



Air Conditioning & Heating

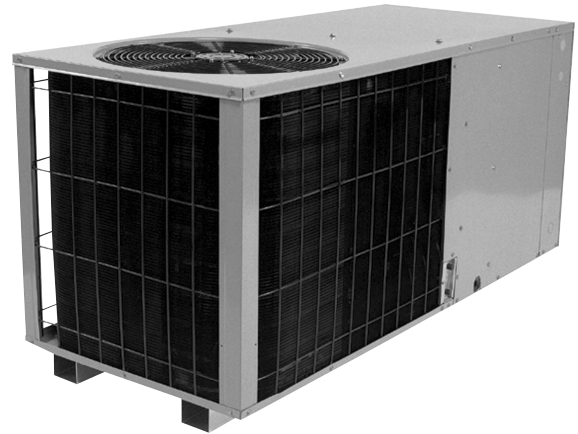
PHK SERIES
10 SEER

Self-Contained
Packaged Heat Pump

2 to 5 Ton

Cooling Capacity: 23,600 – 55,000 BTUH

Heating Capacity: 23,800 – 55,000 BTUH



The PHK self contained heat pump is designed for ground, rooftop or side-by-side application.

The PHK is approved for manufactured or modular homes.

Standard Features

- Multi-speed evaporator blower motor; low-speed for normal or low-static application, high-speed for high-static application in manufactured homes
- Quiet operating top condenser discharge
- Copper tube, aluminum fin coils
- Totally enclosed, permanently lubricated condenser fan motor
- Hermetically sealed compressor with internal relief valve
- Fully charged R-22 system
- Bi-flow liquid line filter drier
- Suction line accumulator
- Check-flowrator expansion device
- Crankcase heater
- High-efficiency performance
- Bottom pan rails elevate the unit above the slab

Cabinet Construction

- Powder-paint finish with 500-hour salt spray approval
- Fully insulated air handling compartment
- Convenient access panels
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds

Accessories

- Roof curb
- Downflow Plenum (includes filter rack)
- Manual fresh air damper (to be used with Downflow Plenum)
- Economizer (to be used with Downflow Plenum)
- Square to Round Duct Converter for Round Duct applications (Horizontal and Downflow)
- Elbow and Flashing Downflow Kit
- Room Thermostat (HPT18-60)
- Outdoor Thermostat (OT18-60)
- Heat Kit from 5 to 20 kW with plug-in connection

Accessory Heat Kit Features

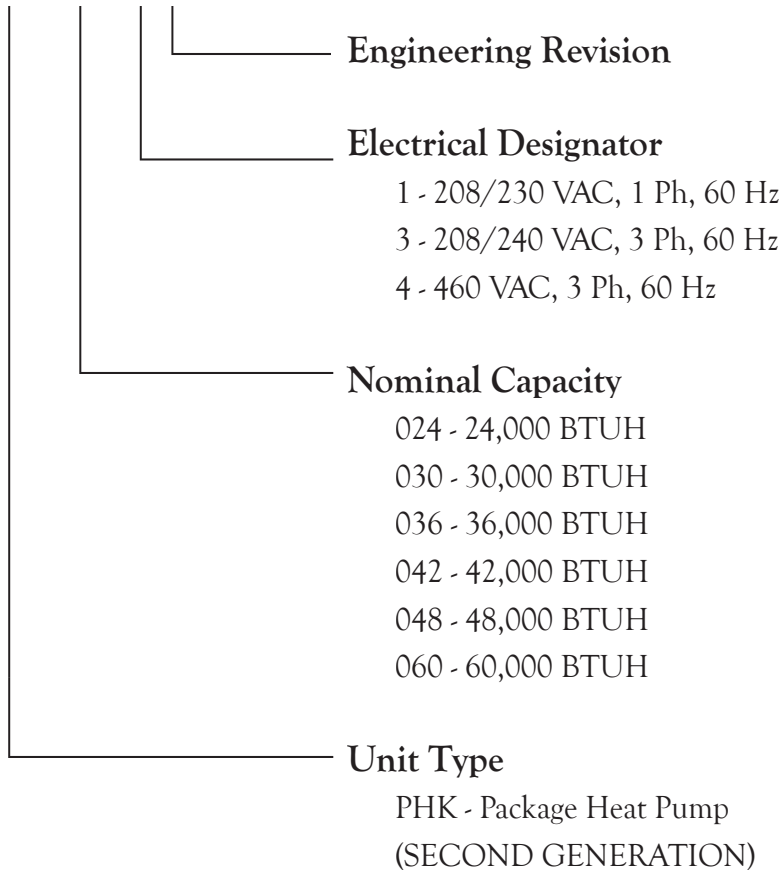
- Controlled by sequencers for better temperature control (single-phase units only)
- Control circuitry arranged to readily permit staging (HK10, 15, 20-1 only)
- Primary and secondary limit protection
- Rust-resistant nickel chromium heating elements
- Factory-installed circuit breakers on certain models (See Electrical Data Chart)



