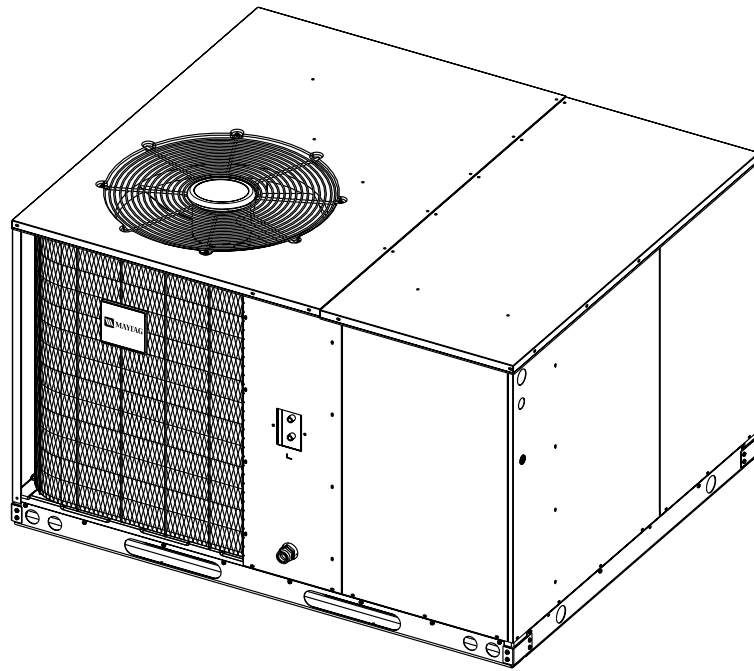




TECHNICAL SPECIFICATIONS

Model PPH1SC Series



M1010 Product Line

**Single Packaged Heat Pump
12 SEER - 3, 4 and 5 Ton Units**

- **10 YEAR WARRANTY**
- **WORRY-FREE PERFORMANCE**
- **5 YEAR DEPENDABILITY PROMISE**

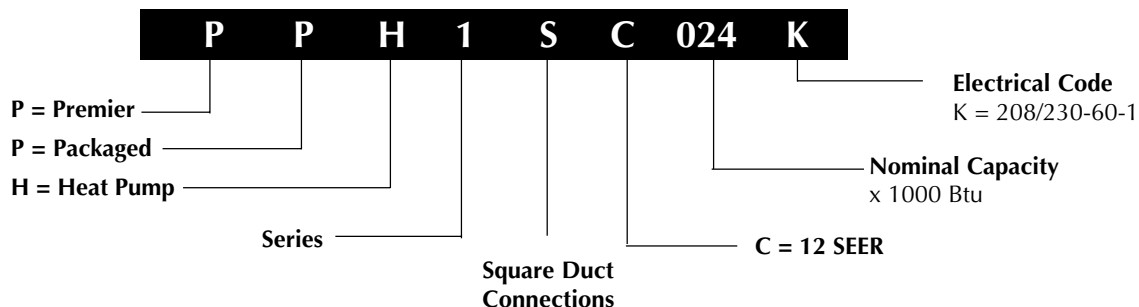


The PPH1SC Series single packaged heat pumps are high efficiency self contained cooling and heating units that can be installed on a roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed. The unit is truly designed with the contractor and the consumer in mind.

Features and Benefits

- **Compact Footprint/Low Profile**
Easy to handle and transport.
- **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.
- **Heavy-Gauge, Full Perimeter Base Rails**
Facilitates forklift handling and curb mounting.
- **Convertible Air Delivery**
Horizontal or downflow to accommodate rooftop or horizontal application.
- **Galvanized Steel Cabinet** – Unit is trimmed in a silicone-protected polyester finish with a 950 hour salt spray finish that resists corrosion 50% better than comparable units.
- **Plastic Coated Coil Guard and Mesh Hail Guard**
Will never rust and protects the coil from being damaged by balls, lawnmowers, hail etc.
- **Externally Accessible Service Ports**
Quick access to refrigerant system without disrupting operation.
- **Access to Controls and Major Components**
Easy in and out service.
- **Corrosion-Resistant Drain Pan**
Quickly drains away evaporator condensate.
- **Service Access Panels**
Allows easy access to all major components and the compressor. Designed to make servicing easier for the Contractor.
- **Easy to Install**
Electric heat strip provides up to 20 KW of heat output.
- **Proven, Industry Standard Components**
Easier service and availability.
- **Quiet Operation and Low Vibration**
20" fan blade combined with custom venturi condenser fan.
- **Accessories**
Roof curbs and more.
- **Time / Temperature Defrost** – A reliable, industry standard control offers various time settings to meet any type climate.
- **Low Pressure Control** – Loss of charge protection ensures long compressor life.
- **10 Year Residential Parts and Labor Warranty and 5 Year Dependability Promise**
The best warranty in the business.

