

TECHNICAL SPECIFICATIONS

Q4SE Series

Single Packaged Heat Pump, Single Phase

Q4SE-14 SEER

2 - 5 Ton Units

Cooling: 23,600 to 56,500 Btuh

Heating: 22,200 to 55,500 Btuh

The Q4SE Series single packaged heat pumps are high efficiency self contained cooling and heating units that can be installed on a roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed.



WARRANTY

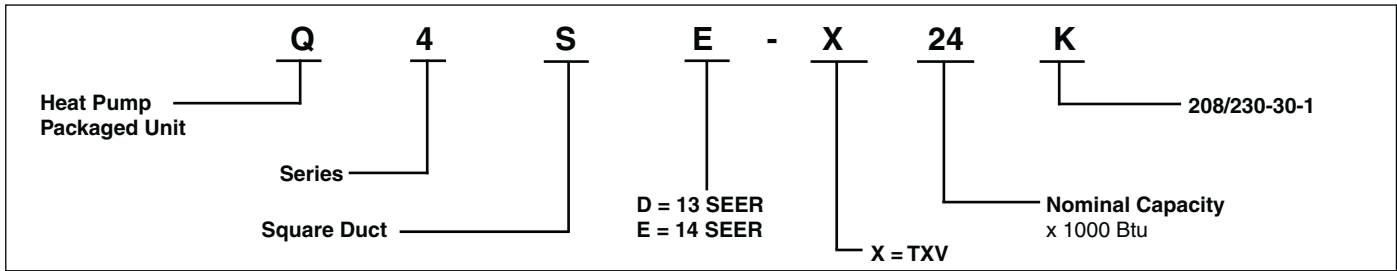
- This product offers a 10-year All-Parts Warranty.
- This product offers a 10 year Quality Pledge to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 10 years of operation, to the original owner.
- Consumer product registration required for 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

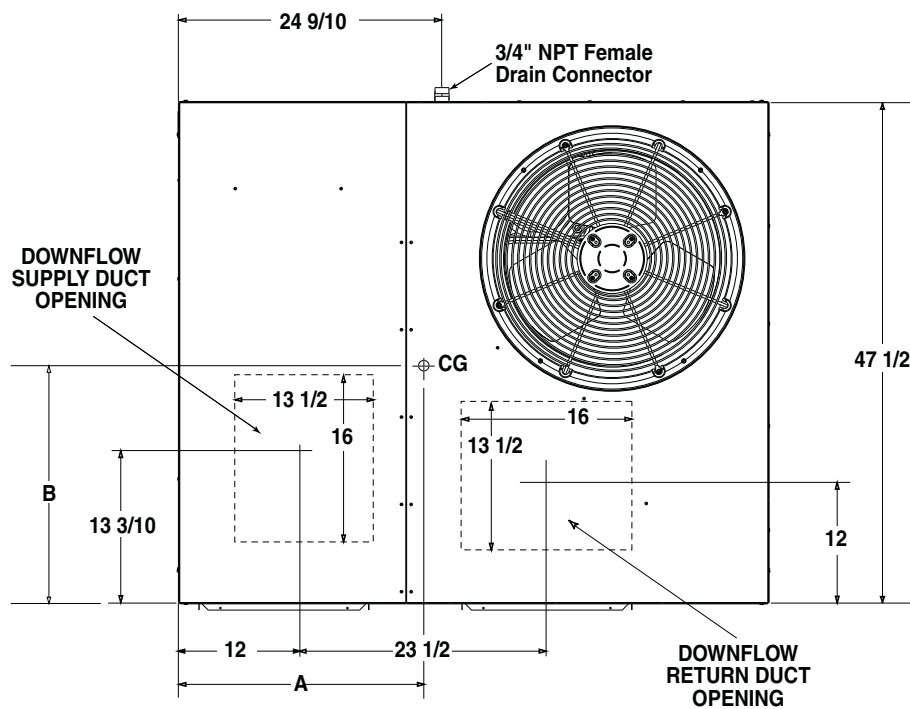
- **Copeland Ultra-Tech Compressor:** State of the art 2 stage scroll compressor is standard equipment.
- **Quiet Operation and Low Vibration:** Compressor sound blanket is standard. Swept-wing fan blade combined with custom Venturi condenser fan.
- **R-410A Refrigerant:** Earth friendly non-ozone depleting refrigerant.
- **Wire guard coated with Earth Friendly Epoxy and plastic mesh hail guard:** A guard that will never rust and protects the units coil from being damaged.

