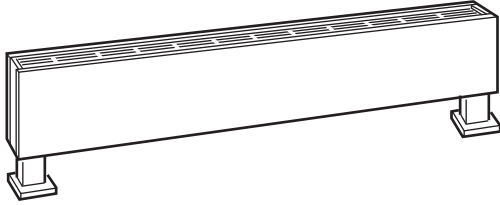




470 Beauty Spot Rd. E, Bennettsville, SC 29512



SUBMITTAL SHEET TYPE CPH COMMERCIAL PEDESTAL CONVECTION HEATERS

DIMENSIONS

| Type | Height | Width | Length |
|--------|--------|-------|------------|
| CPH05A | 5-1/2" | 3" | 28" to 10' |
| CPH07A | 7" | 5" | 28" to 10' |



FILE #37116

TYPE CPH - COMMERCIAL PEDESTAL CONVECTION HEATERS

| ITEM | QTY. | CATALOG NUMBER | TAG | LENGTH | NO. OF ELEMENTS | WATTS | VOLTS | Ø | AMPS | BUILT-IN CONTROLS |
|------|------|----------------|-----|--------|-----------------|-------|-------|---|------|-------------------|
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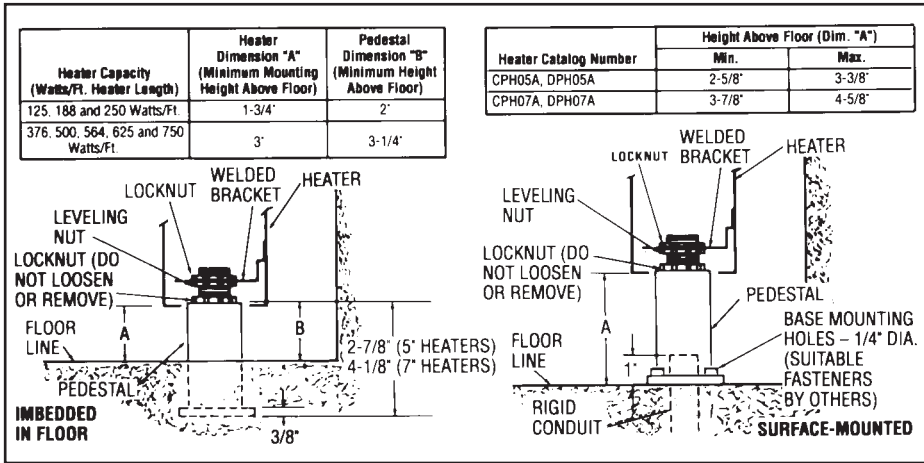
ACCESSORIES
AND
CONTROLS

| ITEM | QTY. | CAT. NO. | TAG | DESCRIPTION |
|------|------|----------|-----|-------------|
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Pedestals