IDENTIFICATION CODE



SPECIFICATIONS

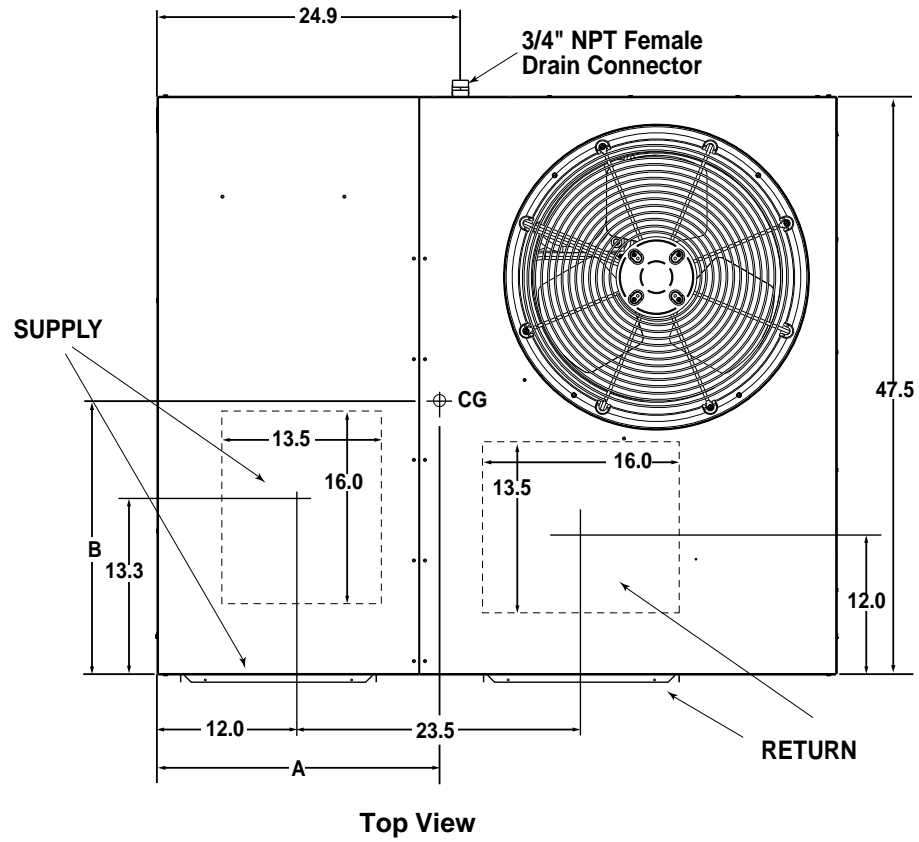
Model Number	PPH1SC		
	036K	048K	060K
Performance			
Capacity - Heating BTUH	34,000	46,000	56,000
Efficiency - HSPF	7.20	6.80	7.20
Capacity -Cooling BTUH	36,000	46,000	59,000
Efficiency - SEER	12.00	12.00	12.00
EER (Btuh/watt)	10.70	10.20	10.30
Electrical Rating - 60 Hz			
Phase	1	1	1
Operating Voltage Range	187 - 253	187 - 253	187 - 253
Compressor Data			
Volts	208 / 230	208 / 230	208 / 230
Rated Load Amps	17.9	21.4	32.1
Lock Rotor Amps	88	137	169
Indoor Blower			
Type / No. of Speeds	DD / 3	DD / 3	DD / 3
Motor - HP / RPM	1/4-1100	1/2 - 1100	1/2 - 1100
Motor - Amps	1.3	3.1	3.1
Outdoor Fan			
Motor - HP / RPM	1/4 - 1100	1/4 - 1100	1/3 - 1100
Motor - Amps	1.2	1.2	1.5
Fan Diameter / CFM	20 / 3800	20 / 3800	20 / 4000
Refrigerant Charge - Oz.			
	102	221	260
Net Weight lbs.			
	455	565	575
Shipping Weight lbs.			
	465	575	585