- **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.
- **Designed using Galvanized Steel:** with a polyester urethane coat finish. The 950 hour salt spray finish is 1.5 mil thick and resists corrosion 50% better than comparable units.
- **Permanently Lubricated Condenser Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Thermostatic Expansion Valves:** Factory installed externally equalized thermostatic expansion valves provides precise refrigerant control under varying load conditions.
- **Hi/Low Pressure Switches:** Ensure long compressor life.
- **Externally Accessible, High Flow Service Ports:** Quick access to refrigeration system.
- **Liquid Line Filter Driers:** Factory installed at a convenient location for service.
- **Suction Accumulator:** Protection from liquid flood back and future compressor failures.
- **Low voltage Transformer:** Includes 3 Amp fuse to protect low voltage circuit.
- **Corrosion-Resistant Drain Pan:** Quickly drains away evaporator condensate.
- **ECM Variable Speed Blower Motor:** Advanced technology allows the motor to automatically adjust to different static loads. The variable speed motor allows for extra quiet operation and improved air quality.
- **Demand Defrost Standard:** Provides additional energy savings in heating by defrosting only when necessary.
- **Three Minute Restart Time Delay:** When the unit shuts down, a three minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Heavy-Gauge, Full Perimeter Base Rails:** Facilitates forklift handling and curb mounting.
- **Convertible Air Delivery:** Horizontal or downflow to accommodate rooftop or horizontal applications.
- **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.
- **Easy access:** to the evaporator coil for cleaning and general maintenance.
- **Removable Top Grille Assembly:** Allows ease of service to the fan motor.
- **Duct Flanges:** reduce installation costs.
- **Optional Electric Heat:** Field installed 5 – 20 KW.
- **Proven, Industry Standard Components:** Easier service and availability.

MODEL IDENTIFICATION CODE



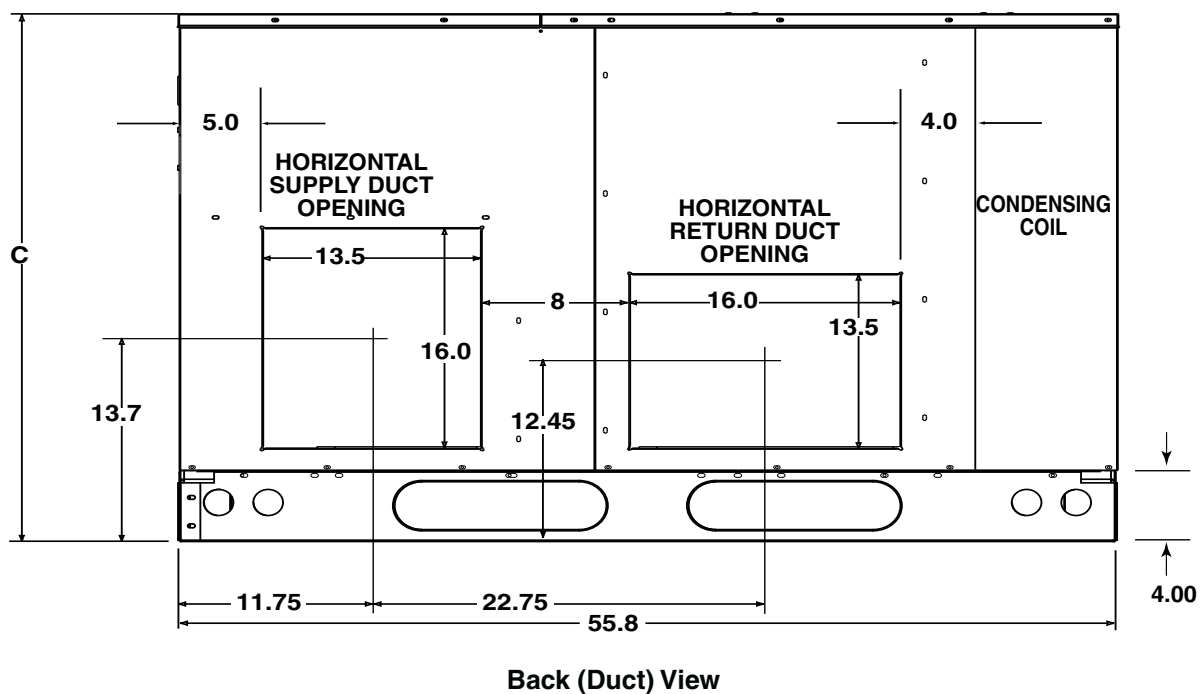
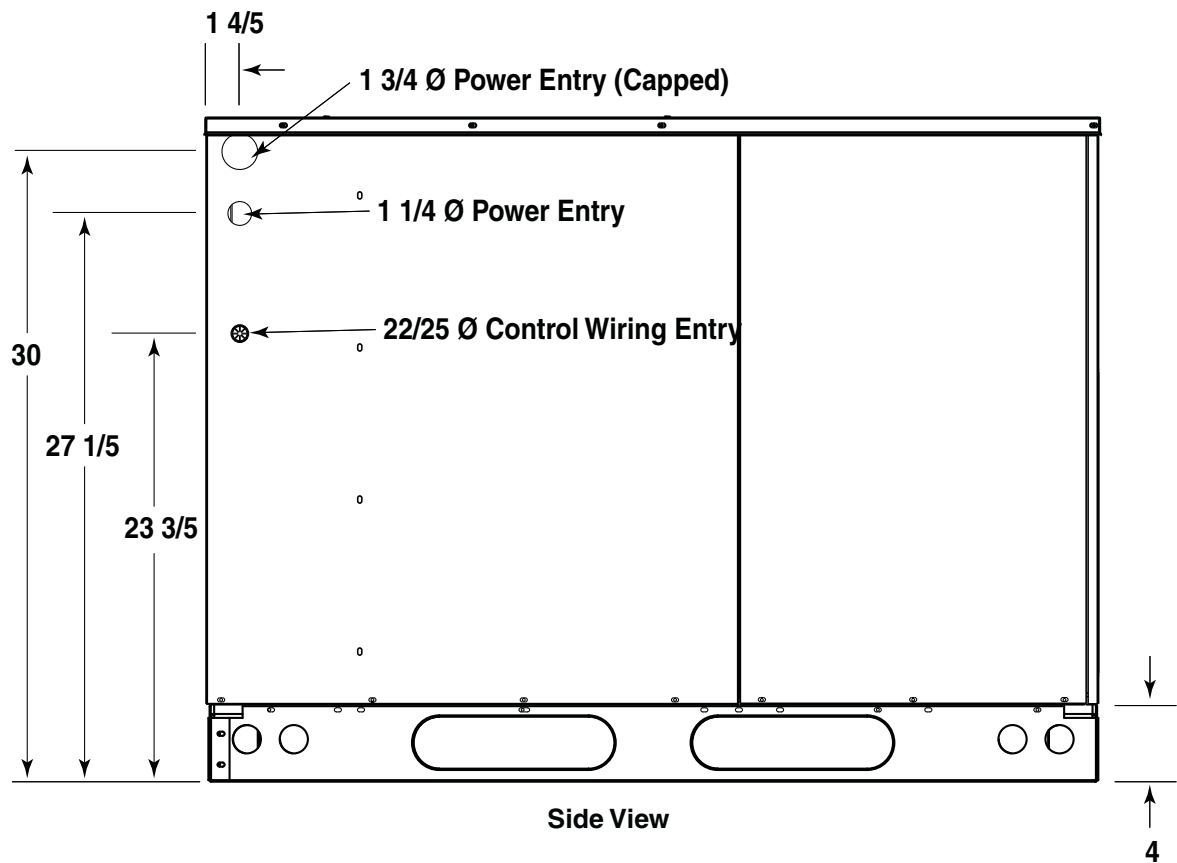
DIMENSIONS