ACCESSORIES

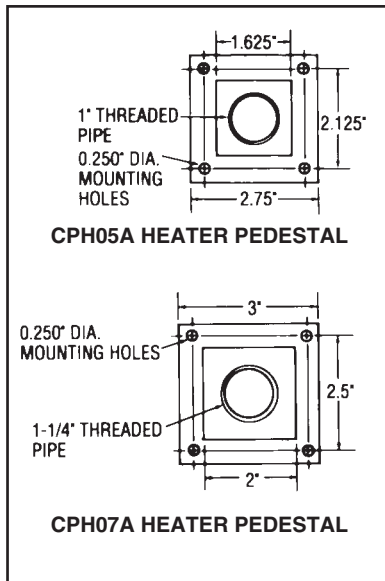
| CATALOG NUMBER | USE W/DSH | DIMENSIONS (inches) | | | | | | |
|---|---|---------------------|-------|-------|-----|---|----|----|
| | | H | D | L | N* | | | |
| LEFT END CAPS | | | | | | | | |
| CSH05-ECL** | CPH05A | 5-1/2 | 2-1/2 | — | 1/8 | | | |
| CSH07-ECL** | CPH07A | 7 | 4-3/4 | — | 1/8 | | | |
| RIGHT END CAPS | | | | | | | | |
| CSH05-ECR** | CPH05A | 5-1/2 | 2-1/2 | — | 1/8 | | | |
| CSH07-ECR** | CPH07A | 7 | 4-3/4 | — | 1/8 | | | |
| PEDESTAL LEGS (FOR CPH05A HEATERS) | | | | | | | | |
| PHB05-2** | 2', 3', & 4' heaters and blank sections | | | | | | | |
| PHB05-3** | 5', 6', & 8' heaters and blank sections | | | | | | | |
| PHB05-4** | 10' heaters and blank sections | | | | | | | |
| PEDESTAL LEGS (FOR CPH07 HEATERS) | | | | | | | | |
| PHB07-2** | 2', 3', & 4' heaters and blank sections | | | | | | | |
| PHB07-3** | 5', 6', & 8' heaters and blank sections | | | | | | | |
| PHB07-4** | 10' heaters and blank sections | | | | | | | |
| BLANK SECTIONS (CPH05) | | | | | | | | |
| CPH05-BL2-1 | CPH05 | 5-1/2 | 3 | 28 | 28 | | | |
| CPH05-BL3-1 | | | | 36 | 36 | | | |
| CPH05-BL4-1 | | | | 48 | 48 | | | |
| CPH05-BL5-1 | | | | 60 | 60 | | | |
| CPH05-BL6-1 | | | | 72 | 72 | | | |
| CPH05-BL8-1 | | | | 96 | 96 | | | |
| CPH05-BL10-1 | | | | 120 | 120 | | | |
| BLANK SECTIONS (CPH07) | | | | | | | | |
| CPH07-BL2-1 | | | | CPH07 | 7 | 5 | 28 | 28 |
| CPH07-BL3-1 | | | | | | | 36 | 36 |
| CPH07-BL4-1 | 48 | 48 | | | | | | |
| CPH07-BL5-1 | 60 | 60 | | | | | | |
| CPH07-BL6-1 | 72 | 72 | | | | | | |
| CPH07-BL8-1 | 96 | 96 | | | | | | |
| CPH07-BL10-1 | 120 | 120 | | | | | | |

*N is the additional length the accessory adds to the total installation length.

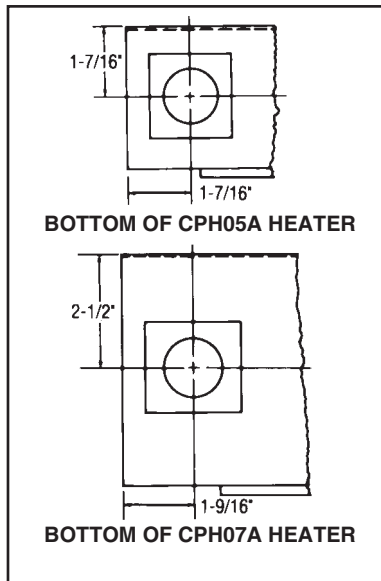
** PHB = Painted pedestal base.

*** Built-in duplex receptacle available. See page 3.

Pedestals Details

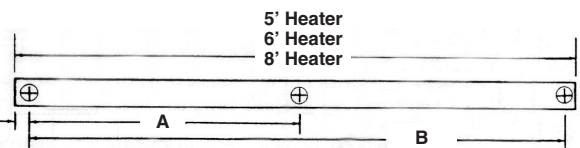
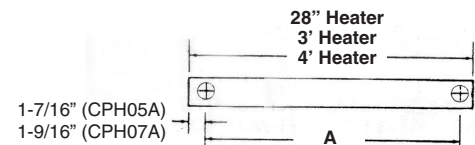