PRODUCT SPECIFICATIONS

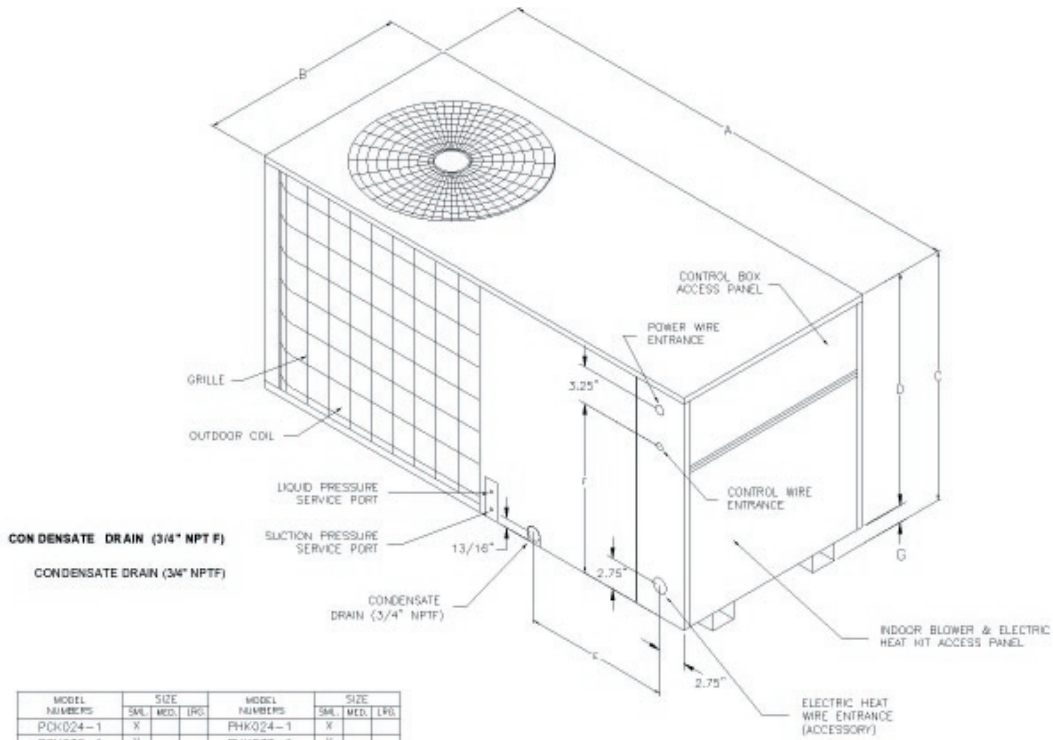
Model Identification

PHK 024 - 1 *



PRODUCT SPECIFICATIONS

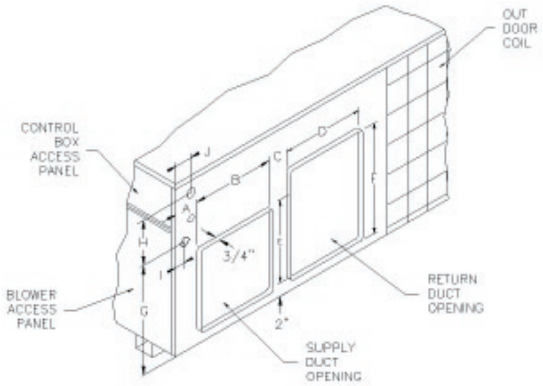
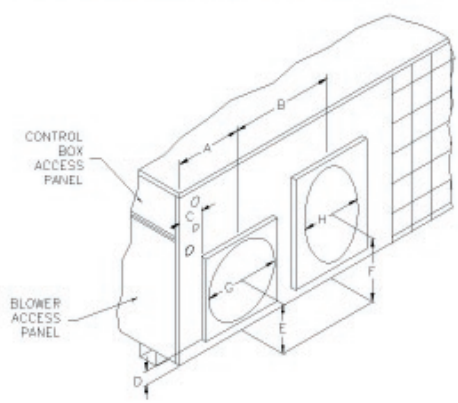
Dimensional Data



MODEL NUMBERS	SIZE			MODEL NUMBERS	SIZE		
	SMALL	MED.	LARGE		SMALL	MED.	LARGE
PCK024-1	X			PHK024-1	X		
PCK030-1	X			PHK030-1	X		
PCK036-1	X			PHK036-1		X	
PCK036-3	X			PHK036-5			X
PCK042-1		X		PHK042-1			X
PCK048-1		X		PHK048-1			X
PCK048-3		X		PHK048-3			X
PCK048-5			X	PHK048-5			X
PCK060-1			X	PHK060-1			X
PCK060-3			X	PHK060-3			X
PCK060-4			X	PHK060-5			X
PCK060-5			X				
PCKJ024-1	X						
PCKJ030-1	X			PHKJ024-1			X
PCKJ036-1		X		PHKJ030-1			X
PCKJ042-1		X		PHKJ036-1			X
PCKJ048-1			X	PHKJ048-1			X
PCKJ060-1			X	PHKJ060-1			X

MODEL SIZE	A	B	C	D	E	F	G
LARGE	63.15	32.15	34.62	32.50	19.56	27.06	2.12
MEDIUM	63.15	32.15	29.62	27.50	19.56	22.06	2.12
SMALL	56.35	24.14	27.12	25.00	16.68	19.56	2.12

UNIT WITH CIRCULAR DUCT PANEL ADDED



MODEL SIZE	A	B	C	D	E	F	G	H*
LARGE	10.75	20.25	3.75	2.00	9.00	14.00	14.00	18.00
MEDIUM	10.75	20.25	3.75	2.00	9.00	13.00	14.00	16.00
SMALL	9.62	16.24	3.62	2.00	8.00	12.00	12.00	13.00