BLOWER PERFORMANCE

Model PPH1SC	Speed	External Static Pressure Drop - inches water column							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
036	High	1600	1510	1410	1310	1200	1070	930	760
	Medium	1410	1330	1250	1150	1050	940	820	670
	Low	1130	1070	1000	930	850	760	650	530
048	High	2270	2200	2140	2070	2000	1930	1850	1770
	Medium	2000	1940	1890	1830	1760	1700	1630	1560
	Low	1600	1560	1510	1460	1410	1360	1310	1250
060	High	2270	2200	2140	2070	2000	1930	1850	1770
	Medium	2000	1940	1890	1830	1760	1700	1630	1560
	Low	1600	1560	1510	1460	1410	1360	1310	1250

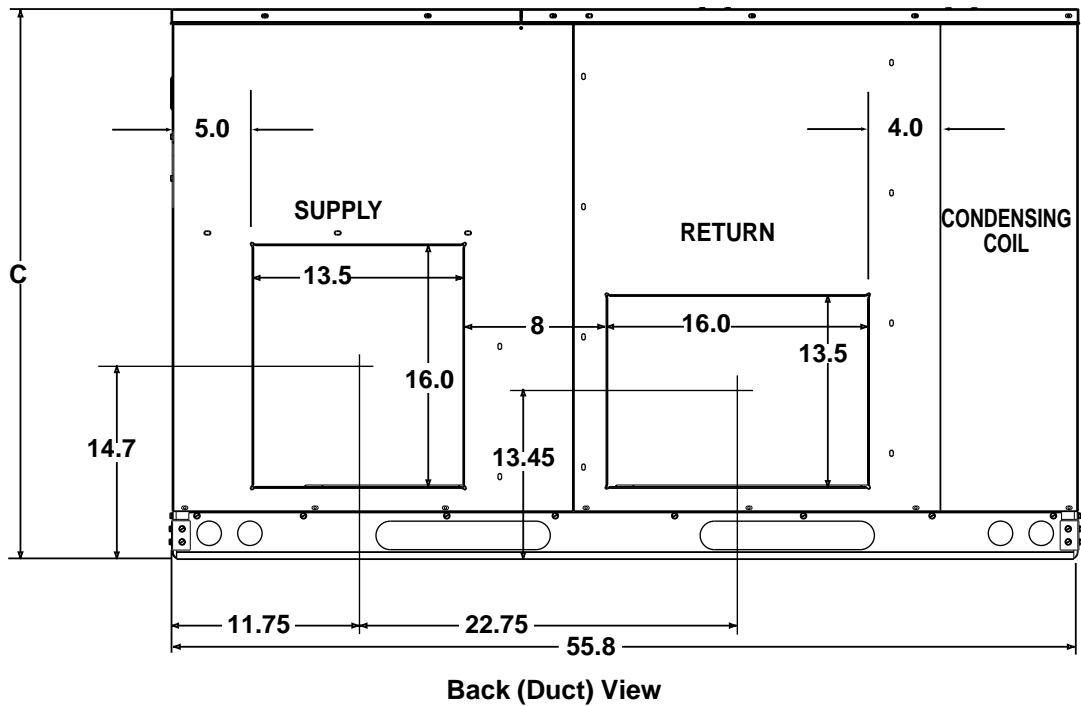
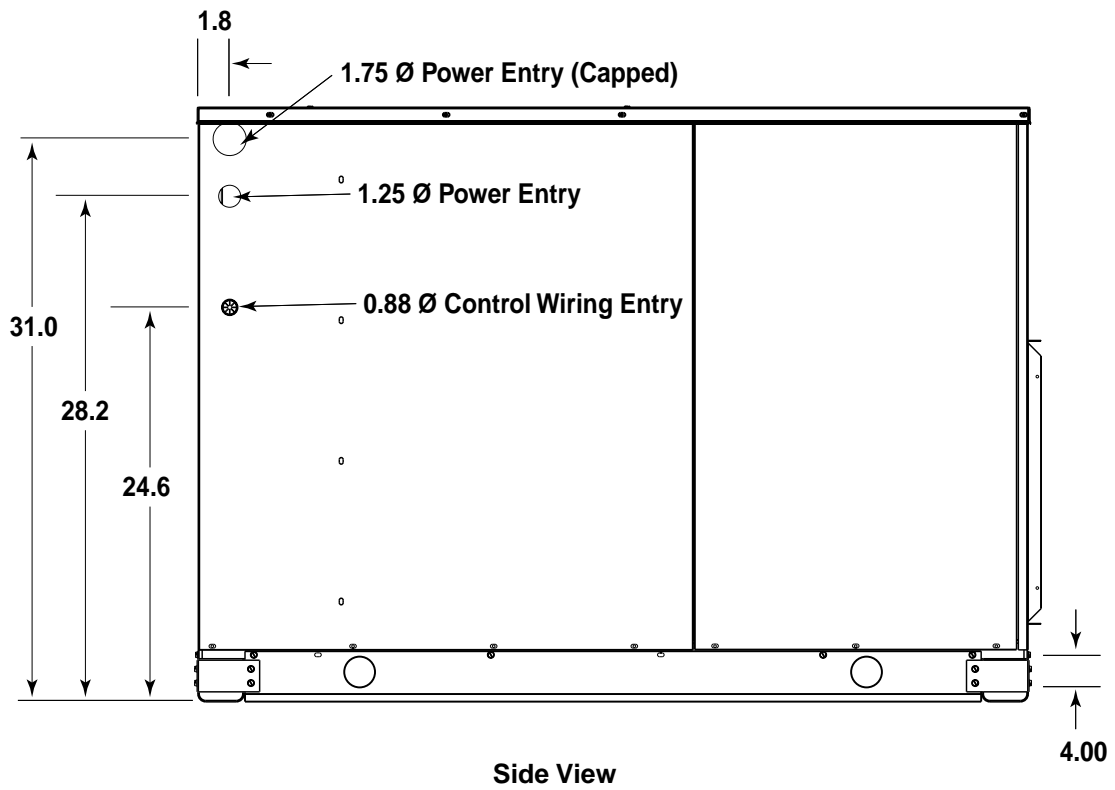
Note: Airflow performance is for net coil

DIMENSIONS



Model Number PPH1SC	Unit Weight	Center of Gravity		Height (in inches)	
		A	B	C	
				w/ base rails	w/out base rails
036	455	28.0	25.5	36.0	31.3
048	565	29.5	26.0	40.0	35.3
060	575	29.5	26.0	40.0	35.3