Pedestals Location

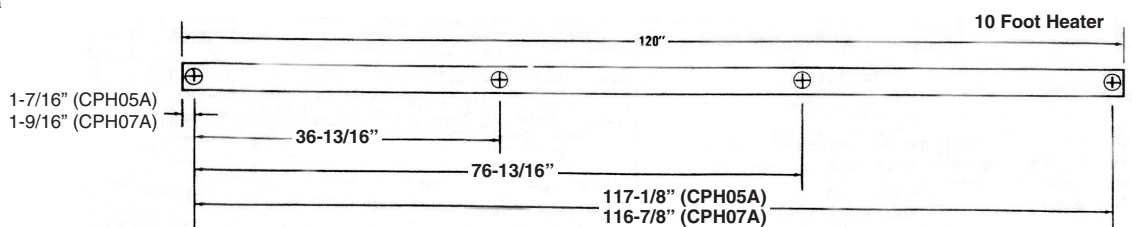


Pedestal Location

| Heater Length | CPH05A | | CPH07A | |
|---------------|-----------|---------|-----------|---------|
| | A | B | A | B |
| 28" | 25-1/8" | n/a | 24-7/8" | n/a |
| 3' | 33-1/8" | n/a | 32-7/8" | n/a |
| 4' | 45-1/8" | n/a | 44-7/8" | n/a |
| 5' | 28-13/16" | 57-1/8" | 28-13/16" | 56-7/8" |
| 6' | 32-13/16" | 69-1/8" | 32-13/16" | 68-7/8" |
| 8' | 44-13/16" | 93-1/8" | 44-13/16" | 92-7/8" |



*** WHEN BUTTING HEATERS, LEAVE A 1/16" GAP BETWEEN HEATERS TO ALLOW FOR EXPANSION.**



CPH-05A SPECIFICATIONS

| LENGTH | AMPERAGE | | | | | | NOMINAL WATTS/FT. | TOTAL HEATING CAPACITY | | NO. OF ELEMENTS | CATALOG NUMBER |
|--------------|----------|------|------|------|------|------|-------------------|------------------------|--------|-----------------|---|
| | 120V | 208V | 240V | 277V | 347V | 600V | | WATTS | BTU/HR | | |
| 28" (711mm) | 2.1 | 1.2 | 1.0 | 0.9 | 0.7 | 0.4 | 125 | 250 | 853 | One | CPH05A2125 CPH05A2188 CPH05A2250 |
| | 3.1 | 1.8 | 1.6 | 1.4 | 1.1 | 0.6 | 188 | 375 | 1,280 | | |
| | 4.2 | 2.4 | 2.1 | 1.8 | 1.4 | 0.8 | 250 | 500 | 1,706 | | |
| 3' (914mm) | 3.1 | 1.8 | 1.6 | 1.4 | 1.1 | 0.6 | 125 | 375 | 1,280 | One | CPH05A3125 CPH05A3188 CPH05A3250 |
| | 4.7 | 2.7 | 2.4 | 2.0 | 1.6 | 0.9 | 188 | 564 | 1,925 | | |
| | 6.2 | 3.6 | 3.1 | 2.7 | 2.2 | 1.2 | 250 | 750 | 2,560 | | |
| 4' (1219mm) | 4.2 | 2.4 | 2.1 | 1.8 | 1.4 | 0.8 | 125 | 500 | 1,706 | One | CPH05A4125 CPH05A4188 CPH05A4250 |
| | 6.2 | 3.6 | 3.1 | 2.7 | 2.2 | 1.2 | 188 | 750 | 2,560 | | |
| | 8.3 | 4.8 | 4.2 | 3.6 | 2.9 | 1.7 | 250 | 1,000 | 3,412 | | |
| 5' (1524mm) | 5.2 | 3.0 | 2.6 | 2.3 | 1.8 | 1.0 | 125 | 625 | 2,133 | One | CPH05A5125 CPH05A5188 CPH05A5250 |
| | 7.8 | 4.5 | 3.9 | 3.4 | 2.7 | 1.6 | 188 | 940 | 3,208 | | |
| | 10.4 | 6.0 | 5.2 | 4.5 | 3.6 | 2.1 | 250 | 1,250 | 4,266 | | |
| 6' (1829mm) | 6.2 | 3.6 | 3.1 | 2.7 | 2.2 | 1.2 | 125 | 750 | 2,560 | One | CPH05A6125 CPH05A6188 CPH05A6250 |
| | 9.4 | 5.4 | 4.7 | 4.1 | 3.2 | 1.9 | 188 | 1,125 | 3,840 | | |
| | 12.5 | 7.2 | 6.3 | 5.4 | 4.3 | 2.5 | 250 | 1,500 | 5,120 | | |
| 8' (2438mm) | — | 4.8 | 4.2 | 3.6 | 2.8 | 1.7 | 125 | 1,000 | 3,412 | One | CPH05A8125 CPH05A8188 CPH05A8250 |
| | — | 7.2 | 6.3 | 5.4 | 4.3 | 2.5 | 188 | 1,500 | 5,120 | | |
| | — | 9.6 | 8.3 | 7.2 | 5.8 | 3.3 | 250 | 2,000 | 6,824 | | |
| 10' (3048mm) | — | 6.0 | 5.2 | 4.5 | 3.6 | 2.1 | 125 | 1,250 | 4,266 | One | CPH05A10125 CPH05A10188 CPH05A10250 |
| | — | 9.0 | 7.8 | 6.8 | 5.4 | 3.1 | 188 | 1,875 | 6,400 | | |
| | — | 12.0 | 10.4 | 9.0 | 7.2 | 4.2 | 250 | 2,500 | 8,532 | | |