MODEL SIZE	A	B	C	D	E	F	G	H	I	J
LARGE	3.75	14	6.25	14	14	24	18.68	11.62	2.25	2.75
MEDIUM	3.75	14	6.25	14	14	22	18.68	6.62	2.25	2.75
SMALL	3.62	12	4.25	12	12	20	16.18	6.62	2.59	2.59

H* RETURN OPENING IS EQUIVALENT TO ROUND DUCT STAFFED

PRODUCT SPECIFICATIONS

Specifications

MODELS	PHK024-1A	PHK030-1A	PHK036-1A	PHK036-3A	PHK042-1A	PHK048-1A	PHK048-3A	PHK060-1	PHK060-3
Total Cooling-BTUH	23,600	28,200	35,600	35,600	40,500	46,000	46,000	55,000	55,000
Sens. Cooling-BTUH	17,200	21,600	26,700	26,700	30,400	35,200	35,200	42,400	42,400
SEER (1)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EER (2)	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Heating BTUH	23,800	27,400	34,400	34,400	40,000	44,000	44,000	55,000	55,000
C.O.P (47°F)	2.80	3.00	3.00	3.00	3.20	3.10	3.10	3.50	3.50
Heating-BTUH (17°F)	12,000	14,600	20,000	20,000	22,400	24,000	24,000	32,000	32,000
C.O.P. (17°F)	1.90	1.90	2.00	2.00	2.00	2.00	2.00	2.10	2.10
H.S.P.F.	6.80	6.80	7.00	7.00	7.50	6.80	6.80	7.50	7.50
Sound Rating(bels)	8.00	8.00	8.40	8.40	8.40	8.40	8.40	8.40	8.40
Indoor Blower									
Type	DD	DD	DD	DD	DD	DD	DD	DD	DD
Size - D x W	9 X 6	9 X 6	9 X 6	9 X 8	9 X 8	9 X 8	9 X 8	10 x 8	10 x 8
Motor H.P.	1/5	1/3	1/3	1/3	1/2	1/2	1/2	3/4	3/4
Evaporator Coil									
Face Area (ft2)	3.33	3.33	5.25	5.25	6.22	6.22	6.22	6.22	6.22
Fin/In.	14	14	14	14	14	14	14	14	14
No. of Rows	2	2	2	2	2	4	4	4	4
Outdoor Fan									
Fan Dia. (In.)	18	18	22	22	22	22	22	22	22
Motor H.P.	1/6	1/6	1/4	1/4	1/4	1/4	1/4	1/3	1/3
Condenser Coil									
Face Area (ft2)	12.1	12.1	14.7	14.7	16.2	16.2	16.2	16.2	16.2
Fin/In.	19	19	19	19	19	19	19	19	19
No. of Rows	1	1	1	1	1	1	1	1	1
Electrical									
Ph	1	1	1	3	1	1	3	1	3
Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
Compr. RLA	11.2	14.4	16.2	10.3	17.1	18.3	12.0	25.0	18.0
Compr. LRA	61.0	82.0	96.0	75.0	105.0	102.0	91.0	163.0	129.0
Indoor Blw FLA	1.5	2.6	2.6	2.6	3.6	3.6	3.6	5.1	5.1
Outdoor Blw FLA	1.0	1.0	1.6	1.6	1.6	2.5	2.5	2.5	2.5
Min. Circuit Amp.	16.5	21.6	24.5	17.1	20.6	31.1	21.9	38.9	30.1
M.O.P. (3)	20	30	40	20	40	40	30	60	40
Net Weight	255	260	340	340	355	385	385	390	390
Shipping Weight	270	275	365	365	380	410	410	415	415
Capacities @ 95°F Outside Air, 75°F Dry Bulb @ 63°F Wet Bulb Inside									
Total MBTU	21.7	27.2	32.5	32.5	38.2	43.4	43.4	50.5	50.0
Sensible MBTU	15.6	20.2	23.3	23.3	29.1	30.0	30.0	36.3	36.3

(1) Certified per ARI 240

(2) BTU/Watt @ 80 / 67 °F inside - 95 °F outside air

(3) M.O.P (Maximum Overcurrent Protection)

Note - May use fuses or HACR type Circuit Breakers of the same size as noted

PRODUCT SPECIFICATIONS

Expanded Ratings (Cooling)

