

TECHNICAL SPECIFICATIONS

Q5RD Series

Single Packaged Heat Pump, Single Phase

13 SEER, R-410A

2 thru 5 Ton Units

Cooling: 24,000 to 56,000 Btuh

Heating: 24,000 to 54,500 Btuh

The Q5 Series single packaged heat pumps are high efficiency self contained cooling and heating units that can be installed on a slab. Units are ETL and ETLc listed.



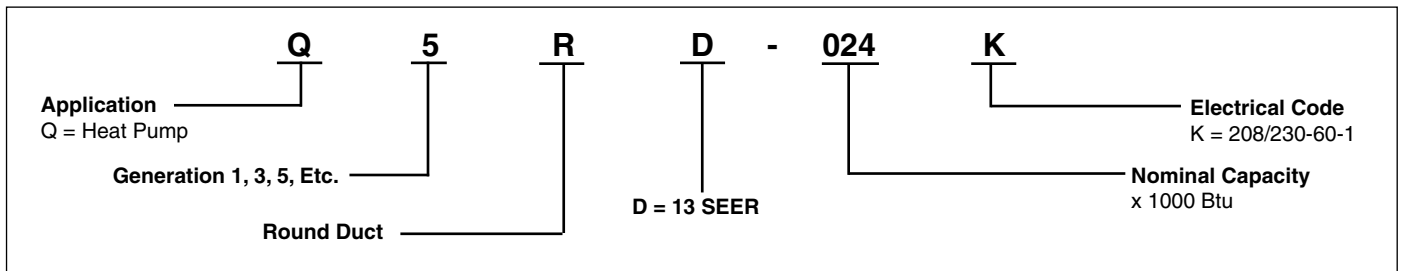
WARRANTY

- This product offers a 10-year All-Parts Warranty.
- This product offers a 10 year Quality Pledge to replace the entire unit, if the unit's major component (compressor) fails within the first 10 years of operation, to the original owner.
- Consumer product registration required for both 10 year All Parts Warranty and Quality Pledge within a limited period of time after the installation. See current warranty document or visit our consumer web site listed on the back of this document for warranty details.

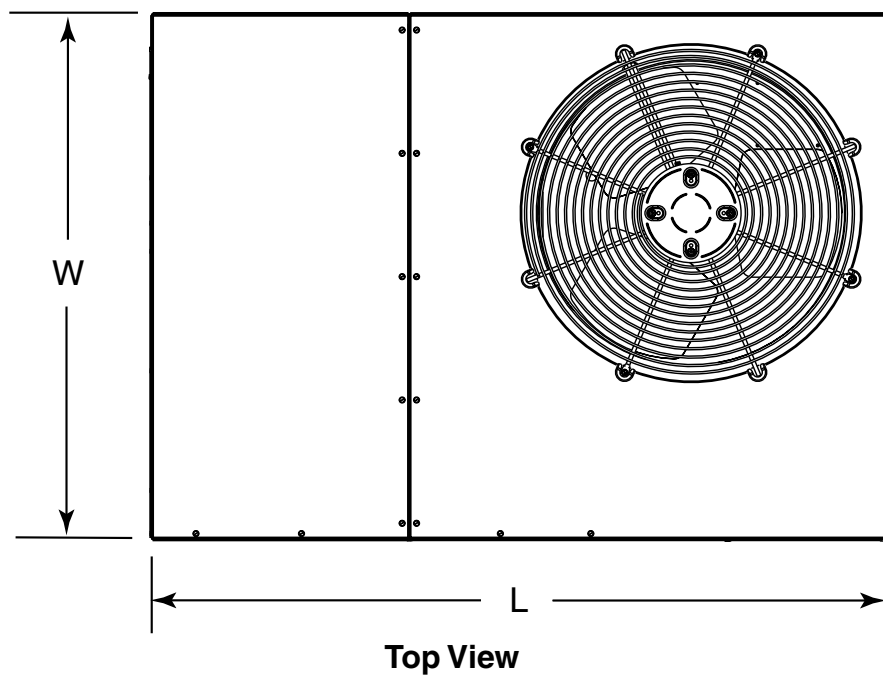
FEATURES and BENEFITS

- **State-of-the-art Copeland Scroll compressor:** Is standard equipment.
- **R-410A Refrigerant:** Environmentally friendly.
- **Designed using galvanized steel:** With a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Both indoor and outdoor coils:** Are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **The service valves are easily accessible:** And simplify servicing of the refrigeration system.
- **A wire coil guard and mesh hail guard that will never rust:** Protects the coil from being damaged by balls, lawnmowers, hail, etc.
- **Designed to make servicing easier:** For the contractor, access panels are provided to all major components and the compressor.
- **0" clearance:** To combustibles on duct side of the unit allows for installations in tight areas.
- **Easy access:** To evaporator for cleaning and general maintenance.
- **Drain trap:** Design optimizes drainage capabilities.
- **Easy to install:** Electric heat strip provides up to 20 kw of heat output.
- **Compact footprint and profile:** Make the Q5 Series easy to install and transport.
- **Outdoor thermostat:** Is standard equipment on all heat pumps.
- **High and low pressure switches:** Added compressor protection.
- **Suction Accumulator:** Protection from liquid flood back and future compressor failures
- **Time/Temperature Defrost:** A reliable, industry standard control offers various time settings to meet any type climate.
- **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.