Optional Built-in Control Specifications

| Optional built-in Control (CATALOG No. Suffix) | Ratings |
|---|---|
| 1-Pole Thermostat (-T) | Thermostat adjustable through grill; tamper resistant; range 60-120°F; rated 24 amps @ 120-240 VAC and 22 amps @ 277 VAC; Pilot Duty rating of 125 VA @ 24-277 VAC. |
| 2-Pole Thermostat (-2T) | Thermostat adjustable through grill; tamper resistant; range 60-120°F; rated 24 amps @ 120-240 VAC and 22 amps @ 277 VAC; Pilot Duty rating of 125 VA @ 24-277 VAC. |
| 2-Stage Thermostat (-2ST) | Thermostat adjustable through grill; tamper resistant; range 60-120°F; rating (per stage) 24 amps @ 120-240 VAC and 22 amps @ 277 VAC; Pilot Duty (per stage) 125 VA @ 24-277 VAC; 3°F differential between stages. |
| Disconnect Switch* (-DS) | Disconnect switch energized through grill; Tamper resistant; double pole single throw switch rated 20 amps (per pole) @ 120-277 VAC. |
| Transformer Relay (-TR) | Single pole relay with 24 volts holding coil and built-in transformer; relay contacts rated 24 amp @ 120-240 VAC and 22 amps @ 277 VAC for 07 and 14 units; 22 amps @ 120-240 VAC and 19 amps @ 277 VAC for 05 units. 24 volt control. |
| Power Relay (-PR) | Single pole magnetic relay rated 25 amps @ 120-277 VAC; available with 24, 120, 208/240, or 277 VAC holding coil. |
| 1-Pole Thermostat and Disconnect Switch (-TDS) | Line voltage control, both thermostat and disconnect in power circuit; thermostat adjustable through grill (range 60-120°F); disconnect switch energized through grill; control combination rated 20 amps @ 120-277 VAC. |
| Disconnect Switch and Transformer Relay (-DSTR) | Line voltage control (requires a remote 24V Pilot Duty thermostat); both disconnect switch and transformer relay in power circuit; disconnect switch energized through grill; control combination rated 20 amps @ 120-240 VAC and 19 amps @ 277 VAC. |
| Disconnect Switch and Power Relay (-DSPR) | Line voltage control; both disconnect switch and power relay in power circuit; requires a remote control voltage and thermostat for power relay (holding coil voltages available: 24, 120, 208/240, 277 VAC); disconnect switch energized through grill. Control combination rated 18 amps @ 120-277 VAC. |
| Pilot Duty Thermostat (-PDT) | Thermostat adjustable through grill; tamper resistant; range 60-120°F; thermostat (rated 125 VA @ 24-277 VAC) is wired for Pilot Duty operation of Power Relay (PR) or Transformer Relay (TR). See circuit amperage restrictions with -PR or -TR. |
| 120V Duplex Receptacle (-R) | 20 amp duplex receptacle built into left or right end cap or 6, 9, 12 or 18-inch filler section. |