DIMENSIONS continued



ELECTRICAL DATA

Model Number	Heater Installed Nom. KW	Multiple Supply Circuit Option															
		Circuit A (Compressor & Fan)					Circuit B (Blower & Heater)					Circuit C (Heater Only)					
		Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Minimum Circuit Amp.	Maximum Over-current Rating	Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Minimum Circuit Amp.	Maximum Over-current Rating	Rec Wire Gauge (60°C Cu)	Rec Wire Gauge (75°C Cu)	Rec Wire Gauge (90°C Cu)	Minimum Circuit Amp.	Maximum Over-current Rating	
PPH1SC036K	0	10	10	10	35	-	-	-	-	-	-	-	-	-	-	-	
	5	6	8	8	50	-	-	-	-	-	-	-	-	-	-	-	
	8	4	6	6	70	21.2	10	10	35	40.9	6	8	8	-	45	-	
	10	3	4	6	80	21.2	10	10	35	51.3	6	6	8	-	60	-	
	15	1	3	3	100	46.2	6	8	8	51.3	6	6	8	-	60	-	
PPH1SC048K	0	8	8	8	50	-	-	-	-	-	-	-	-	-	-	-	
	5	4	6	6	70	28	10	10	45	28.1	10	10	10	-	30	-	
	8	3	4	6	80	28	10	10	45	42.7	6	8	8	-	45	-	
	10	3	4	4	90	28	10	10	45	53.1	6	6	8	-	60	-	
	15	1	2	3	110	28	10	10	45	53.1	6	6	8	25	10	10	30
PPH1SC060K	0	00	0	1	150	28	10	10	45	53.1	6	6	8	50	6	8	60
	5	6	8	8	60	-	-	-	-	-	-	-	-	-	-	-	-
	8	4	4	6	80	37.5	8	8	60	28.1	10	10	10	-	30	-	
	10	3	4	4	100	37.5	8	8	60	42.7	6	8	8	-	45	-	
	15	2	3	4	100	37.5	8	8	60	53.1	6	6	8	-	60	-	
PPH1SC048K	15	0	1	2	125	37.5	8	8	60	53.1	6	6	8	25	10	10	30
	20	00	0	1	150	37.5	8	8	60	53.1	6	6	8	50	6	8	60
	20	00	0	1	150	37.5	8	8	60	53.1	6	6	8	50	6	8	60

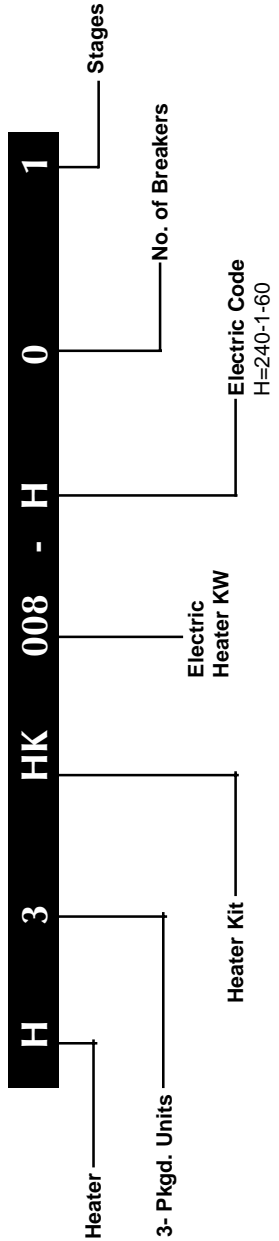
*When overcurrent rating exceeds 60, internal circuit breakers must be installed in addition to branch circuit protection at distribution panel.

HEATER APPLICATION MATRIX

Model Number	H3HK-005H-01	H3HK-008H-01	H3HK-010H-01	H3HK-015H-01	H3HK-020H-01	H3HK-015H-21	H3HK-020H-21
	917166	917167	917168	917169	917170	917172	917173
PPH1SC030K	X	X	X(2)	X(2)	NA	X	NA
PPH1SC036K	X	X	X(2)	X(2)	NA	X	NA
PPH1SC042K	X(2)	X(2)	X(2)	X(3)	X(3)	X(1)	X(1)
PPH1SC048K	X(2)	X(2)	X(2)	X(3)	X(3)	X(1)	X(1)
PPH1SC060K	X(2)	X(2)	X(2)	X(3)	X(3)	X(1)	X(1)

NA = Not Applicable.
() = Number of internal circuit breaker kits required.

IDENTIFICATION CODE



ACCESSORIES

Description	Part Number
Roof Curb (8")	547830
Roof Curb (14")	547831
Roof Curb (18")	547850
Roof Curb (24")	547851
Filter Rack, All Downflow Applications (not required with economizer)	547885
Filter Kit (not required with economizer) for Horizontal Applications PPH1SC 036	547888
Filter Kit (not required with economizer) for Horizontal Applications PPH1SC 048K - 060K	547889
Universal Hard Start Kit	912933
High Pressure Switch Kit	913550
Low Ambient Kit	913549A
P-Trap Kit	913810
Outdoor Thermostat Kit	913852



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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