MODEL IDENTIFICATION CODE

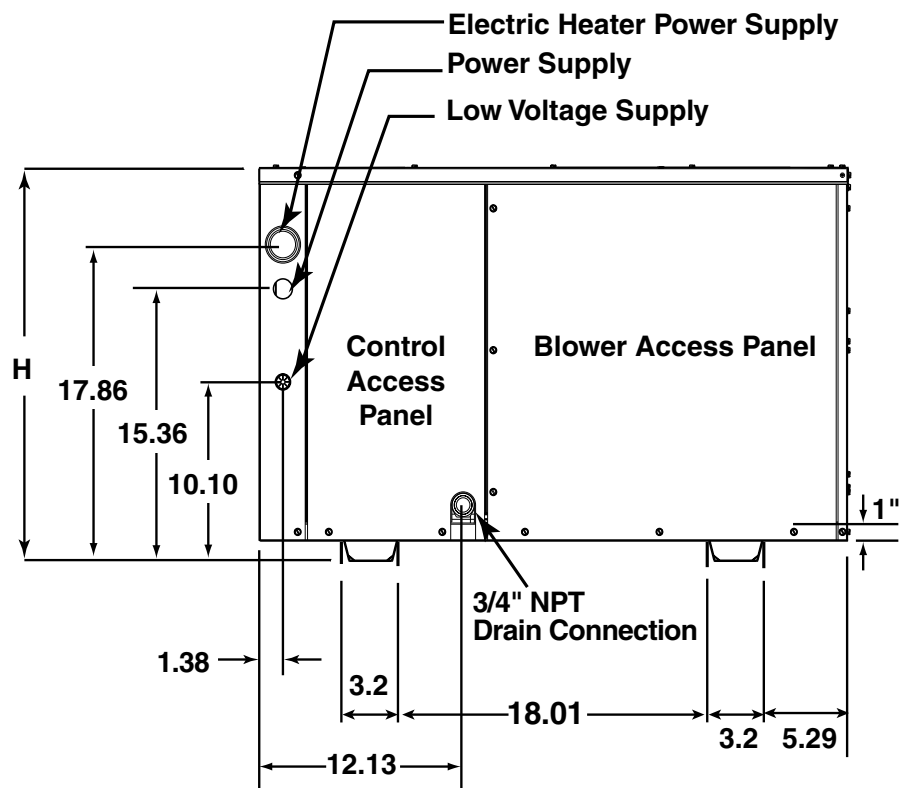


DIMENSIONS



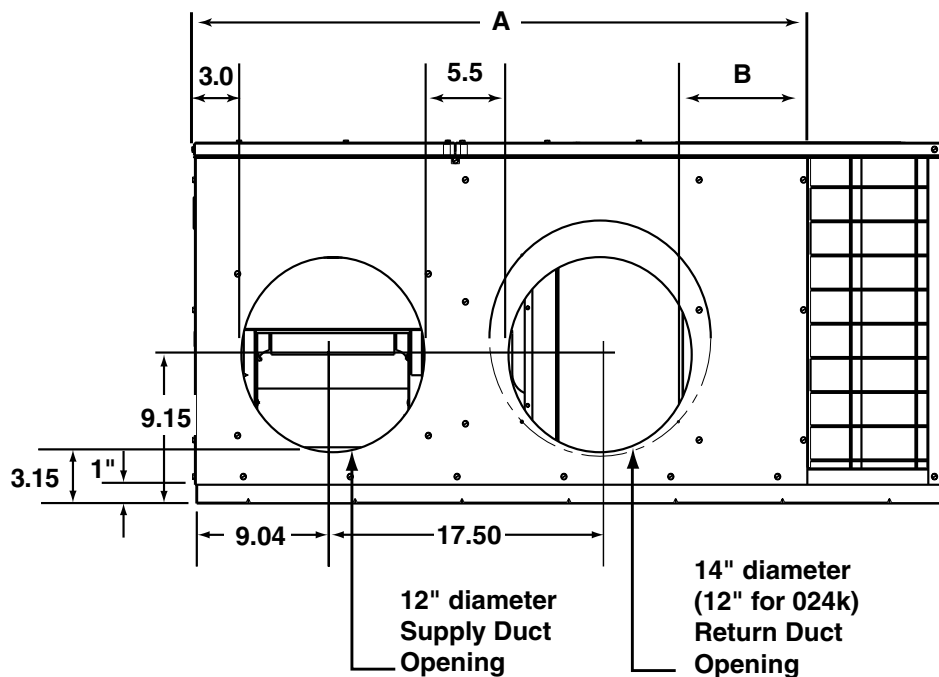
Model Number	(L)	(W)	(H)	A	B
Q5RD-	Length	Width	Height		
024K	49	35	22.2	40.15	7.61
030K	49	35	30.2	40.15	7.61
036K	49	35	30.2	35.02	2.48
042K	49	35	30.2	35.02	2.48
048K	49	35	34.2	35.02	2.48
060K	49	35	38.2	35.02	2.48

DIMENSIONS Continued



Side View

Model Number Q5RD-	Return Diameter (in)
024K	12
030K	14
036K	14
042K	14
048K	14
060K	14



Back (Duct) View

PHYSICAL SPECIFICATIONS

Q5RD Models

Model No. Q5RD-	024K	030K	036K	042K	048K	060K
Electric Rating — 60 Hz (a)						
Operating Voltage Range	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253
Min. Circuit Ampacity (a)	18.1	22.2	28.5	32.2	37.6	40.5
Field Wire Size — AWG (a)	12	10	10	8	8	6
Delay Fuse — Max. (b)	30	35	45	50	60	60
Total Unit — AMPS	14.9	18.3	23.8	27.2	31.5	33.9
Compressor						
Volts	208 - 230	208 - 230	208 - 230	208 - 230	208 - 230	208 - 230
Rated Load Amps	12.8	15.7	18.6	20	24.3	26.4
Lock Rotor Amps	58.3	73	79	112	117	134
Condenser Motor						
Fan Motor — HP - RPM	1/8 - 1100	1/5 - 1100	1/8 - 1100	1/4 - 1100	1/4 - 1100	1/3 - 1100
Fan Motor — Amps	1.1	1.2	1.1	1.2	1.2	1.5
Fan Dia. — CFM	20" - 2800	20 - 2800	20" - 2800	20" - 3000	20" - 3000	20" - 3400
Evaporator Motor						
Blower Motor — HP - RPM	1/5 - 815	1/4 - 1050	1/2 - 1270	3/4 - 1360	3/4 - 1505	3/4 - 1505
Blower Motor — Amps	1.0	1.4	4.1	6	6	6
CFM @ E.S.P. — in. W.C.	815 @ .30	1064 @ .30	1140 @ .30	1500 @ .30	1500 @ .30	1650 @ .30
Refrigerant (R410-A) — Oz.						
	102.4	128	137.6	132.8	179.2	200
Shipping Weight -- Lbs.						
	295	335	340	355	385	385

(a) Amperage and wire size based on refrigeration system only with 60° C wire, 50 ft. length. See Electrical Data tables for supplemental electric heaters.
Refer to National Electric Code for additional derating factors for field installed conductors.