CPH07A SELECTION CHART

| LENGTH | AMPERAGE | | | | | | | | NOMINAL WATTS/FT. | TOTAL HEATING CAPACITY | | NO. OF ELEMENTS | CATALOG NUMBER | |
|--------------|--------------|------|------|------|------|------|------|------|-------------------|------------------------|--------|-----------------|--|---|
| | 208V | | 240V | | 277V | | 347V | | | 600 | WATTS | | | BTU/HR |
| | 1Ø | 3Ø | 1Ø | 3Ø | 1Ø | 1Ø | 1Ø | 3Ø | | | | | | |
| 28" (711mm) | 1.2 | — | 1.0 | — | 0.9 | 0.7 | 0.4 | — | 125 | 250 | 853 | One | CPH07A2125 CPH07A2188 CPH07A2250 | |
| | 1.8 | — | 1.6 | — | 1.4 | 1.1 | 0.6 | — | 188 | 375 | 1,280 | | | |
| | 2.4 | — | 2.1 | — | 1.8 | 1.4 | 0.8 | — | 250 | 500 | 1,706 | | | |
| | 3.6 | — | 3.1 | — | 2.7 | 2.2 | 1.2 | — | 375 | 750 | 2,560 | Two | CPH07A2375 CPH07A2500 | |
| | 4.8 | — | 4.2 | — | 3.6 | 2.9 | 1.7 | — | 500 | 1,000 | 3,412 | | | |
| | 5.4 | 3.1 | 4.7 | 2.7 | 4.1 | 3.2 | 1.9 | 1.1 | 564 | 1,125 | 3,840 | | | |
| 3' (914mm) | 6.0 | 3.5 | 5.2 | 3.0 | 4.5 | 3.6 | 2.1 | 1.2 | 625 | 1,250 | 4,266 | Three | CPH07A2564 CPH07A2625 CPH07A2750 | |
| | 7.2 | 4.2 | 6.3 | 3.6 | 5.4 | 4.3 | 2.5 | 1.4 | 750 | 1,500 | 5,120 | | | |
| | 1.8 | — | 1.6 | — | 1.4 | 1.1 | 0.6 | — | 125 | 375 | 1,280 | | | One |
| | 2.7 | — | 2.4 | — | 2.0 | 1.6 | 0.9 | — | 188 | 564 | 1,925 | | | |
| | 3.6 | — | 3.1 | — | 2.7 | 2.2 | 1.2 | — | 250 | 750 | 2,560 | | | |
| | 4' (1219mm) | 5.4 | — | 4.7 | — | 4.1 | 3.2 | 1.9 | — | 375 | 1,125 | 3,840 | Two | CPH07A3375 CPH07A3500 |
| 7.2 | | — | 6.3 | — | 5.4 | 4.3 | 2.5 | — | 500 | 1,500 | 5,120 | | | |
| 8.1 | | 4.7 | 7.0 | 4.1 | 6.1 | 4.8 | 2.8 | 1.6 | 564 | 1,690 | 5,768 | | | |
| 5' (1524mm) | | 9.0 | 5.2 | 7.8 | 4.5 | 6.8 | 5.4 | 3.1 | 1.8 | 625 | 1,875 | 6,400 | Three | CPH07A3564 CPH07A3625 CPH07A3750 |
| | | 10.8 | 6.3 | 9.4 | 5.4 | 8.1 | 6.5 | 3.7 | 2.1 | 750 | 2,250 | 7,680 | | |
| | | 2.4 | — | 2.1 | — | 1.8 | 1.4 | 0.8 | — | 125 | 500 | 1,706 | | |
| | 3.6 | — | 3.1 | — | 2.7 | 2.2 | 1.2 | — | 188 | 750 | 2,560 | | | |
| | 4.8 | — | 4.2 | — | 3.6 | 2.9 | 1.7 | — | 250 | 1,000 | 3,412 | | | |
| | 6' (1829mm) | 7.2 | — | 6.3 | — | 5.4 | 4.3 | 2.5 | — | 375 | 1,500 | 5,120 | Two | CPH07A4375 CPH07A4500 |
| 9.6 | | — | 8.3 | — | 7.2 | 5.8 | 3.3 | — | 500 | 2,000 | 6,824 | | | |
| 10.8 | | 6.3 | 9.4 | 5.4 | 8.1 | 6.5 | 3.7 | 2.1 | 564 | 2,250 | 7,680 | | | |
| 7' (2134mm) | | 12.0 | 7.0 | 10.4 | 6.0 | 9.0 | 7.2 | 4.2 | 2.4 | 625 | 2,500 | 8,532 | Three | CPH07A4625 CPH07A4750 |
| | | 14.4 | 8.3 | 12.5 | 7.2 | 10.8 | 8.6 | 5.0 | 2.9 | 750 | 3,000 | 10,239 | | |
| | | 3.0 | — | 2.6 | — | 2.3 | 1.8 | 1.0 | — | 125 | 625 | 2,133 | | |
| | 4.5 | — | 3.9 | — | 3.4 | 2.7 | 1.6 | — | 188 | 940 | 3,208 | | | |