Top View

Model Number Q4SE-	Unit Weight	Center of Gravity		Height (in inches)	
		A	B	C	
				with base rails	without base rails
X24	450	28.0	25.5	39.0	35.3
X36	460	28.0	25.5	39.0	35.3
X48	570	29.5	26.0	43.0	39.3
X60	580	29.5	26.0	43.0	39.3

DIMENSIONS (Continued)



SPECIFICATIONS

Model Number	Q4S()-			
	X24K	X36K	X48K	X60K
Performance				
Capacity - Heating BTUH	22,200	33,000	42,500	55,500
Efficiency - HSPF	8.0	8.0	8.0	8.0
Capacity - Cooling BTUH	23,600	34,000	44,000	56,500
Efficiency - SEER	14.20	14.00	14.50	14.00
EER (Btuh/watt)	11.0	11.0	11.0	11.0
Electrical Rating - 60 Hz				
Phase	1	1	1	1
Operating Voltage Range	187-253	187-253	187-253	187-253
Compressor Data				
Volts	208-230	208-230	208-230	208-230
Rated Load Amps	11.4	19.0	24.0	26.0
Lock Rotor Amps	52	82	96	118
Indoor Blower				
Type	Var. Sp.	Var. Sp.	Var. Sp.	Var. Sp.
Motor HP	1/2	1/2	3/4	3/4
Motor RPM Range	490-740	490-740	645-950	645-950
Motor - Amps	4.3	4.3	6.8	6.8
Outdoor Fan				
Motor - HP / RPM	1/4 - 825	1/4 - 1100	1/4 - 1100	1/3 - 1000
Motor - Amps	1.4	1.2	1.2	1.5
Fan Diameter / CFM	20 / 3200	20 / 3800	20 / 3800	20 / 4000
Refrigerant Charge - Oz.	112.0	126.4	264	236.8
Net Weight lbs.	450	460	570	580
Shipping weight lbs.	460	470	580	590