(b) Use time delay fuse or "HACR" type circuit breaker.

BLOWER PERFORMANCE

Model Number Q5RD		External Static Pressure (in. WC)						
		0.1	0.2	0.3	0.4	0.5	0.6	
024K	†	Low	607	555	490	437	368	291
		Med	899	854	802	743	670	601
		High	1220	1178	1133	1091	1024	946
030K	†	Low	847	808	770	726	664	562
		High	1104	1114	1064	1010	935	846
036K	** *	Tap T1	1100	900	750	650	580	520
		Tap T2	1170	1080	1000	620	900	860
		Tap T3	1220	1180	1140	1100	1070	1020
		Tap T4	1370	1333	1300	1260	1230	1180
		Tap T5	1410	1340	1450	1320	1280	1240
042K	** *	Tap T1	1380	1360	1340	1300	1260	1240
		Tap T2	1530	1480	1450	1420	1390	1350
		Tap T3	1570	1540	1500	1475	1440	1405
		Tap T4	1740	1700	1650	1630	1600	1560
		Tap T5	2130	2080	1970	1890	1850	1800
048K	** *	Tap T1	1380	1360	1340	1300	1260	1240
		Tap T2	1530	1480	1450	1420	1390	1350
		Tap T3	1570	1540	1500	1475	1440	1405
		Tap T4	1740	1700	1650	1630	1600	1560
		Tap T5	2130	2080	1970	1890	1850	1800
060K	** *	Tap T1	1370	1340	1310	1280	1260	1230
		Tap T2	1470	1440	1410	1380	1360	1320
		Tap T3	1550	1520	1480	1450	1430	1400
		Tap T4	1810	1770	1740	1720	1690	1660
		Tap T5	1890	1870	1840	1820	1800	1770

* Denotes factory set cooling speed

** Denotes factory set electric heating speed

† Denotes factory set heating and cooling speed

NOTE: Airflow performance is with a dry coil

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.

ELECTRICAL DATA

Model Number	Heater Installed Nom. KW	Single Supply Circuit Option										Multiple Supply Circuit Option									
		Option					Circuit A					Circuit B					Circuit C				
		Minimum Circuit Amp.	Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Maximum Over-current Rating*	Minimum Circuit Amp.	Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Maximum Over-current Rating*	Minimum Circuit Amp.	Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Maximum Over-current Rating	Minimum Circuit Amp.	Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Maximum Over-current Rating
Q5RD-024K	0	18.1	12	12	12	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	43.1	6	8	8	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	57.7	4	6	6	60	17.1	12	12	12	25	40.6	6	8	8	45	-	-	-	-	-
Q5RD-030K	10	68.1	4	4	6	70	16	12	12	12	25	51	6	6	8	60	-	-	-	-	-
	0	22.2	10	10	10	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	47.2	6	8	8	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q5RD-036K	8	61.8	4	6	6	70	20.8	10	10	10	35	41	6	6	8	60	-	-	-	-	-
	10	72.2	3	4	6	80	20.8	10	10	10	35	51.4	6	6	8	60	-	-	-	-	-
	15	97.2	1	3	3	100	45.8	6	8	8	50	51.4	6	6	8	60	-	-	-	-	-
Q5RD-042K	15 (3 circuit)	-	-	-	-	-	20.8	10	10	10	35	26.4	10	10	10	30	50	6	8	8	60
	0	28.5	10	10	10	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	53.5	6	6	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q5RD-048K	8	68	4	4	6	70	24.4	10	10	10	40	43.7	6	8	8	45	-	-	-	-	-
	10	78.5	3	4	6	80	24.4	10	10	10	40	54.1	6	6	8	60	-	-	-	-	-
	15	104	1	2	3	110	49.4	6	8	8	60	54.1	6	6	8	60	-	-	-	-	-
Q5RD-060K	15 (3 circuit)	-	-	-	-	-	24.4	10	10	10	40	29.1	10	10	10	30	50	6	8	8	60
	0	32.2	8	8	8	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	57.2	4	6	6	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q5RD-060K	8	71.8	3	4	6	80	26.2	10	10	10	45	45.6	6	8	8	50	-	-	-	-	-
	10	82.2	3	4	4	90	26.2	10	10	10	45	56	4	6	8	60	-	-	-	-	-
	15	107	1	2	3	110	51.2	6	6	8	60	56	4	6	6	60	-	-	-	-	-
Q5RD-060K	15 (3 circuit)	-	-	-	-	-	26.2	10	10	10	45	34.1	8	8	8	35	50	6	8	8	60
	20	132	0	0	1	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20 (3 circuit)	-	-	-	-	-	26.2	10	10	10	45	56	4	6	6	60	50	6	8	8	60
Q5RD-060K	0	37.6	6	8	8	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	68	4	4	6	90	37	8	8	8	60	31	8	8	8	35	-	-	-	-	-
	8	82.5	3	4	4	100	37	8	8	8	60	45.6	6	8	8	50	-	-	-	-	-
Q5RD-060K	10	93	2	3	4	110	37	8	8	8	60	56	4	6	6	60	-	-	-	-	-
	15	118	0	1	2	125	62	4	6	6	80	56	4	6	6	60	-	-	-	-	-
	15 (3 circuit)	-	-	-	-	-	37	8	8	8	60	31	8	8	8	35	50	6	8	8	60
Q5RD-060K	20	143	0	0	1	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20 (3 circuit)	-	-	-	-	-	37	8	8	8	60	56	4	6	6	60	50	6	8	8	60
	0	40.5	6	8	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q5RD-060K	5	65.5	4	4	6	80	34.5	8	8	8	60	31.0	8	8	8	35	-	-	-	-	-
	8	80.1	3	4	4	90	34.5	8	8	8	60	45.6	6	8	8	50	-	-	-	-	-
	10	90.5	2	3	4	100	34.5	8	8	8	60	56.0	4	6	6	60	-	-	-	-	-
Q5RD-060K	15	115.5	0	1	2	125	59.5	4	6	6	80	56.0	4	6	6	60	-	-	-	-	-
	15 (3 circuit)	-	-	-	-	-	34.5	8	8	8	60	31.0	8	8	8	35	50.0	6	8	8	60
	20	140.5	00	0	1	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q5RD-060K	20 (3 circuit)	-	-	-	-	-	34.5	8	8	8	60	56.0	4	6	6	60	50.0	6	8	8	60
	0	40.5	6	8	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	65.5	4	4	6	80	34.5	8	8	8	60	31.0	8	8	8	35	-	-	-	-	-
Q5RD-060K	8	80.1	3	4	4	90	34.5	8	8	8	60	45.6	6	8	8	50	-	-	-	-	-
	10	90.5	2	3	4	100	34.5	8	8	8	60	56.0	4	6	6	60	-	-	-	-	-
	15	115.5	0	1	2	125	59.5	4	6	6	80	56.0	4	6	6	60	-	-	-	-	-
Q5RD-060K	15 (3 circuit)	-	-	-	-	-	34.5	8	8	8	60	31.0	8	8	8	35	50.0	6	8	8	60
	20	140.5	00	0	1	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20 (3 circuit)	-	-	-	-	-	34.5	8	8	8	60	56.0	4	6	6	60	50.0	6	8	8	60