| | 6.0 | — | 5.2 | — | 4.5 | 3.6 | 2.1 | — | 250 | 1,250 | 4,266 | | | |
| | 8' (2438mm) | 9.0 | — | 7.8 | — | 6.8 | 5.4 | 3.1 | — | 375 | 1,875 | 6,400 | Two | CPH07A5375 CPH07A5500 |
| 12.0 | | — | 10.4 | — | 9.0 | 7.2 | 4.2 | — | 500 | 2,500 | 8,532 | | | |
| 13.6 | | 7.8 | 11.8 | 6.8 | 10.2 | 8.1 | 4.7 | 2.7 | 564 | 2,820 | 9,625 | | | |
| 9' (2743mm) | | 15.0 | 8.7 | 13.0 | 7.5 | 11.3 | 9.0 | 5.2 | 3.0 | 625 | 3,125 | 10,665 | Three | CPH07A5564 CPH07A5625 CPH07A5750 |
| | | 18.0 | 10.4 | 15.6 | 9.0 | 13.5 | 10.8 | 6.2 | 3.6 | 750 | 3,750 | 12,800 | | |
| | | 3.6 | — | 3.1 | — | 2.7 | 2.2 | 1.2 | — | 125 | 750 | 2,560 | | |
| | 5.4 | — | 4.7 | — | 4.1 | 3.2 | 1.9 | — | 188 | 1,125 | 3,840 | | | |
| | 7.2 | — | 6.3 | — | 5.4 | 4.3 | 2.5 | — | 250 | 1,500 | 5,120 | | | |
| | 10' (3048mm) | 10.8 | — | 9.4 | — | 8.1 | 6.5 | 3.7 | — | 375 | 2,250 | 7,680 | Two | CPH07A6375 CPH07A6500 |
| 14.4 | | — | 12.5 | — | 10.8 | 8.6 | 5.0 | — | 500 | 3,000 | 10,239 | | | |
| 16.3 | | 9.4 | 14.1 | 8.1 | 12.2 | 9.7 | 5.6 | 3.2 | 564 | 3,380 | 11,535 | | | |
| 12' (3658mm) | | 18.0 | 10.4 | 15.6 | 9.0 | 13.5 | 10.8 | 6.2 | 3.6 | 625 | 3,750 | 12,800 | Three | CPH07A6564 CPH07A6625 CPH07A6750 |
| | | 21.6 | 12.5 | 18.8 | 10.8 | 16.2 | 12.9 | 7.5 | 4.3 | 750 | 4,500 | 15,358 | | |
| | | 4.8 | — | 4.2 | — | 3.6 | 2.9 | 1.7 | — | 125 | 1,000 | 3,412 | | |
| | 7.2 | — | 6.3 | — | 5.4 | 4.3 | 2.5 | — | 188 | 1,500 | 5,120 | | | |
| | 9.6 | — | 8.3 | — | 7.2 | 5.8 | 3.3 | — | 250 | 2,000 | 6,824 | | | |
| | 14' (4268mm) | 14.4 | — | 12.5 | — | 10.8 | 8.6 | 5.0 | — | 375 | 3,000 | 10,239 | Two | CPH07A8375 CPH07A8500 |
| 19.2 | | — | 16.7 | — | 14.4 | 11.5 | 6.7 | — | 500 | 4,000 | 13,652 | | | |
| 21.6 | | 12.5 | 18.8 | 10.8 | 16.2 | 13.0 | 7.5 | 4.3 | 564 | 4,500 | 15,358 | | | |
| 16' (4878mm) | | 24.0 | 13.9 | 20.8 | 12.0 | 18.1 | 14.4 | 8.3 | 4.8 | 625 | 5,000 | 17,065 | Three | CPH07A8564 CPH07A8625 CPH07A8750 |
| | | 28.8 | 16.7 | 25.0 | 14.5 | 21.7 | 17.3 | 10.0 | 5.8 | 750 | 6,000 | 20,478 | | |
| | | 6.0 | — | 5.2 | — | 4.5 | 3.6 | 2.1 | — | 125 | 1,250 | 4,266 | | |
| | 9.0 | — | 7.8 | — | 6.8 | 5.4 | 3.1 | — | 188 | 1,875 | 6,400 | | | |
| | 12.0 | — | 10.4 | — | 9.0 | 7.2 | 4.2 | — | 250 | 2,500 | 8,532 | | | |
| | 18' (5491mm) | 18.0 | — | 15.6 | — | 13.5 | 10.8 | 6.2 | — | 375 | 3,750 | 12,800 | Two | CPH07A10375 CPH07A10500 |
| 24.0 | | — | 20.8 | — | 18.1 | 14.4 | 8.3 | — | 500 | 5,000 | 17,065 | | | |
| 27.1 | | 15.7 | 23.5 | 13.6 | 20.4 | 16.2 | 9.4 | 5.4 | 564 | 5,640 | 19,250 | | | |
| 20' (6096mm) | | 30.0 | 17.4 | 26.0 | 15.0 | 22.6 | 18.0 | 10.4 | 6.0 | 625 | 6,250 | 21,330 | Three | CPH07A10564 CPH07A10625 CPH07A10750 |
| | | 36.1 | 20.8 | 31.3 | 18.1 | 27.1 | 21.6 | 12.5 | 7.2 | 750 | 7,500 | 25,600 | | |