ELECTRICAL DATA

Model Number	Heater kw	Single Circuit			Multiple Supply Circuit Option					
		MCA	Rec, Wire Gage (90°C Cu)	MOP	Circuit A (Compressor, Blower & Fan)			Circuit B (Heater Only)		
					MCA	Rec, Wire Gage (90°C Cu)	MOP	MCA	Rec, Wire Gage (90°C Cu)	MOP
Q4SE-X24K	0	20	12	30	-	-	-	-	-	-
	5	45	8	50	-	-	-	-	-	-
	8	60	6	60	20	12	30	40	8	40
	10	70	6	70	20	12	30	50	8	60
Q4SE-X36K	0	29	10	45	-	-	-	-	-	-
	5	54	8	60	-	-	-	-	-	-
	8	69	6	70	29	10	45	40	8	40
	10	79	4	80	29	10	45	50	8	60
Q4SE-X48K	15	104	3	110	54	8	60	50	8	60
	0	38	8	60	-	-	-	-	-	-
	5	63	6	80	38	8	60	25	10	30
	8	78	4	90	38	8	60	40	8	40
Q4SE-X60K	10	88	4	100	38	8	60	50	8	60
	15	113	2	125	38	8	60	50	8	60
	20	138	1	150	38	8	60	50	8	60
	0	41	8	60	-	-	-	-	-	-
Q4SE-X60K	5	66	6	80	41	8	60	25	10	30
	8	80	4	90	41	8	60	40	8	40
	10	91	4	100	41	8	60	50	8	60
	15	116	2	125	41	8	60	50	8	60
	20	141	1	150	41	8	60	50	8	60

BLOWER PERFORMANCE

Basic Air-Flow Settings

1/2 HP Motor						1/2 HP Motor						3/4 HP Motor							
	SWITCH				Nominal		SWITCH				Nominal		SWITCH					Nominal	
CFM	1	2	3	4	2.0	CFM	1	2	3	4	3.0	CFM	1	2	3	4	4.0	5.0	
720	0	0	0	0	2 T O N	1080	0	0	0	1	3 T O N	1395	0	0	0	1	4 T O N	5 T O N	
800	0	0	0	1		1200	0	0	0	0		1485	1	0	0	1			
810	1	0	0	1		1215	1	0	0	1		1550	0	0	0	0			
880	0	0	1	0		1260	0	1	0	1		1620	0	1	0	1			
900	1	0	0	0		1320	0	0	1	0		1650	1	0	0	0			
945	0	1	0	1		1350	1	0	0	0		1705	0	0	1	0			
990	1	0	1	0		1395	1	1	0	1		1710	1	1	0	1			
1035	1	1	0	0		1400	0	1	0	0		1800	0	1	0	0			
1050	0	1	0	0	1485	1	0	1	0	1815	1	0	1	0					
1150	1	1	0	0	1540	0	1	1	0	1900	1	1	0	0					
1155	0	1	1	0	1550	1	1	0	0	1980	0	1	1	0					
1265	1	1	1	0	1705	1	1	1	0	2090	1	1	1	0					

Note: 1=ON, 0=OFF

Air Flow Selection for Variable Speed Motors

Nominal KW	CFM	Switch Number							
		1	2	3	4	5	6	7	8
0-5	500					0	0		
6-10	700					1	0		
11-15	900					0	1		
16-20	1100					1	1		

Note: 1=ON, 0=OFF

Minimum Electric Heat Airflow (all models)

Delay Description	Switch Number							
	1	2	3	4	5	6	7	8
Delay A							0	0
Delay B							0	1
No Delay							1	0
De-Hum.							1	1

Note: 1=ON, 0=OFF

Delay Settings (all models)