* If electric heat is installed, and the overcurrent rating exceeds 60A, internal circuit breakers must be installed in addition to branch circuit protection at the distribution panel.

SYSTEM HEATING AND COOLING CAPACITIES

Model Number Q5RD	Cooling Btuh	SEER	EER	Heating Btuh	HSPF
024K	24,000	13	11.5	24,000	7.7
030K	28,600	13	11.0	26,600	7.7
036K	35,600	13	12.0	34,000	7.7
042K	40,500	13	11.2	40,000	7.7
048K	46,000	13	11.0	44,500	7.7
060K	56,000	13	11.0	54,500	7.7

ACCESSORIES

Heater Application Matrix

Model Number Q5RD-	H3HK- 005H-01B 917166B	H3HK- 008H-01B 917167B	H3HK- 010H-01B 917168B	H3HK- 015H-01B 917169B	H3HK- 020H-01B 917170B	H3HK- 015H-21B 917172B	H3HK- 020H-21B 917173B
024K	X(0)	X(0)	X(2)	NA	NA	NA	NA
030K	X (0)	X(0)	X(2)	X(2 or 3)	NA	X(0 or 1)	NA
036K	X (0)	X(2)	X(2)	X(2 or 3)	NA	X(0 or 1)	NA
042K	X (0)	X(2)	X(2)	X(2 or 3)	X(3)	X(0 or 1)	X(1)
048K	X (2)	X(2)	X(2)	X(2 or 3)	X(3)	X(0 or 1)	X(1)

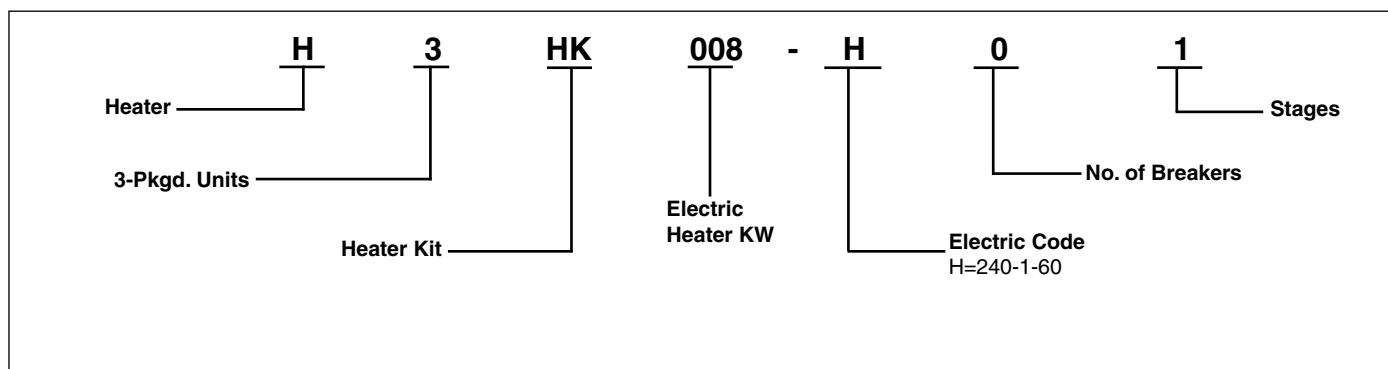
NA = Not Approved

() = Number of internal circuit breaker kits required.

X = Branch circuit protection only

NOTE: Blower performance heating values based on 10kw heater kit for 024k, 030k, and 036k. 15kw values used for 042k and 048k.