Outdoor Unit PHK024-1

Indoor Air		Condenser Air Temperature														
		75F			85F			95F			105F			115F		
SCFM	WB	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh
669	72	27.4	12.9	2.46	26.2	12.4	2.60	24.8	11.9	2.70	23.4	11.4	2.83	21.9	10.8	2.96
	67	25.0	16.0	2.31	23.8	15.5	2.41	22.7	15.0	2.54	21.2	14.4	2.67	19.8	14.4	2.81
	62	23.1	18.9	2.15	21.9	18.4	2.28	21.4	17.9	2.41	20.8	17.4	2.54	19.6	16.7	2.65
	57	22.2	20.5	2.10	21.2	19.6	2.23	20.3	18.7	2.36	19.1	17.7	2.52	18.2	16.7	2.62
787	72	28.6	14.3	2.54	27.1	13.8	2.65	25.7	13.2	2.78	24.3	12.9	2.91	22.7	12.2	3.04
	67	26.2	18.2	2.39	25.0	17.7	2.49	23.6	17.2	2.62	22.2	16.7	2.75	20.8	16.2	2.88
	62	24.3	21.8	2.26	23.1	21.2	2.36	21.9	20.3	2.49	21.0	19.3	2.62	19.8	18.2	2.78
	57	24.1	22.2	2.23	22.9	21.3	2.36	21.9	20.3	2.49	21.0	19.3	2.62	19.8	18.2	2.78
905	72	29.3	15.5	2.60	27.8	15.0	2.70	26.4	14.4	2.83	24.8	13.9	2.96	23.4	13.6	3.09
	67	27.1	20.1	2.44	25.7	19.8	2.54	24.3	19.3	2.67	22.9	18.6	2.81	21.5	18.1	2.94
	62	25.5	23.6	2.33	24.5	22.5	2.46	23.1	21.5	2.60	22.2	20.5	2.73	20.8	19.3	2.88
	57	25.5	23.6	2.33	24.5	22.5	2.46	23.1	21.5	2.60	22.2	20.5	2.73	20.8	19.3	2.88

Sensible heat capacities shown are based on 80F DB entering air at the evaporator coil.
 For sensible heat capacities at other than 80F DB, deduct 84 BTUH per 100 CFM of evaporator coil air for each degree below 80F, or add 84 BTUH per 100 CFM of evaporator coil air per degree above 80F.

CAPACITIES AT 95F OUTDOOR., 75F DB AND 63F WB INDOOR
 TOTAL MBTUH 22.3 SENSIBLE MBTUH 16.4 LATENT MBTUH 5.9

Outdoor Unit PHK030-1

Indoor Air SCFM		Wb	Condenser Air Temperature														
			75F			85F			95F			105F			115F		
		Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	
799	72	32.7	16.2	2.95	31.3	15.6	3.10	29.6	14.9	3.23	27.9	14.3	3.38	26.2	13.6	3.54	
	67	29.9	20.1	2.76	28.5	19.4	2.88	27.1	18.8	3.04	25.4	18.1	3.20	23.7	18.1	3.35	
	62	27.6	23.8	2.57	26.2	23.1	2.73	25.5	22.5	2.88	24.8	21.8	3.04	23.4	21.0	3.16	
	57	26.5	25.7	2.51	25.4	24.6	2.66	24.3	23.5	2.82	22.8	22.2	3.01	21.7	21.0	3.13	
940	72	34.1	17.9	3.04	32.4	17.3	3.16	30.7	16.6	3.32	29.0	16.2	3.48	27.1	15.3	3.63	
	67	31.3	22.9	2.85	29.9	22.2	2.98	28.2	21.6	3.13	26.5	21.0	3.29	24.8	20.3	3.45	
	62	29.0	27.4	2.69	27.6	26.6	2.82	26.2	25.5	2.98	25.1	24.2	3.13	23.7	22.9	3.32	
	57	28.8	27.9	2.66	27.4	26.8	2.82	26.2	25.5	2.98	25.1	24.2	3.13	23.7	22.9	3.32	
1081	72	35.0	19.4	3.10	33.3	18.8	3.23	31.6	18.1	3.38	29.6	17.5	3.54	27.9	17.1	3.70	
	67	32.4	25.3	2.91	30.7	24.8	3.04	29.0	24.2	3.20	27.4	23.3	3.35	25.7	22.7	3.51	
	62	30.5	29.6	2.79	29.3	28.3	2.95	27.6	27.0	3.10	26.5	25.7	3.26	24.8	24.2	3.45	
	57	30.5	29.6	2.79	29.3	28.3	2.95	27.6	27.0	3.10	26.5	25.7	3.26	24.8	24.2	3.45	

Sensible heat capacities shown are based on 80F DB entering air at the evaporator coil. For sensible heat capacities at other than 80F DB, deduct 84 BTUH per 100 CFM of evaporator coil air for each degree below 80F, or add 84 BTUH per 100 CFM of evaporator coil air per degree above 80F.

CAPACITIES AT 95F OUTDOOR., 75F DB AND 63F WB INDOOR
 TOTAL MBTUH 26.6 SENSIBLE MBTUH 20.8 LATENT MBTUH 5.9

PRODUCT SPECIFICATIONS

Expanded Ratings (Cooling)