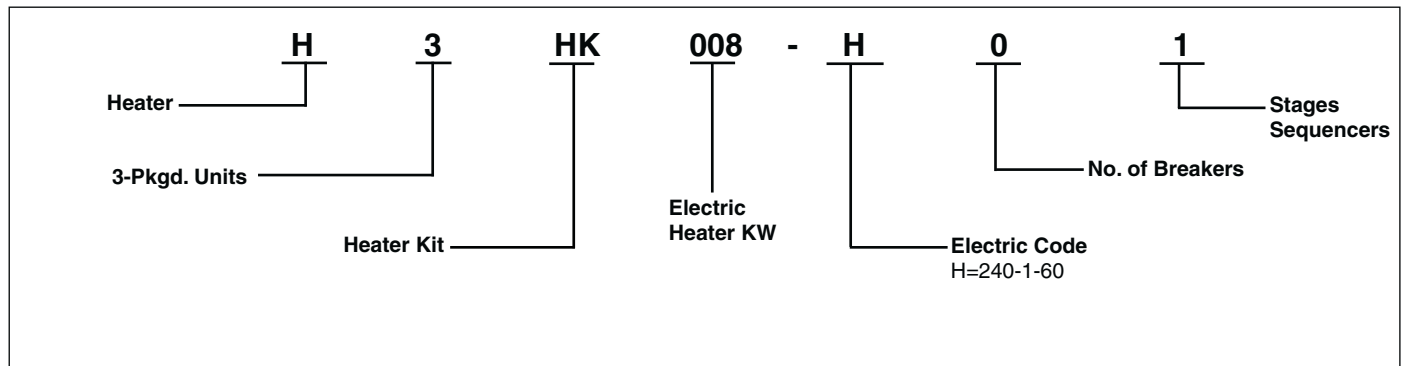
HEATER APPLICATION MATRIX

Model Number	H3HK-005H-01B	H3HK-008H-01B	H3HK-010H-01B	H3HK-015H-01B	H3HK-020H-01B	H3HK-015H-21B	H3HK-020H-21B
	917166B	917167B	917168B	917169B	917170B	917172B	917173B
Q4S()-X24K	X	X(2)	X(2)	NA	NA	X	NA
Q4S()-X36K	X	X(2)	X(2)	X(2)	NA	X	NA
Q4S()-X48K	X(2)	X(2)	X(2)	X(3)	X(3)	X(1)	X(1)
Q4S()-X60K	X(2)	X(2)	X(2)	X(3)	X(3)	X(1)	X(1)

NA = Not Applicable.

() = Number of internal circuit
breaker kits required.

MODEL IDENTIFICATION CODE



EXPANDED COOLING PERFORMANCE - 14 SEER H.P.

Q4SE-X24K

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.
700	80	62	22.2	18.8	1.81	21.0	18.8	2.00	19.8	19.2	2.23	18.5	18.4	2.47
	80	67	24.5	15.4	1.73	23.3	15.0	1.92	22.0	14.5	2.13	20.5	14.0	2.37
	80	72	26.4	11.8	1.75	25.0	11.4	1.95	23.6	10.9	2.16	22.0	10.4	2.40
	75	63	22.8	15.2	1.72	21.7	15.2	1.90	20.5	15.0	2.11	19.1	14.7	2.35
850	80	62	23.1	20.8	1.82	22.0	20.9	2.02	20.8	20.3	2.24	19.5	19.5	2.49
	80	67	25.3	17.1	1.74	24.0	16.6	1.93	22.6	16.1	2.14	21.1	15.5	2.38
	80	72	27.2	12.8	1.76	25.8	12.3	1.95	24.2	11.8	2.17	22.5	11.3	2.41
	75	63	23.6	17.4	1.73	22.4	17.2	1.91	21.1	16.9	2.12	19.6	16.4	2.36
1000	80	62	24.1	22.3	1.83	23.0	21.8	2.03	21.7	21.7	2.25	20.3	20.3	2.51
	80	67	25.9	18.7	1.75	24.6	18.2	1.94	23.1	17.6	2.15	21.5	17.0	2.39
	80	72	27.7	13.7	1.77	26.2	13.2	1.96	24.6	12.7	2.18	22.9	12.1	2.42
	75	63	24.1	19.7	1.73	22.9	19.2	1.92	21.5	18.7	2.13	20.0	18.0	2.36

Q4SE-X36K

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	32.7	28.1	2.70	31.1	28.1	2.98	29.3	28.6	3.29	27.6	27.4	3.64
	80	67	35.3	22.7	2.73	33.5	22.0	3.01	31.5	21.3	3.33	29.4	20.6	3.68
	80	72	37.7	17.3	2.77	39.6	17.9	2.51	41.2	18.4	2.28	42.6	18.8	2.07
	75	63	32.4	23.8	2.70	30.8	23.6	2.97	29.0	23.3	3.28	27.0	22.8	3.63
1350	80	62	33.5	29.5	2.71	31.8	30.2	2.99	30.2	29.4	3.30	28.4	28.4	3.66
	80	67	35.9	24.1	2.74	34.0	23.4	3.02	32.1	22.5	3.33	29.8	21.7	3.69
	80	72	38.3	18.2	2.78	40.1	18.7	2.52	41.8	19.2	2.29	43.3	19.7	2.07
	75	63	33.0	25.9	2.70	31.3	25.6	2.98	29.4	25.1	3.29	27.4	24.4	3.64
1500	80	62	34.1	31.6	2.72	32.6	31.0	3.00	30.9	30.9	3.31	29.1	29.1	3.67
	80	67	36.4	25.1	2.75	34.5	24.4	3.03	32.5	23.7	3.34	30.2	22.9	3.69
	80	72	38.8	19.0	2.78	40.6	19.6	2.53	42.4	20.1	2.30	43.9	20.6	2.08
	75	63	33.5	28.2	2.71	31.7	27.7	2.99	29.8	26.9	3.30	27.8	25.9	3.65

EXPANDED COOLING PERFORMANCE - 14 SEER H.P. (Cont.)