MODEL IDENTIFICATION CODE



Description	Part Number
4-Pole single circuit adaptor	913350
6-Pole single circuit adaptor	913556
Circuit Breaker Single Phase (2-pole)	913554
Extreme high wind kit - ground mount	903694

HEAT PUMP COOLING EXPANDED RATINGS

Q5RD-024K

O.D.T			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.
650	80	62	23.4	20.8	1.84	22.2	20.3	2.05	21.0	19.7	2.27	19.6	18.8	2.52
	80	67	25.4	17.5	1.86	24.1	16.9	2.07	22.8	16.3	2.29	21.3	15.6	2.54
	80	72	27.9	14.3	1.90	26.6	13.8	2.10	25.0	13.3	2.32	23.2	12.6	2.56
	75	63	23.5	15.1	1.85	22.4	15.1	2.05	21.1	14.9	2.27	19.7	14.5	2.52
800	80	62	24.4	23.4	1.85	23.3	22.9	2.06	22.0	22.0	2.28	20.7	20.7	2.53
	80	67	26.4	19.4	1.88	25.1	18.8	2.08	23.6	18.2	2.30	22.0	17.4	2.55
	80	72	28.3	15.5	1.91	26.9	15.0	2.11	25.4	14.3	2.33	23.6	13.6	2.57
	75	63	24.5	17.5	1.86	23.3	17.3	2.06	21.9	17.0	2.28	20.4	16.4	2.53
950	80	62	25.5	25.3	1.87	24.4	24.3	2.07	23.2	23.2	2.29	21.8	21.8	2.55
	80	67	27.1	21.2	1.89	25.8	20.6	2.09	24.3	19.9	2.31	22.6	19.1	2.56
	80	72	29.0	16.6	1.93	27.6	16.0	2.12	26.0	15.3	2.34	24.2	14.5	2.58
	75	63	25.2	19.9	1.86	23.9	19.5	2.07	22.5	19.0	2.29	20.9	18.3	2.53

Q5RD-030K

O.D.T			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.
850	80	62	27.3	25.6	2.28	26.0	25.0	2.51	24.5	24.3	2.78	23.0	22.8	3.08
	80	67	29.6	21.4	2.29	28.1	20.8	2.53	26.5	20.1	2.79	24.6	19.3	3.10
	80	72	32.3	17.1	2.32	30.7	16.5	2.55	28.8	15.8	2.81	26.8	15.1	3.11
	75	63	27.6	18.5	2.28	26.2	18.6	2.51	24.6	18.4	2.78	22.9	18.0	3.09
1000	80	62	28.3	27.9	2.28	27.1	26.9	2.52	25.7	25.6	2.78	24.1	24.1	3.09
	80	67	30.4	23.3	2.30	28.9	22.7	2.54	27.1	22.0	2.80	25.2	21.2	3.10
	80	72	33.1	18.4	2.33	31.3	17.7	2.56	29.4	17.1	2.82	27.3	16.3	3.12
	75	63	28.4	21.0	2.29	26.9	20.9	2.52	25.3	20.5	2.78	23.5	20.0	3.09
1150	80	62	29.5	29.2	2.29	28.2	28.0	2.53	26.7	26.7	2.79	25.0	25.0	3.10
	80	67	31.1	25.2	2.31	29.4	24.5	2.54	27.6	23.8	2.80	25.7	23.0	3.10
	80	72	33.5	19.6	2.33	31.8	18.9	2.56	29.8	18.2	2.83	27.7	17.4	3.12
	75	63	29.0	23.7	2.29	27.5	23.2	2.52	25.8	22.7	2.79	23.9	21.9	3.09

Q5RD-036K

O.D.T			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.
1100	80	62	34.6	32.9	2.57	32.9	32.0	2.85	31.0	31.0	3.18	29.2	28.9	3.56
	80	67	37.4	27.3	2.59	35.5	26.5	2.89	33.4	25.7	3.20	31.0	24.7	3.58
	80	72	40.6	21.8	2.63	38.5	21.0	2.91	36.2	20.2	3.24	33.6	19.3	3.60
	75	63	34.9	23.8	2.57	33.1	23.9	2.86	31.1	23.6	3.18	28.9	23.1	3.56
1250	80	62	35.5	35.1	2.58	34.0	33.8	2.87	32.2	32.1	3.19	30.3	30.3	3.57
	80	67	38.2	29.2	2.60	36.2	28.4	2.89	34.0	27.5	3.21	31.6	26.5	3.58
	80	72	41.3	23.1	2.63	39.0	22.3	2.92	36.7	21.4	3.24	34.1	20.5	3.61
	75	63	35.6	26.5	2.58	33.7	26.3	2.87	31.7	25.8	3.19	29.4	25.1	3.56
1400	80	62	36.7	36.4	2.59	35.0	34.9	2.88	33.2	33.2	3.20	31.2	31.2	3.58
	80	67	38.8	31.1	2.61	36.8	30.2	2.90	34.5	29.3	3.22	32.1	28.3	3.59
	80	72	41.8	24.3	2.64	39.6	23.5	2.93	37.2	22.6	3.25	34.5	21.6	3.62
	75	63	36.2	29.3	2.58	34.3	28.8	2.87	32.2	28.1	3.19	29.9	27.2	3.57

HEAT PUMP COOLING EXPANDED RATINGS (CONTINUED)

Q5RD-042K

O.D.T			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.
1200	80	62	39.1	36.4	3.03	37.1	35.4	3.38	35.0	34.4	3.79	32.8	32.5	4.25
	80	67	42.1	30.4	3.09	40.0	29.5	3.44	37.6	28.5	3.85	35.0	27.4	4.32
	80	72	45.8	24.3	3.17	43.3	23.5	3.53	40.6	22.5	3.94	37.8	21.5	4.42
	75	63	39.4	26.3	3.04	37.4	26.4	3.39	35.1	26.1	3.79	32.7	25.5	4.25
1350	80	62	40.1	38.7	3.05	38.1	37.6	3.40	36.1	36.0	3.81	33.9	33.9	4.28
	80	67	43.0	32.3	3.11	40.7	31.4	3.46	38.3	30.3	3.87	35.6	29.2	4.34
	80	72	46.3	25.6	3.18	43.8	24.7	3.54	41.2	23.7	3.96	38.3	22.6	4.44
	75	63	40.2	29.1	3.05	38.1	28.9	3.40	35.8	28.3	3.81	33.3	27.6	4.28
1500	80	62	41.0	40.7	3.07	39.1	38.9	3.42	37.1	37.1	3.83	34.9	34.9	4.31
	80	67	43.6	34.1	3.12	41.3	33.2	3.47	38.8	32.1	3.88	36.1	31.0	4.36
	80	72	46.9	26.7	3.19	44.4	25.8	3.56	41.7	24.8	3.97	38.7	23.7	4.46
	75	63	40.8	32.1	3.07	38.7	31.5	3.42	36.3	30.6	3.82	33.7	29.6	4.28