Outdoor Unit PHK036-1 & 3

INDOOR AIR SCFM	WB	CONDENSER AIR TEMPERATURE														
		75F			85F			95F			105F			115F		
		Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH
1009	72	41.3	20.0	3.72	39.5	19.2	3.92	37.4	18.4	4.07	35.2	17.6	4.27	33.1	16.8	4.47
	67	37.7	24.8	3.48	36.0	24.0	3.64	34.2	23.2	3.84	32.0	22.4	4.03	29.9	22.4	4.23
	62	34.9	29.4	3.24	33.1	28.6	3.44	32.2	27.8	3.64	31.3	27.0	3.84	29.5	25.9	4.00
	57	33.5	31.8	3.16	32.0	30.4	3.36	30.6	29.1	3.56	28.8	27.5	3.80	27.4	25.9	3.96
1187	72	43.1	22.2	3.84	40.9	21.4	4.00	38.8	20.6	4.19	36.7	20.0	4.39	34.2	19.0	4.59
	67	39.5	28.3	3.60	37.7	27.5	3.76	35.6	26.7	3.96	33.5	25.9	4.15	31.3	25.1	4.35
	62	36.7	33.9	3.40	34.9	32.8	3.56	33.1	31.5	3.76	31.7	29.9	3.96	29.9	28.3	4.19
	57	36.3	34.4	3.36	34.5	33.1	3.56	33.1	31.5	3.76	31.7	29.9	3.96	29.9	28.3	4.19
1365	72	44.1	24.0	3.92	42.0	23.2	4.07	39.9	22.4	4.27	37.4	21.6	4.47	35.2	21.1	4.67
	67	40.9	31.2	3.68	38.8	30.7	3.84	36.7	29.9	4.03	34.5	28.8	4.23	32.4	28.0	4.43
	62	38.4	36.6	3.52	37.0	35.0	3.72	34.9	33.4	3.92	33.5	31.8	4.11	31.3	29.9	4.35
	57	38.4	36.6	3.52	37.0	35.0	3.72	34.9	33.4	3.92	33.5	31.8	4.11	31.3	29.9	4.35

Sensible heat capacities shown are based on 80F DB entering air at the evaporator coil.

For sensible heat capacities at other than 80F DB, deduct 84 BTUH per 100 CFM of evaporator coil air for each degree below 80F, or add 84 BTUH per 100 CFM of evaporator coil air per degree above 80F.

CAPACITIES AT 95F OUTDOOR., 75F DB AND 63F WB INDOOR

TOTAL MBTUH 33.6 SENSIBLE MBTUH 25.6 LATENT MBTUH 8.0

Outdoor Unit PHK042-1

Indoor Air SCFM	WB	Condenser Air Temperature														
		75F			85F			95F			105F			115F		
		Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh
1148	72	47.0	22.8	4.23	45.0	21.9	4.46	42.5	21.0	4.64	40.1	20.1	4.86	37.7	19.2	5.09
	67	42.9	28.3	3.96	40.9	27.4	4.14	38.9	26.4	4.37	36.5	25.5	4.59	34.0	25.5	4.82
	62	39.7	33.4	3.69	37.7	32.5	3.92	36.7	31.6	4.14	35.6	30.7	4.37	33.6	29.5	4.55
	57	38.1	36.2	3.60	36.5	34.7	3.83	34.8	33.1	4.05	32.8	31.3	4.32	31.2	29.5	4.50
1350	72	49.0	25.2	4.37	46.6	24.3	4.55	44.1	23.4	4.77	41.7	22.8	5.00	38.9	21.6	5.22
	67	45.0	32.2	4.10	42.9	31.3	4.28	40.5	30.4	4.50	38.1	29.5	4.73	35.6	28.6	4.95
	62	41.7	38.6	3.87	39.7	37.4	4.05	37.7	35.9	4.28	36.0	34.0	4.50	34.0	32.2	4.77
	57	41.3	39.2	3.83	39.3	37.7	4.05	37.7	35.9	4.28	36.0	34.0	4.50	34.0	32.2	4.77
1553	72	50.2	27.4	4.46	47.8	26.4	4.64	45.4	25.5	4.86	42.5	24.6	5.09	40.1	24.0	5.31
	67	46.6	35.6	4.19	44.1	35.0	4.37	41.7	34.0	4.59	39.3	32.8	4.82	36.9	31.9	5.04
	62	43.7	41.6	4.01	42.1	39.8	4.23	39.7	38.0	4.46	38.1	36.2	4.68	35.6	34.0	4.95
	57	43.7	41.6	4.01	42.1	39.8	4.23	39.7	38.0	4.46	38.1	36.2	4.68	35.6	34.0	4.95

Sensible heat capacities shown are based on 80F DB entering air at the evaporator coil.

For sensible heat capacities at other than 80F DB, deduct 84 BTUH per 100 CFM of evaporator coil air for each degree below 80F, or add 84 BTUH per 100 CFM of evaporator coil air per degree above 80F.

CAPACITIES AT 95F OUTDOOR., 75F DB AND 63F WB INDOOR

TOTAL MBTUH 38.2 SENSIBLE MBTUH 29.1 LATENT MBTUH 9.1

PRODUCT SPECIFICATIONS

Expanded Ratings (Cooling)