Q4SE-X48K

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.
1500	80	62	48.9	22.6	3.70	46.3	22.9	4.03	43.4	24.1	4.39	40.3	23.4	4.80
	80	67	45.7	29.7	3.65	43.4	28.8	3.98	40.7	27.8	4.34	37.9	26.7	4.74
	80	72	48.9	22.6	3.70	46.3	21.7	4.03	43.4	20.8	4.39	40.3	19.7	4.80
1650	75	63	41.9	30.7	3.59	39.7	30.7	3.91	37.3	30.2	4.28	34.7	29.4	4.67
	80	62	49.5	23.5	3.71	46.8	24.9	4.04	43.9	24.9	4.40	40.7	24.6	4.81
	80	67	46.4	31.2	3.66	44.0	30.2	3.99	41.3	29.2	4.35	38.4	28.1	4.76
1800	80	72	49.5	23.5	3.71	46.8	22.6	4.04	43.9	21.6	4.40	40.7	20.5	4.81
	75	63	42.6	33.4	3.60	40.3	33.0	3.92	37.9	32.2	4.29	35.2	31.2	4.68
	80	62	50.1	25.6	3.72	47.3	25.8	4.05	44.4	26.8	4.41	41.1	25.3	4.82
1800	80	67	47.0	32.6	3.67	44.5	31.7	4.00	41.8	30.6	4.36	38.8	29.4	4.77
	80	72	50.1	24.3	3.72	47.3	23.4	4.05	44.4	22.4	4.41	41.1	21.2	4.82
	75	63	43.1	36.3	3.61	40.8	35.4	3.93	38.4	34.3	4.30	35.6	32.9	4.69

Q4SE-X60K

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.	T.C.	S.C.	K.W.	
1600	80	62	52.0	41.5	4.47	49.4	41.6	4.95	46.6	42.7	5.46	43.5	41.7	6.03				
	80	67	56.3	34.3	4.55	53.5	33.3	5.02	50.4	32.2	5.56	47.0	31.0	6.13				
	80	72	61.5	26.3	4.64	58.2	25.4	5.12	54.5	24.5	5.65	50.7	23.4	6.23				
	75	63	51.7	35.5	10.59	49.2	35.6	10.60	46.3	35.1	10.60	43.2	34.3	10.55				
1800	80	62	53.2	44.2	4.49	50.6	45.6	4.97	47.7	45.2	5.49	44.5	44.5	6.06				
	80	67	57.6	36.5	4.57	54.6	35.5	5.05	51.4	34.4	5.58	47.8	33.2	6.15				
	80	72	62.1	27.7	4.66	59.0	26.8	5.14	55.4	25.8	5.67	51.6	24.6	6.25				
	75	63	52.9	39.2	10.59	50.2	38.8	10.58	47.3	37.6	10.58	44.0	36.6	10.58				
2000	80	62	54.4	48.0	4.51	51.7	47.8	4.99	48.6	48.6	5.51	45.7	45.7	6.09				
	80	67	58.6	38.7	4.59	55.5	37.6	5.06	52.2	36.5	5.60	48.6	34.7	6.17				
	80	72	63.2	29.0	4.68	59.9	28.1	5.16	56.2	27.0	5.69	52.3	25.9	6.27				
	75	63	54.0	42.5	10.56	51.2	41.7	10.56	48.1	40.5	10.56	44.7	39.1	10.56				

EXPANDED HEATING PERFORMANCE - 14 SEER H.P.

Q4SE X24

		OUTDOOR TEMPERATURE (Deg. F)																							
	Indoor T. Deg.F	10			17			20			30			40			47			50			60		
CFM		MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
700	60	10.0	1.88	1.57	12.6	2.31	1.60	13.7	2.49	1.61	17.3	3.06	1.66	21.0	3.61	1.70	23.5	3.98	1.73	24.6	4.13	1.75	28.2	4.62	1.79
	70	9.5	1.83	1.52	11.9	2.22	1.57	12.9	2.38	1.59	16.3	2.88	1.66	19.7	3.34	1.73	22.1	3.64	1.78	23.1	3.77	1.80	26.5	4.16	1.86
	80	8.9	1.74	1.50	11.1	2.10	1.55	12.1	2.24	1.58	15.2	2.69	1.66	18.4	3.10	1.73	20.6	3.37	1.79	21.5	3.48	1.81	24.7	3.82	1.89
850	60	10.1	1.82	1.63	12.8	2.25	1.66	13.9	2.43	1.67	17.6	3.01	1.71	21.3	3.57	1.75	23.9	3.94	1.78	25.1	4.09	1.80	28.8	4.59	1.84
	70	9.7	1.78	1.60	12.1	2.16	1.64	13.1	2.32	1.66	16.6	2.83	1.72	20.1	3.30	1.79	22.5	3.61	1.83	23.5	3.73	1.85	27.0	4.14	1.91
	80	9.1	1.70	1.56	11.4	2.05	1.62	12.3	2.20	1.64	15.6	2.65	1.72	18.8	3.06	1.80	21.1	3.33	1.86	22.1	3.44	1.88	25.3	3.79	1.96
1000	60	10.4	1.80	1.69	13.0	2.22	1.72	14.1	2.40	1.73	17.9	2.98	1.76	21.7	3.53	1.80	24.3	3.91	1.83	25.5	4.07	1.84	29.2	4.58	1.87
	70	9.8	1.75	1.65	12.3	2.13	1.69	13.4	2.29	1.71	16.9	2.80	1.77	20.5	3.27	1.84	23.0	3.58	1.88	24.0	3.71	1.90	27.6	4.13	1.96
	80	9.3	1.67	1.63	11.6	2.02	1.68	12.6	2.16	1.70	15.8	2.61	1.78	19.1	3.01	1.86	21.4	3.28	1.92	22.4	3.39	1.94	25.7	3.74	2.02