Q5RD-048K

O.D.T			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.
1350	80	62	44.4	40.7	3.72	42.1	39.6	4.13	39.7	38.4	4.61	37.0	36.4	5.15
	80	67	47.8	34.0	3.75	45.3	32.9	4.17	42.6	31.6	4.65	39.5	30.3	5.19
	80	72	51.5	27.5	3.79	48.5	26.4	4.21	45.6	25.2	4.69	42.3	23.9	5.24
	75	63	44.7	29.5	3.72	42.3	29.5	4.14	39.7	29.0	4.61	36.9	28.2	5.16
1500	80	62	45.4	43.1	3.73	43.1	42.0	4.14	40.5	40.4	4.62	38.0	38.0	5.17
	80	67	48.7	35.8	3.76	46.1	34.6	4.18	43.2	33.3	4.66	40.1	31.9	5.20
	80	72	52.1	28.6	3.80	49.3	27.5	4.22	46.2	26.2	4.70	42.8	24.9	5.25
	75	63	45.5	32.3	3.73	43.0	31.9	4.15	40.4	31.2	4.63	37.4	30.2	5.16
1650	80	62	46.3	45.3	3.74	43.9	43.7	4.15	41.6	41.6	4.64	39.0	39.0	5.18
	80	67	49.4	37.5	3.77	46.7	36.3	4.19	43.8	35.0	4.67	40.6	33.6	5.21
	80	72	52.8	29.7	3.80	49.9	28.5	4.23	46.7	27.3	4.71	43.3	25.9	5.25
	75	63	46.1	35.3	3.74	43.7	34.5	4.16	40.9	33.5	4.63	37.9	32.2	5.17

Q5RD-060K

O.D.T			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.
1450	80	62	53.6	45.8	4.55	50.6	45.0	5.04	47.3	44.4	5.60	43.8	42.6	6.25
	80	67	58.3	38.2	4.61	55.0	36.9	5.10	51.4	35.5	5.66	47.4	34.0	6.31
	80	72	63.6	30.4	4.69	59.9	29.1	5.17	55.9	27.8	5.73	51.5	26.3	6.39
	75	63	54.5	37.2	4.57	51.3	35.9	5.06	47.9	34.5	5.62	44.2	32.9	6.26
1650	80	62	55.1	49.5	4.57	52.0	49.1	5.06	48.7	47.8	5.62	45.3	45.3	6.27
	80	67	59.7	41.0	4.63	56.2	39.6	5.12	52.5	38.2	5.68	48.3	36.6	6.33
	80	72	65.0	32.1	4.71	61.1	30.8	5.19	57.0	29.5	5.75	52.4	28.0	6.41
	75	63	55.8	39.8	4.58	52.6	38.4	5.07	49.0	37.0	5.63	45.1	35.4	6.28
1850	80	62	56.5	53.5	4.59	53.3	52.2	5.08	50.2	50.2	5.64	46.8	46.8	6.30
	80	67	60.9	43.6	4.65	57.3	42.3	5.13	53.4	40.8	5.69	49.1	39.2	6.34
	80	72	66.1	33.8	4.73	62.1	32.5	5.21	57.8	31.1	5.76	53.0	29.6	6.42
	75	63	56.9	42.3	4.60	53.5	40.9	5.09	49.9	39.4	5.64	45.9	37.8	6.29

HEAT PUMP HEATING EXPANDED RATINGS

Q5RD-024K

		OUTDOOR TEMPERATURE (Deg. F)																							
CFM	Indoor T.	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
650	60	11.2	1.94	1.70	14.0	2.37	1.74	15.2	2.54	1.75	19.2	3.12	1.81	23.2	3.66	1.86	26.0	4.02	1.89	27.1	4.17	1.91	31.1	4.65	1.96
	70	10.7	1.87	1.68	13.3	2.25	1.73	14.4	2.41	1.75	18.2	2.92	1.83	21.9	3.38	1.90	24.5	3.68	1.95	25.6	3.81	1.97	29.4	4.21	2.05
	80	10.1	1.77	1.68	12.5	2.12	1.73	13.6	2.27	1.76	17.1	2.72	1.84	20.6	3.14	1.93	23.0	3.40	1.98	24.1	3.52	2.01	27.6	3.87	2.09
800	60	11.2	1.93	1.70	14.0	2.36	1.74	15.2	2.54	1.75	19.2	3.11	1.81	23.1	3.65	1.86	25.9	4.02	1.89	27.1	4.17	1.91	31.1	4.66	1.96
	70	10.7	1.87	1.68	13.3	2.25	1.73	14.4	2.41	1.75	18.2	2.92	1.83	21.9	3.38	1.90	24.5	3.68	1.95	25.6	3.81	1.97	29.4	4.21	2.05
	80	10.1	1.78	1.66	12.6	2.14	1.72	13.6	2.28	1.75	17.1	2.73	1.84	20.6	3.14	1.93	23.1	3.40	1.99	24.1	3.51	2.02	27.7	3.85	2.10
950	60	11.2	1.92	1.71	14.0	2.35	1.75	15.2	2.53	1.76	19.1	3.10	1.81	23.1	3.65	1.86	25.9	4.01	1.89	27.1	4.16	1.91	31.0	4.66	1.95
	70	10.7	1.87	1.68	13.3	2.25	1.73	14.4	2.41	1.75	18.2	2.92	1.83	21.9	3.38	1.90	24.5	3.68	1.95	25.6	3.81	1.97	29.4	4.21	2.05
	80	10.1	1.79	1.66	12.6	2.14	1.72	13.6	2.28	1.75	17.1	2.72	1.84	20.5	3.12	1.93	23.0	3.38	1.99	24.0	3.49	2.02	27.5	3.82	2.11