Outdoor Unit PHK048-1 & 3

INDOOR AIR SCFM	WB	CONDENSER AIR TEMPERATURE														
		75F			85F			95F			105F			115F		
		Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH	Total MBTUH	Sens MBTUH	Watts KWH
1303	72	53.4	26.4	4.80	51.1	25.3	5.06	48.3	24.3	5.26	45.5	23.2	5.52	42.8	22.2	5.78
	67	48.8	32.7	4.50	46.5	31.7	4.70	44.2	30.6	4.96	41.4	29.6	5.21	38.6	29.6	5.47
	62	45.1	38.7	4.19	42.8	37.7	4.45	41.6	36.6	4.70	40.5	35.6	4.96	38.2	34.1	5.16
	57	43.2	41.9	4.09	41.4	40.1	4.34	39.6	38.4	4.60	37.3	36.3	4.91	35.4	34.1	5.11
1533	72	55.7	29.2	4.96	52.9	28.2	5.16	50.1	27.1	5.42	47.4	26.4	5.67	44.2	25.0	5.93
	67	51.1	37.3	4.65	48.8	36.3	4.86	46.0	35.2	5.11	43.2	34.1	5.37	40.5	33.1	5.62
	62	47.4	44.7	4.40	45.1	43.3	4.60	42.8	41.5	4.86	40.9	39.4	5.11	38.6	37.3	5.42
	57	46.9	45.4	4.34	44.6	43.6	4.60	42.8	41.5	4.86	40.9	39.4	5.11	38.6	37.3	5.42
1763	72	57.0	31.7	5.06	54.3	30.6	5.26	51.5	29.6	5.52	48.3	28.5	5.78	45.5	27.8	6.03
	67	52.9	41.2	4.75	50.1	40.5	4.96	47.4	39.4	5.21	44.6	38.0	5.47	41.9	37.0	5.72
	62	49.7	48.2	4.55	47.8	46.1	4.80	45.1	44.0	5.06	43.2	41.9	5.32	40.5	39.4	5.62
	57	49.7	48.2	4.55	47.8	46.1	4.80	45.1	44.0	5.06	43.2	41.9	5.32	40.5	39.4	5.62

Sensible heat capacities shown are based on 80F DB entering air at the evaporator coil.
 For sensible heat capacities at other than 80F DB, deduct 84 BTUH per 100 CFM of evaporator coil air for each degree below 80F, or add 84 BTUH per 100 CFM of evaporator coil air per degree above 80F.

CAPACITIES AT 95F OUTDOOR., 75F DB AND 63F WB INDOOR
 TOTAL MBTUH 43.4 SENSIBLE MBTUH 33.8 LATENT MBTUH 9.6

Outdoor Unit PHK060-1 & 3

Indoor Air		Condenser Air Temperature														
SCFM	WB	75F			85F			95F			105F			115F		
		Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh	Total Mbtuh	Sens Mbtuh	Watts Kwh
1558	72	63.8	31.8	5.74	61.1	30.5	6.05	57.8	29.3	6.29	54.5	28.0	6.60	51.2	26.7	6.91
	67	58.3	39.4	5.38	55.6	38.2	5.62	52.8	36.9	5.93	49.5	35.6	6.23	46.2	35.6	6.54
	62	53.9	46.6	5.01	51.2	45.4	5.32	49.8	44.1	5.62	48.4	42.8	5.93	45.7	41.1	6.17
	57	51.7	50.5	4.89	49.5	48.3	5.19	47.3	46.2	5.50	44.6	43.7	5.87	42.4	41.1	6.11
1833	72	66.6	35.2	5.93	63.3	33.9	6.17	60.0	32.6	6.48	56.7	31.8	6.78	52.8	30.1	7.09
	67	61.1	44.9	5.56	58.3	43.7	5.81	55.0	42.4	6.11	51.7	41.1	6.42	48.4	39.9	6.72
	62	56.7	53.8	5.26	53.9	52.2	5.50	51.2	50.0	5.81	49.0	47.5	6.11	46.2	44.9	6.48
	57	56.1	54.7	5.19	53.4	52.6	5.50	51.2	50.0	5.81	49.0	47.5	6.11	46.2	44.9	6.48
2108	72	68.2	38.2	6.05	64.9	36.9	6.29	61.6	35.6	6.60	57.8	34.3	6.91	54.5	33.5	7.21
	67	63.3	49.6	5.68	60.0	48.8	5.93	56.7	47.5	6.23	53.4	45.8	6.54	50.1	44.5	6.84
	62	59.4	58.1	5.44	57.2	55.5	5.74	53.9	53.0	6.05	51.7	50.5	6.36	48.4	47.5	6.72
	57	59.4	58.1	5.44	57.2	55.5	5.74	53.9	53.0	6.05	51.7	50.5	6.36	48.4	47.5	6.72

Sensible heat capacities shown are based on 80F DB entering air at the evaporator coil.
 For sensible heat capacities at other than 80F DB, deduct 84 BTUH per 100 CFM of evaporator coil air for each degree below 80F, or add 84 BTUH per 100 CFM of evaporator coil air per degree above 80F.

CAPACITIES AT 95F OUTDOOR., 75F DB AND 63F WB INDOOR
 TOTAL MBTUH 51.9 SENSIBLE MBTUH 40.8 LATENT MBTUH 11.1

PRODUCT SPECIFICATIONS

Heating Performance @ 70 °F Inside Temperature

Model PHK024-1

OUTSIDE F	HEAT BTUH	KW	COP
62	32900	2.86	3.37
57	30000	2.74	3.21
52	26600	2.61	2.99
47	23800	2.49	2.80
42	20300	2.40	2.48
37	17500	2.30	2.23
32	15300	2.20	2.05
27	13600	2.09	1.94
22	12500	1.97	1.91
17	12000	1.85	1.90
12	11300	1.79	1.85
7	10700	1.77	1.77
2	10000	1.72	1.70
-3	9500	1.67	1.67

Model PHK030-1

OUTSIDE F	HEAT BTUH	KW	COP
62	37900	3.08	3.61
57	34500	2.95	3.43
52	31000	2.81	3.23
47	27400	2.68	3.00
42	23900	2.55	2.75
37	20700	2.43	2.50
32	18000	2.34	2.26
27	16000	2.27	2.06
22	14800	2.26	1.93
17	14600	2.25	1.90
12	13700	2.21	1.82
7	13000	2.16	1.77
2	12100	2.09	1.70
-3	11500	2.05	1.65