Q4SE X36

		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
1200	60	15.0	1.96	2.24	18.6	2.38	2.29	20.1	2.55	2.31	25.2	3.09	2.39	30.3	3.60	2.47	33.9	3.94	2.52	35.4	4.08	2.55	40.5	4.53	2.62
	70	14.3	1.83	2.29	17.8	2.21	2.36	19.2	2.36	2.39	24.1	2.85	2.48	29.0	3.31	2.57	32.4	3.61	2.64	33.9	3.73	2.66	38.8	4.13	2.76
	80	13.8	1.70	2.37	17.0	2.04	2.44	18.4	2.18	2.47	23.1	2.63	2.57	27.8	3.04	2.68	31.0	3.31	2.75	32.4	3.43	2.78	37.1	3.78	2.88
1350	60	15.1	1.94	2.29	18.7	2.35	2.34	20.3	2.52	2.36	25.5	3.08	2.43	30.7	3.60	2.50	34.4	3.94	2.55	35.9	4.09	2.58	41.1	4.55	2.65
	70	14.5	1.81	2.35	18.0	2.19	2.41	19.5	2.35	2.44	24.5	2.84	2.52	29.4	3.31	2.61	32.9	3.61	2.67	34.4	3.74	2.70	39.4	4.15	2.78
	80	13.9	1.68	2.43	17.3	2.03	2.49	18.7	2.17	2.52	23.4	2.62	2.62	28.2	3.04	2.72	31.5	3.32	2.78	32.9	3.44	2.81	37.7	3.80	2.91
1500	60	15.2	1.91	2.34	18.9	2.33	2.38	20.5	2.50	2.40	25.8	3.06	2.47	31.1	3.59	2.54	34.8	3.94	2.59	36.3	4.08	2.61	41.6	4.56	2.68
	70	14.7	1.80	2.40	18.2	2.18	2.45	19.7	2.34	2.48	24.8	2.84	2.56	29.8	3.31	2.65	33.4	3.62	2.70	34.9	3.75	2.73	39.9	4.16	2.81
	80	14.1	1.67	2.48	17.5	2.02	2.54	18.9	2.16	2.57	23.7	2.61	2.66	28.5	3.04	2.75	31.9	3.32	2.82	33.3	3.43	2.85	38.1	3.80	2.94

EXPANDED HEATING PERFORMANCE - 14 SEER H.P. (Cont.)

Q4SE X48

		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
1500	60	16.5	1.91	2.54	21.6	2.40	2.64	23.8	2.60	2.68	31.0	3.22	2.83	38.2	3.78	2.97	43.3	4.14	3.07	45.5	4.29	3.11	52.7	4.75	3.25
	70	15.8	1.75	2.65	20.7	2.21	2.76	22.9	2.39	2.81	29.9	2.96	2.96	36.9	3.47	3.12	41.8	3.80	3.23	43.9	3.93	3.28	51.0	4.35	3.44
	80	15.3	1.61	2.78	20.0	2.03	2.89	22.1	2.20	2.95	28.9	2.72	3.12	35.7	3.19	3.29	40.5	3.48	3.40	42.5	3.61	3.46	49.3	3.99	3.63
1650	60	16.7	1.89	2.59	21.8	2.38	2.68	24.0	2.58	2.72	31.3	3.21	2.86	38.6	3.79	2.99	43.8	4.16	3.09	46.0	4.31	3.13	53.3	4.79	3.26
	70	16.0	1.74	2.70	21.0	2.20	2.80	23.1	2.38	2.85	30.2	2.96	3.00	37.3	3.48	3.15	42.3	3.82	3.25	44.4	3.95	3.30	51.5	4.39	3.45
	80	15.4	1.60	2.82	20.3	2.02	2.94	22.3	2.19	2.99	29.2	2.72	3.15	36.1	3.20	3.31	40.9	3.51	3.42	43.0	3.63	3.47	49.9	4.03	3.63
1800	60	16.8	1.87	2.63	22.0	2.37	2.72	24.2	2.57	2.76	31.6	3.20	2.89	39.0	3.78	3.02	44.2	4.16	3.12	46.4	4.31	3.16	53.8	4.80	3.29
	70	16.2	1.74	2.74	21.3	2.19	2.84	23.4	2.38	2.88	30.6	2.96	3.03	37.7	3.49	3.17	42.8	3.83	3.27	44.9	3.97	3.32	52.1	4.41	3.46
	80	15.6	1.60	2.87	20.5	2.02	2.98	22.6	2.19	3.02	29.5	2.72	3.18	36.5	3.21	3.33	41.3	3.52	3.44	43.4	3.65	3.49	50.4	4.05	3.65