Q5RD-030K

		OUTDOOR TEMPERATURE (Deg. F)																							
CFM	Indoor T.	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
850	60	13.7	1.97	2.04	16.5	2.35	2.05	17.6	2.51	2.06	21.6	3.04	2.08	25.5	3.55	2.11	28.3	3.90	2.12	29.4	4.05	2.13	33.4	4.55	2.15
	70	13.1	1.86	2.06	15.7	2.20	2.09	16.8	2.35	2.10	20.5	2.81	2.14	24.2	3.27	2.17	26.8	3.57	2.20	27.9	3.70	2.21	31.6	4.12	2.25
	80	12.5	1.74	2.11	15.0	2.05	2.14	16.0	2.18	2.15	19.5	2.60	2.19	22.9	3.01	2.23	25.3	3.29	2.26	26.4	3.40	2.27	29.8	3.78	2.31
1000	60	13.6	1.96	2.04	16.4	2.34	2.06	17.6	2.50	2.06	21.5	3.03	2.08	25.5	3.55	2.11	28.2	3.90	2.12	29.4	4.05	2.13	33.4	4.55	2.15
	70	13.1	1.86	2.06	15.7	2.20	2.09	16.8	2.35	2.10	20.5	2.81	2.14	24.2	3.27	2.17	26.8	3.57	2.20	27.9	3.70	2.21	31.6	4.12	2.25
	80	12.5	1.75	2.10	15.0	2.06	2.13	16.0	2.19	2.14	19.5	2.61	2.19	23.0	3.01	2.23	25.4	3.29	2.26	26.4	3.40	2.28	29.9	3.78	2.32
1150	60	13.6	1.95	2.05	16.4	2.33	2.06	17.6	2.49	2.07	21.5	3.02	2.09	25.4	3.54	2.11	28.2	3.89	2.12	29.4	4.05	2.13	33.3	4.54	2.15
	70	13.1	1.86	2.06	15.7	2.20	2.09	16.8	2.35	2.10	20.5	2.81	2.14	24.2	3.27	2.17	26.8	3.57	2.20	27.9	3.70	2.21	31.6	4.12	2.25
	80	12.5	1.75	2.10	14.9	2.06	2.13	16.0	2.19	2.14	19.4	2.60	2.19	22.9	3.00	2.24	25.3	3.27	2.27	26.3	3.38	2.28	29.8	3.75	2.33

Q5RD-036K

		OUTDOOR TEMPERATURE (Deg. F)																							
CFM	Indoor T.	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
1100	60	16.5	2.19	2.21	20.1	2.62	2.25	21.6	2.81	2.26	26.8	3.39	2.31	31.9	3.96	2.36	35.5	4.34	2.40	37.0	4.50	2.41	42.1	5.01	2.46
	70	15.9	2.05	2.27	19.3	2.45	2.31	20.8	2.62	2.33	25.7	3.15	2.39	30.6	3.65	2.46	34.0	3.99	2.50	35.5	4.13	2.52	40.4	4.58	2.58
	80	15.3	1.92	2.34	18.6	2.28	2.39	20.0	2.43	2.41	24.6	2.92	2.48	29.3	3.38	2.55	32.6	3.68	2.59	34.0	3.81	2.61	38.7	4.23	2.68
1250	60	16.5	2.18	2.21	20.1	2.62	2.25	21.6	2.80	2.26	26.7	3.39	2.31	31.9	3.95	2.36	35.5	4.34	2.40	37.0	4.50	2.41	42.1	5.02	2.46
	70	15.9	2.05	2.27	19.3	2.45	2.31	20.8	2.62	2.33	25.7	3.15	2.39	30.6	3.65	2.46	34.0	3.99	2.50	35.5	4.13	2.52	40.4	4.58	2.58
	80	15.3	1.92	2.33	18.6	2.29	2.38	20.0	2.44	2.40	24.6	2.92	2.47	29.3	3.38	2.55	32.6	3.69	2.60	34.0	3.81	2.62	38.7	4.22	2.69
1400	60	16.4	2.16	2.22	20.0	2.60	2.26	21.5	2.78	2.27	26.7	3.37	2.32	31.8	3.94	2.37	35.4	4.33	2.40	37.0	4.49	2.42	42.1	5.01	2.46
	70	15.9	2.05	2.27	19.3	2.45	2.31	20.8	2.62	2.33	25.7	3.15	2.39	30.6	3.65	2.46	34.0	3.99	2.50	35.5	4.13	2.52	40.4	4.58	2.58
	80	15.3	1.93	2.33	18.5	2.29	2.38	19.9	2.44	2.40	24.6	2.92	2.47	29.3	3.37	2.55	32.5	3.67	2.60	33.9	3.80	2.62	38.6	4.20	2.69

HEAT PUMP HEATING EXPANDED RATINGS (CONTINUED)

Q5RD-042K

		OUTDOOR TEMPERATURE (Deg. F)																							
CFM	Indoor T.	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
1200	60	19.5	2.26	2.54	23.7	2.66	2.61	25.5	2.83	2.65	31.5	3.35	2.76	37.5	3.83	2.87	41.7	4.15	2.94	43.5	4.28	2.98	49.5	4.70	3.09
	70	18.8	2.09	2.64	22.8	2.46	2.73	24.6	2.61	2.76	30.4	3.08	2.89	36.2	3.52	3.01	40.2	3.81	3.10	42.0	3.93	3.14	47.8	4.30	3.26
	80	18.2	1.93	2.77	22.1	2.27	2.86	23.8	2.41	2.90	29.4	2.84	3.03	34.9	3.24	3.16	38.8	3.50	3.26	40.5	3.60	3.30	46.1	3.94	3.43
1350	60	19.7	2.23	2.58	23.9	2.64	2.65	25.7	2.81	2.69	31.8	3.34	2.79	37.9	3.84	2.89	42.2	4.17	2.97	44.0	4.30	3.00	50.1	4.73	3.10
	70	19.0	2.07	2.69	23.1	2.45	2.77	24.9	2.60	2.81	30.7	3.08	2.92	36.6	3.53	3.04	40.7	3.83	3.12	42.5	3.95	3.16	48.3	4.33	3.27
	80	18.4	1.92	2.81	22.4	2.26	2.90	24.0	2.40	2.94	29.7	2.84	3.07	35.4	3.25	3.19	39.3	3.52	3.28	41.0	3.63	3.32	46.7	3.98	3.44
1500	60	19.7	2.21	2.62	24.1	2.62	2.70	25.9	2.79	2.73	32.1	3.33	2.83	38.3	3.83	2.93	42.6	4.17	3.00	44.4	4.30	3.03	50.6	4.74	3.13
	70	19.2	2.06	2.73	23.4	2.44	2.81	25.1	2.59	2.84	31.1	3.08	2.96	37.0	3.54	3.07	41.2	3.84	3.15	42.9	3.96	3.18	48.9	4.35	3.29
	80	18.6	1.91	2.86	22.6	2.25	2.94	24.3	2.39	2.98	30.0	2.84	3.10	35.7	3.25	3.22	39.7	3.53	3.30	41.4	3.64	3.34	47.1	3.99	3.46