NOTES:

These control options are available on all models as built-in components. In cases where the amperage of the heater (or heaters) exceeds the rated limit of the control, multiple controls must be specified.

Example: CPH07A8750
240 Volt Single-Phase
Pilot Duty Thermostat & Power Relay Required
Rated 25 Amps
Order: CPH07A8750-PDT-2PR (240V holding coil) 240 volt, 1 PH supply

For 3-phase operation, multiple controls must be specified

Example: CPH07A8750
240 Volt 3-Phase
Pilot Duty Thermostat & Power Relay Control
Order: CPH07A8750-PDT-3PR
240 Volt, 3 PH supply

*2 required for 3-phase units & single-phase units over 20A.



470 Beauty Spot Rd. E, Bennettsville SC 29512

ARCHITECT'S AND ENGINEER'S SUGGESTED SPECIFICATIONS*

Heaters shall be low profile (3" x 5-1/2", 5" x 7") and available in lengths from 28 inches through 10 feet.

Enclosures shall be 16 gauge, furniture quality steel with reinforced, all welded construction; designed to withstand heavy-duty commercial and institutional use.

Enclosures shall be chemically-treated to resist corrosion. Finish shall be mar and temperature-resistant to retain contemporary appearance throughout years of rough use.

For safety, the electric heating bank shall consist of metal sheath heating elements. The elements shall have a copper clad steel sheath for strength and corrosion resistance, and aluminum fins for faster heat transfer.

One, two or three, low density elements shall be installed side-by-side on the same plane to uniformly warm all incoming air. Elements shall be center-anchored and shall float freely on each end through nylon bushings for quietness.

Discharge louvers shall be closely spaced steel to direct heat away from wall and to

minimize wall surface temperatures and control dirt streaking.