Q4SE X60

		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
1600	60	27.3	2.85	2.81	32.8	3.10	3.10	35.1	3.20	3.22	42.9	3.47	3.63	50.7	3.69	4.04	56.2	3.81	4.32	58.5	3.86	4.44	66.3	4.01	4.85
	70	26.4	2.61	2.97	31.8	2.84	3.28	34.1	2.93	3.41	41.7	3.18	3.85	49.4	3.37	4.29	54.8	3.49	4.60	57.0	3.53	4.73	64.7	3.67	5.17
	80	25.9	2.42	3.15	31.1	2.62	3.48	33.4	2.70	3.63	40.8	2.91	4.11	48.2	3.08	4.59	53.4	3.18	4.92	55.7	3.22	5.07	63.1	3.34	5.55
1800	60	27.6	2.82	2.87	33.1	3.10	3.14	35.5	3.20	3.26	43.4	3.49	3.65	51.4	3.73	4.04	56.9	3.87	4.31	59.3	3.93	4.43	67.2	4.09	4.82
	70	26.8	2.60	3.03	32.2	2.84	3.32	34.5	2.94	3.45	42.3	3.21	3.87	50.0	3.42	4.29	55.4	3.55	4.58	57.7	3.60	4.71	65.5	3.74	5.13
	80	26.2	2.39	3.21	31.5	2.61	3.53	33.7	2.70	3.66	41.3	2.94	4.12	48.8	3.13	4.57	54.1	3.24	4.89	56.4	3.29	5.03	63.9	3.42	5.48
2000	60	27.7	2.78	2.91	33.3	3.07	3.18	35.7	3.18	3.30	43.8	3.49	3.68	51.8	3.75	4.06	57.5	3.90	4.32	59.9	3.96	4.44	68.0	4.14	4.82
	70	27.1	2.58	3.08	32.6	2.84	3.37	34.9	2.94	3.49	42.7	3.22	3.89	50.5	3.45	4.30	56.0	3.59	4.58	58.3	3.64	4.70	66.1	3.80	5.11
	80	26.5	2.38	3.27	31.8	2.61	3.57	34.1	2.70	3.70	41.7	2.96	4.14	49.3	3.16	4.57	54.6	3.29	4.88	56.9	3.33	5.01	64.5	3.48	5.44

Q4SE ACCESSORIES

Description	Part Number
Roof Curb (8")	547830
Roof Curb (14")	547831
Roof Curb (18")	547850
Roof Curb (24")	547851
Supply/return transition, 16"	547834
Supply/return transition, 18"	547835
Concentric diffuser, flush, 16"	547836
Concentric diffuser, flush, 18"	547837
Concentric diffuser, step down 16"	547838
Concentric diffuser, step down 18"	547839
HOOD TYPE HAIL GUARD 34" X 76" Q4SEX24, X36	547846
HOOD TYPE HAIL GUARD 38" X 76" Q4SEX48, X60	547847
DUCT SMOKE DETECTOR PHOTO ELEC	558863
MULTI SIGNAL CONTROL	547893
SAMPLING TUBE DST3, 2-4'	558864
SAMPLING TUBE DST5, 4-8'	558865
Filter Rack, All Downflow Applications (not required with economizer)	547885
Horizontal Filter Kit (not required with economizer) Q4SEX24, X36	547888
Horizontal Filter Kit (not required with economizer) Q4SEX48, X60	547889
Low Ambient Kit	918837
Outdoor Thermostat Kit	913852
Economizer, downflow w/filter (does not require filter kit) modulating	558870
Economizer, horizontal modulating	547841
Power Exhaust, horizontal economizer (special order) 208/230	547843
Power Exhaust, downflow economizer (special order) 208/230	547842
Skirt Trim Kit	919729
Extreme High Wind Kit - Roof Curb Mount	903696
Extreme High Wind Kit - Ground Mount	903695
Duct Adopter, 14" Round (2 each)	913812A
Control, CO2 Sensor, Wall Mount	920317
Control, CO2 Sensor, Duct Mount	920318
Freezestat Kit	917108
Heater Kit - 4 - Pole single Circuit Adapter	913350
Heater Kit - 6 Pole Single Circuit Adaptor	913556
Heater Kit - Circuit Breaker Single Phase (2-Pole)	913554



GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service 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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