Q5RD-048K

		OUTDOOR TEMPERATURE (Deg. F)																							
CFM	Indoor T.	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
1350	60	20.6	2.10	2.88	25.5	2.52	2.97	27.6	2.69	3.00	34.5	3.23	3.13	41.4	3.72	3.26	46.3	4.05	3.35	48.3	4.18	3.39	55.2	4.61	3.52
	70	19.9	1.92	3.03	24.6	2.30	3.13	26.6	2.46	3.17	33.4	2.96	3.31	40.1	3.41	3.44	44.8	3.71	3.54	46.8	3.83	3.58	53.6	4.22	3.72
	80	19.3	1.77	3.21	23.9	2.12	3.31	25.9	2.26	3.36	32.4	2.71	3.50	38.9	3.13	3.65	43.4	3.40	3.75	45.4	3.51	3.79	51.9	3.87	3.93
1500	60	20.6	2.09	2.88	25.4	2.51	2.97	27.5	2.68	3.01	34.5	3.22	3.14	41.4	3.72	3.26	46.3	4.05	3.35	48.4	4.18	3.39	55.3	4.61	3.52
	70	19.9	1.92	3.03	24.6	2.30	3.13	26.6	2.46	3.17	33.4	2.96	3.31	40.1	3.41	3.44	44.8	3.71	3.54	46.8	3.83	3.58	53.6	4.22	3.72
	80	19.3	1.76	3.21	23.9	2.11	3.31	25.8	2.26	3.35	32.3	2.71	3.50	38.9	3.13	3.64	43.5	3.40	3.74	45.4	3.52	3.79	52.0	3.88	3.93
1650	60	20.4	2.08	2.88	25.3	2.49	2.97	27.4	2.67	3.01	34.4	3.21	3.14	41.4	3.71	3.27	46.3	4.03	3.36	48.4	4.17	3.40	55.3	4.60	3.53
	70	19.9	1.92	3.03	24.6	2.30	3.13	26.6	2.46	3.17	33.4	2.96	3.31	40.1	3.41	3.44	44.8	3.71	3.54	46.8	3.83	3.58	53.6	4.22	3.72
	80	19.3	1.76	3.20	23.8	2.11	3.30	25.8	2.26	3.35	32.3	2.71	3.49	38.8	3.13	3.64	43.4	3.41	3.74	45.3	3.52	3.78	51.9	3.88	3.92

Q5RD-060K

		OUTDOOR TEMPERATURE (Deg. F)																							
CFM	Indoor T. Deg.F	10			17			20			30			40			47			50			60		
		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	24.8	2.28	3.19	30.6	2.63	3.41	33.1	2.76	3.51	41.3	3.16	3.84	49.5	3.49	4.16	55.3	3.70	4.39	57.8	3.78	4.48	66.0	4.03	4.81
	70	24.0	2.07	3.40	29.6	2.38	3.64	32.0	2.51	3.74	40.1	2.88	4.09	48.2	3.19	4.43	53.9	3.38	4.67	56.3	3.46	4.78	64.4	3.69	5.12
	80	23.4	1.89	3.63	28.9	2.18	3.89	31.3	2.29	4.00	39.2	2.63	4.37	47.0	2.91	4.74	52.5	3.08	5.00	54.9	3.15	5.12	62.8	3.36	5.49
1650	60	25.1	2.27	3.23	30.9	2.63	3.45	33.4	2.77	3.54	41.8	3.18	3.85	50.1	3.54	4.16	56.0	3.76	4.37	58.5	3.84	4.47	66.9	4.11	4.77
	70	24.3	2.07	3.44	30.0	2.40	3.67	32.5	2.53	3.77	40.6	2.91	4.09	48.8	3.24	4.42	54.5	3.44	4.65	57.0	3.52	4.75	65.1	3.76	5.07
	80	23.7	1.89	3.68	29.3	2.19	3.92	31.6	2.30	4.03	39.6	2.66	4.38	47.6	2.96	4.72	53.2	3.14	4.97	55.6	3.21	5.07	63.6	3.44	5.42
1850	60	25.1	2.25	3.27	31.1	2.62	3.48	33.6	2.76	3.57	42.1	3.19	3.88	50.6	3.56	4.18	56.6	3.78	4.39	59.1	3.87	4.48	67.6	4.15	4.78
	70	24.6	2.07	3.49	30.4	2.40	3.71	32.9	2.53	3.80	41.1	2.93	4.12	49.3	3.27	4.43	55.1	3.48	4.65	57.6	3.56	4.74	65.8	3.82	5.06
	80	24.0	1.88	3.73	29.6	2.19	3.96	32.0	2.31	4.06	40.1	2.68	4.39	48.1	2.99	4.72	53.7	3.18	4.95	56.2	3.26	5.05	64.2	3.50	5.38



GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service within the first ten years of installation, in accordance with the terms of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the NORDYNE warranty department for a copy.

NORDYNE

COMPLETE COMFORT. GENUINE VALUE. 8000 Phoenix Parkway | O'Fallon, MO 63368-3827

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