

TYPE DPH and CPH DECORATIVE AND COMMERCIAL PEDESTAL HEATERS

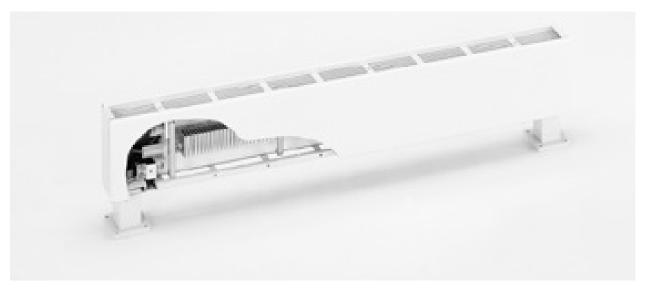
- CPH Series units are ideal for high traffic areas with high heat needs where wall mounted units are not appropriate such as air,rail or bus terminals, corridors, lobbies, foyers, auditoriums, etc. These are not intended for residential applications. They can be mounted singly, in lengths from 28 inches to 10 feet, or joined end-to-end for complete perimeter heating. They are ruggedly built to withstand years of hard usage in public and commercial buildings.
- VARIABLE HEAT OUTPUT -Depending on the requirements of the space being heated, the CPH units may contain one to three heating elements that yield a broad range of heating capacity from 125 watts per foot (426 BTU per hour per foot) to 750 watts per foot (2560 BTU per hour per foot).
- RUGGED CONSTRUCTION The front cover is constructed of 16 gauge steel with 14 gauge being optional. Also available is optional 1/4-inch mesh located under the discharge grille to deter the insertion of objects into the unit.



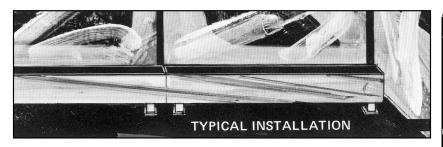
- MULTIPLE CABINET SIZES The CPH is available in two cabinet sizes.This provides heating flexibility as well as styling flexibility.
- PRE-WIRED JUNCTION BOXES -Each unit has identical pre-wired junction boxes at either end of the unit to permit power supply entry and connection flexibility. Each unit has a wireway with factory installed wiring rated 35 amps for the CPHAS and 45 amps for the CPHAM, eliminating the need to fish additional wires for multiple unit hook-up.
- OPTIONAL CONTROLS Each unit has available a selection of optional built-in controls that include a single

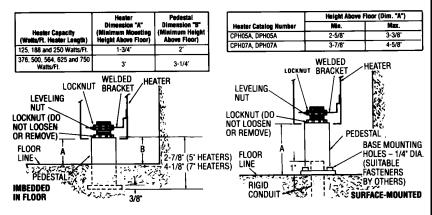
pole or double pole line voltage thermostat, disconnect switch, power relay, or transformer relay.

- ACCESSORIES A full line of accessories is designed for the CSH Series is field adaptable for the CPH Series unit. This includes filler sections and corner sections. End caps are required to close off the junction box on all installations where the end of the unit does not mate with another unit.
- FINISHES Nine standard painted colors plus grey primer are available. Custom color matching is also available for a nominal color matching charge.



ZBL-QDPHO



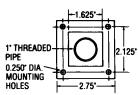


CATALOG USE DIMENSIONS (inches) NUMBER W/OSH H D L N* LEFT END CAPS CSH05-ECL** CPH05A 5-1/2 2-1/2 1/8 DSH05-ECL** CPH07A 7 4-3/4 - 1/8 DSH05-ECL** DPH07A 5-1/2 2-1/2 1/8 DSH05-ECL** DPH05A 5-1/2 2-1/2 1/8 DSH05-ECR** CPH05A 5-1/2 2-1/2 1/8 DSH05-ECR** DPH05A 5-1/2 4-3/4 - PEDESTAL ECS (FOR CPH05AND DPH05 HEATERS) PH805-3** 1/9 heaters and blank sections PH805-3** 1/1 heaters and blank sections 1/9 heaters and blank sections 1/9 PH807-3** 1/3 & 4 heaters and blank sections 1/9 <td< th=""><th>ACCESSO</th><th>RIES</th><th></th><th></th><th></th><th></th></td<>	ACCESSO	RIES				
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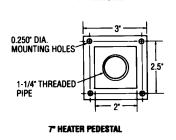
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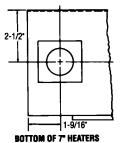
5" HEATER PEDESTAL