Model PHK036-1 & 3

OUTSIDE F	HEAT BTUH	KW	COP
62	47500	3.86	3.61
57	43000	3.66	3.45
52	38600	3.49	3.24
47	34400	3.36	3.00
42	30500	3.26	2.74
37	27000	3.18	2.49
32	24100	3.11	2.27
27	21900	3.05	2.10
22	20500	3.00	2.01
17	20000	2.93	2.00
12	18800	2.87	1.92
7	17900	2.81	1.86
2	16600	2.73	1.79
-3	15800	2.67	1.74

Model PHK042-1

OUTSIDE F	HEAT BTUH	KW	COP
62	55300	4.21	3.85
57	49800	3.93	3.71
52	44700	3.76	3.48
47	40000	3.66	3.20
42	35500	3.60	2.90
37	31300	3.51	2.61
32	27100	3.38	2.35
27	23000	3.15	2.14
22	18900	2.79	1.98
17	14600	2.25	1.90
12	13700	2.21	1.82
7	13000	2.16	1.77
2	12100	2.09	1.70
-3	11500	2.05	1.65

Model PHK048-1 & 3

OUTSIDE F	HEAT BTUH	KW	COP
62	76000	5.30	4.21
57	68900	4.99	4.05
52	61800	4.76	3.81
47	55000	4.61	3.50
42	48700	4.56	3.13
37	43000	4.52	2.79
32	38300	4.50	2.49
27	34700	4.49	2.27
22	32600	4.48	2.13
17	32000	4.47	2.10
12	30100	4.38	2.02
7	28600	4.29	1.95
2	26600	4.15	1.88
-3	25300	4.06	1.82

Model PHK060-1 & 3

OUTSIDE F	HEAT BTUH	KW	COP
62	76000	5.30	4.20
57	69200	5.07	4.00
52	61500	4.84	3.72
47	55000	4.61	3.50
42	47300	4.56	3.04
37	41200	4.52	2.67
32	36600	4.50	2.39
27	33500	4.49	2.19
22	32700	4.48	2.12
17	32000	4.47	2.10
12	30100	4.34	2.03
7	28600	4.27	1.96
2	26600	4.15	1.88
-3	25300	4.05	1.83

PRODUCT SPECIFICATIONS

Evaporator Blower Specifications

Model	Speed	Volts	E.S.P (In. of H ₂ O)											
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0		
PHK024-1A	LOW	230	CFM 690	675	-	-	-	-	-	-	-	-	-	-
		208	CFM 665	650	-	-	-	-	-	-	-	-	-	-
	MED	230	CFM 925	880	835	815	755	-	-	-	-	-	-	-
		208	CFM 900	900	860	840	785	755	-	-	-	-	-	-
	HIGH	230	CFM 1185	1175	1135	1085	1005	970	930	880	-	-	-	-
		208	CFM 1160	1155	1110	1060	980	945	895	835	-	-	-	-
PHK030-1A	LOW	230	CFM 1150	1120	1075	1005	955	870	770	-	-	-	-	
		208	CFM 1110	1080	1055	945	900	8100	-	-	-	-	-	
	MED	230	CFM 1275	1265	1210	1135	1070	985	855	-	-	-	-	
		208	CFM 1250	1245	1185	1110	1045	960	820	-	-	-	-	
	HIGH	230	CFM 1345	1335	1275	1210	1135	1035	925	785	-	-	-	
		208	CFM 1310	1315	1250	1175	1110	1010	890	740	-	-	-	
PHK036-X	LOW	230	CFM 1455	1415	1350	1290	1225	1165	1090	1045	-	-	-	
		208	CFM 1380	1345	1285	1225	1160	1090	1045	975	-	-	-	
	HIGH	230	CFM 1725	1630	1590	1560	1520	1400	1315	1245	1185	-	-	
		208	CFM 1640	1550	1515	1485	1445	1330	1250	1125	1065	-	-	
PHK042-1	LOW	230	CFM 1455	1415	1350	1290	1225	-	-	-	-	-	-	
		208	CFM 1380	1345	1285	1225	-	-	-	-	-	-	-	
	HIGH	230	CFM 1725	1630	1590	1560	1520	1400	1315	-	-	-	-	
		208	CFM 1640	1550	1515	1485	1445	1330	1250	-	-	-	-	
PHK048-X	LOW	230	CFM 1730	1685	1635	1580	1490	-	-	-	-	-	-	
		208	CFM 1610	1600	1580	1490	-	-	-	-	-	-	-	
	HIGH	230	CFM 1990	1960	1880	1795	1695	1595	-	-	-	-	-	
		208	CFM 1895	1865	1790	1710	1615	1520	-	-	-	-	-	
PHK060-X	LOW	230	CFM 2160	2125	2085	2025	1970	-	-	-	-	-	-	
		208	CFM 2055	2010	1985	1890	1870	-	-	-	-	-	-	
	HIGH	230	CFM 2540	2470	2310	2280	2220	2095	-	-	-	-	-	
		208	CFM 2425	2350	2200	2150	2120	1995	-	-	-	-	-	

NOTES:

1. Data shown is dry coil. Wet coil pressure drop is approximately 0.1" H₂O for 2-row indoor coil; 0.2" H₂O for 3-row indoor coil; and 0.3" H₂O for 4-row indoor coil.
2. Data shown does not include filter pressure drop, approximately 0.08" H₂O.
3. ALL MODELS SHOULD RUN NO LESS THAN 350 CFM / TON, USE HIGHER SPEED TAP OR NEXT SIZE LARGER BLOWER ASM. SEE REPAIR PARTS LIST.

