12.6	12.6	0.88	12.3	12.3	1.01			
Intermediate		80	30.2	30.0	1.08	28.9	28.9	1.27	27.7	27.7	1.47	26.4	26.4	1.68	25.7	25.7	1.79	24.9	24.9	1.90	23.2	23.2	2.13	21.3	21.3	2.37
		80	31.5	23.3	0.99	30.3	22.8	1.21	29.0	22.3	1.43	27.5	21.8	1.67	26.7	21.4	1.79	25.8	21.1	1.91	23.9	20.3	2.15	21.8	19.3	2.40
		80	35.0	19.6	1.00	33.3	18.9	1.21	31.5	18.3	1.43	29.8	17.6	1.66	28.8	17.2	1.78	27.7	16.8	1.89	25.4	15.8	2.13	22.9	14.8	2.37
		75	29.1	23.1	1.08	27.6	22.3	1.27	26.2	21.7	1.48	24.7	21.0	1.69	24.0	20.6	1.80	23.1	20.3	1.91	21.4	19.4	2.13	19.5	18.4	2.36
Nominal		80	49.0	44.9	2.43	47.0	43.8	2.72	44.9	42.8	3.02	42.7	41.7	3.35	41.6	41.2	3.52	40.6	40.5	3.69						
		80	52.7	37.3	2.43	50.6	36.3	2.72	48.2	35.3	3.03	45.8	34.4	3.38	44.5	33.9	3.56	43.2	33.5	3.75						
		80	57.8	30.4	2.41	54.9	29.4	2.73	52.0	28.3	3.09	49.3	27.3	3.43	48.0	26.8	3.60	46.8	26.3	3.77						
		75	47.6	34.7	2.44	45.6	33.8	2.72	43.5	32.8	3.03	41.3	31.8	3.36	40.1	31.2	3.53	39.0	30.7	3.70						
Maximum		80	57.5	52.6	3.46	55.4	51.6	3.82																		
		80	62.4	43.8	3.48	59.9	42.7	3.88																		
		80	67.7	35.4	3.51	64.8	34.3	3.94																		
		75	56.1	40.8	3.47	54.0	39.8	3.84																		

HEATING

Speed	Outdoor Temperature:		12°F			17°			20°			30°			40°			47°			50°			60°		
			Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW	Total Capacity	COP	kW
Minimum		60	7.0	3.66	0.56	7.6	3.95	0.56	7.9	4.13	0.56	9.3	4.83	0.56	10.8	5.66	0.56	11.9	6.34	0.55	12.5	6.65	0.55	14.3	7.84	0.53
		70	6.7	3.01	0.65	7.3	3.25	0.65	7.6	3.40	0.66	8.9	3.97	0.70	10.3	4.66	0.65	11.4	5.21	0.64	11.9	5.47	0.64	13.7	6.45	0.62
		80	6.4	2.51	0.75	7.0	2.71	0.76	7.3	2.84	0.76	8.6	3.31	0.76	10.0	3.88	0.75	11.0	4.35	0.74	11.5	4.56	0.74	13.2	5.38	0.72
		60	14.2	3.52	1.18	15.4	3.75	1.20	16.1	3.89	1.22	18.7	4.39	1.25	21.5	4.94	1.28	23.6	5.36	1.29	24.5	5.55	1.29	27.6	6.23	1.30
Intermediate		70	13.7	3.03	1.33	14.9	3.22	1.35	15.6	3.35	1.37	18.1	3.78	1.41	20.8	4.25	1.43	22.8	4.61	1.45	23.7	4.78	1.45	26.7	5.36	1.46
		80	13.4	2.65	1.48	14.5	2.82	1.51	15.2	2.93	1.53	17.7	3.31	1.57	20.3	3.72	1.60	22.3	4.04	1.62	23.1	4.18	1.62	26.1	4.69	1.63
		60	27.2	2.64	3.02	30.3	2.88	3.09	32.1	3.01	3.13	37.9	3.42	3.25	43.1	3.76	3.35	46.5	3.98	3.42	47.8	4.07	3.45	52.1	4.33	3.52
		70	26.9	2.38	3.31	30.0	2.60	3.38	31.8	2.72	3.42	37.5	3.09	3.56	42.7	3.40	3.67	46.0	3.60	3.74	47.4	3.68	3.77	51.5	3.92	3.86
Nominal		80	26.3	2.13	3.62	29.3	2.32	3.70	31.1	2.43	3.75	36.6	2.76	3.89	41.7	3.04	4.02	44.9	3.21	4.10	46.2	3.28	4.13	50.3	3.49	4.22
		60	30.4	2.75	3.24	33.0	2.92	3.31	34.5	3.02	3.35	39.6	3.33	3.48	44.5	3.62	3.60	47.8	3.81	3.68	49.3	3.88	3.72	53.9	4.14	3.82
		70	30.3	2.57	3.46	32.9	2.73	3.53	34.5	2.82	3.58	39.5	3.11	3.72	44.4	3.38	3.85	47.8	3.56	3.94	49.2	3.63	3.97	53.8	3.86	4.08
		80	29.9	2.35	3.73	32.5	2.50	3.81	34.0	2.58	3.85	39.0	2.85	4.01	43.8	3.10	4.15	47.1	3.26	4.24	48.5	3.32	4.28	53.1	3.54	4.40

ACCESSORIES - CONDENSING UNIT

Controller/Thermostat - 920620*

* Revision "D" or later.



MAYTAG

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.

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