A 1/4 inch mesh screen shall be installed beneath the discharge grille to deter the insertion of foreign objects.

Optional built-in controls shall include single-pole, double-pole or two-stage thermostats, disconnect switch, transformer relay and power relay. The thermostat shall be capable of controlling multiple units on a pilot duty circuit. (Observe the control limitations indicated.) Thermostat adjustment shall be with a thin-bladed screwdriver through the discharge louvers and shall be considered tamper-resistant.

An automatic reset thermal overheat protector shall run the full-length of the heater and shall turn off heating elements should overheating occur at any point along heating length. Overheat protector shall restore operation automatically when cause of overheating is removed.

Pedestal legs shall be architecturally styled and shall be individually adjustable to insure

an even, level heater installation.

Heaters shall be designed with a built-in pre-wired race-way to enable multiple unit wiring from one feeder source.

Back panel shall be one piece heavy gauge painted steel, completely finished, and shall be suitable for mullion-to-mullion mounting in front of a glass curtain wall.

28-inch control sections, finished to match the heating units, shall be available with factory built-in mercury contactors, circuit breakers, control transformer, P.E. switch or SCR controls. This control section shall also be furnished blank, as an optional accessory, for field installation of controls.

All heaters and electrical accessories shall be labeled by Underwriters' Laboratories, Inc.

Accessories shall include end caps, blank sections. Blank sections shall be completely enclosed to enable the installer to pull standard wiring from heater to heater through the accessories.

**QMark reserves the right to change specifications*

APPLICATION LIMITATIONS AND PRECAUTIONS

A. Hazardous Atmosphere - Because the possibility of a concealed spark can exist from the built-in over-head cutout, heaters should not be used in potentially explosive atmospheres.

B. Corrosive Atmosphere - The high quality finish and steel internal sheet metal parts will give excellent service under most operating conditions, including coastal salt air and industrial atmospheres. However, the finish is not intended for direct salt spray exposure in marine application or highly corrosive greenhouse, swimming pool, chemical storage or industrial atmospheres.

C. Cleanliness - Although specifically designed for mounting below window areas, heaters can be installed on plaster, wood paneled, metal, masonry or composition wall surfaces with reasonable expectation of clean wall operation. Should some soiling occur, after a period of years, smooth walls may be cleaned with standard maintenance materials. For deep textured walls, consideration should be given to choice of enclosure height and watt per foot capacity - generally, the enclosure with lowest surface temperature will have the least soiling tendency.

D. Comfort - Optimum room comfort results when heater is mounted just below the window sill, since window cold down draft is eliminated and maximum convection air distribution without stratification is maintained throughout the room. Because of the tendency for warm air to stratify, installing heaters close to the ceiling is not recommended. If it should be necessary, at least 18" clearance above the air discharge must be maintained. Bottom of heaters are not intended for attractive appearance when mounted above eye level.

E. Air Throw - Since heaters provide only natural convection air throw, they are not recommended for combatting cold outside air blasts through high traffic, main entry ways and vestibules. Heaters will maintain satisfactory comfort conditions in low traffic, side entry ways and vestibules, but for most entry ways, faster response fan driven heaters would be preferred.

F. Curtains, drapes or blinds - should clear the top of the heater by at least six inches. See I for vinyl blinds. Never permit draperies to completely cover the unit. Furniture - should be placed so it does not touch the heater and so it does not completely block the

air vents. Allow at least 4" free space between furniture and the heaters.

G. Recess mounting - UL labeled for free standing wall surface mounting only. Not recommended for mounting behind built-in book shelves, storage cabinets, window seats, etc.

H. In institutional applications such as hospitals, nursing homes, child day-care centers and clinics, it is recommended that low-watt density convectors be used to provide optimum comfort at lowest case temperatures.

I. Due to variations in vinyl compositions and their potential to discolor, the use of stand-off brackets (SO1 or SO2) and/or specifying the lower watt density unit may be required when installing on vinyl wall-coverings or under vinyl window dressings.

Prior to setting specifications, consult factory for installation recommendations.