PRODUCT SPECIFICATIONS

Chassis Size

SMALL	MEDIUM	LARGE
PHK024-1 PHK030-1	PHK036-X	PHK042-1 PHK048-X PHK060-X

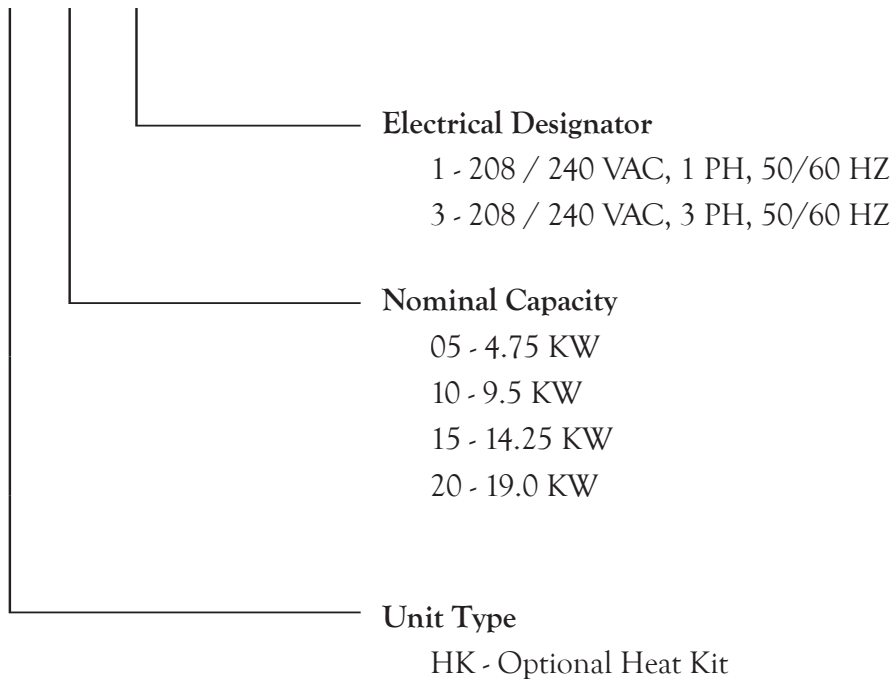
Accessories

	SMALL	MEDIUM	LARGE
Roof Curb	PCCP-1	PCCP2-3	PCCP2-3
Down Flow Plenum	PCP-1	PCP2-3	PCP2-3
Manual Fresh Air Damper	PCMD-1	PCMD2-3	PCMD2-3
Economizer - Down Flow	PCE-1	PCE2-3	PCE2-3
Square To Round Converter (Downflow)	SQRPC-1	SQRPC2-3	SQRPC2-3
Square To Round Converter (Horizontal)	SQRPCH-1	SQRPCH-2	SQRPCH-3
Elbow & Flashing	PCEF-1	PCEF2-3	PCEF2-3
Room Thermostat	CHT18-60	CHT18-60	CHT18-60

NOTE: Down Flow Plenum includes Filter Rack

Model Identification

HK 05 - 1



PRODUCT SPECIFICATIONS

Heat Kit Selection

MODEL	PHK024-1	PHK030-1	PHK036-1	PHK042-1	PHK048-1	PHK048-3	PHK060-1	PHK060-3
HK05-1	*	*	*	*	*	*	*	*
HK08-1	*	*	*	*	*	*	*	*
HH10-1	*	*	*	*	*	*	*	*
HK15-1		*	*	*	*	*	*	*
HK20-1			*	*	*	*	*	*

NOTE: X=1, 3 OR 4 Electrical Designator

Heat Kit Electrical Data

Model No.	Nominal K. W.	Heater Amp. 208/240V	Minimum Ampacity 208/240V	Maximum Overcurrent Protection 208/240V	Multiple Supply Circuit			
					Min. Ampacity per Circuit		Max. Overcurrent Protection	
					208/240V		208/240V	
					1	2	1	2
HK05-1*	4.75	17.2/19.8	22/25	30/30				
HK08-1*	7.00	25.3/29.2	32/37	60/60				
HK10-1*	9.50	34.4/39.6	43/50	60/60				
HK10-3	9.50	20.7/23.6	26/30	30/30				
HK15-1*	14.25	51.5/59.4	65/75	90/90	22/25	43/50	30/30	60/60
HK15-3	15.0	31.7/36.2	40/46	50/50				
HK15-4#	15.0	18.1	23	30				
HK20-1*	19.0	68.7/79.2	86/99	120/120	43/50	43/50	60/60	60/60
HK20-3	19.6	41.4/47.2	52/59	60/60				
HK20-4#	19.6	23.6	30	30				

* - Circuit Breaker Models

Ratings at 208/240 VAC, except where noted

- Ratings at 480 VAC, PH 3

KW Correction Factor

Supply Voltage	240	230	220	210	208
Correction Factor	1.00	0.93	0.85	0.78	0.76

(Multiply the 240 VAC capacity by factors)