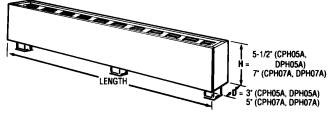


PEDESTAL LOCATION





HEATING AND BLANK SECTIONS



DPH-05A AND CPH05A SELECTION CHART

LENGTH	AMPERAGE						NOMINAL	TO HEATING	OTAL CAPACITY	NO. OF	CATALOG
	120V 208V 2		240V	277V	347V	600V	WATTS/FT.	WATTS	BTU/HR	ELEMENTS	NUMBER*
28" (711mm)	2.4 3.1 4.2	1.2 1.8 2.4	1.0 1.6 2.1	0.9 1.4 1.8	- - 1.4		125 188 250	250 375 500	853 1,280 1,706	One	*-2125 *-2188 *-2250
3' (914mm)	3.1 4.7 6.2	1.8 2.7 3.6	1.6 2.4 3.1	1.4 2.0 2.7	1.1 1.6 2.2		125 188 250	375 564 750	1,280 1,925 2,500	One	*-3125 *-3188 *-3250
4' (1219mm)	4.2 6.2 8.3	2.4 3.6 4.8	2.1 3.1 4.2	1.8 2.7 3.6	1.4 2.2 2.9	- 1.3 1.7	125 188 250	500 750 1,000	1,706 2,560 3,413	One	*-4125 *-4188 *-4250
5' (1524mm)	5.2 7.8 10.4	3.0 4.5 6.0	2.6 3.9 5.2	2.2 3.4 4.5	1.8 2.7 3.6	1.0 1.6 2.1	125 188 250	625 940 1,250	2,133 3,208 4,266	One	*-5125 *-5188 *-5250
6' (1829mm)	6.2 9.4 12.5	3.6 5.4 7.2	3.1 4.7 6.2	2.7 4.1 5.4	2.2 3.2 4.3	1.3 1.9 2.5	125 188 250	750 1,125 1,500	2,560 3,840 5,120	One	*-6125 *-6188 *-6250
8' (2438mm)		4.8 7.2 9.6	4.2 6.2 8.3	3.6 5.4 7.2	2.9 4.3 5.8	1.7 2.5 3.3	125 188 250	1,000 1,500 2,000	3,413 5,120 6,826	One	*-8125 *-8188 *-8250
10' (3048mm)		6.0 9.0 12.0	5.2 7.8 10.4	4.5 6.7 9.0	3.6 5.4 7.2	2.1 3.1 4.2	125 188 250	1,250 1,875 2,500	4,266 6,400 8,532	One	*-10125 *-10188 *-10250

DPH-07A AND CPH07A SELECTION CHART

	AMPERAGE								NOMINAL	TOTAL		CATALOG	
LENGTH	20	8V	24	0V	277V	347V	60	ov	WATTS/FT.		APACITY BTU/HR	ELEMENTS	NUMBER*
	1.2 1.8 2.4		1.0 1.6 2.1		0.9 1.4 1.8	- - 1.4			125 188 250	250 375 500	853 1,280 1,706	One	*-2125 *-2188 *-2250
28" (711mm)	3.6 4.8		3.1 4.2		2.7 3.6	_ 2.9			375 500	750 1,000	2,560 3,413	Two	*-2375 *-2500
	5.4 6.0 7.2	3.1 3.5 4.2	4.7 5.2 6.3	2.7 3.0 3.6	4.1 4.5 5.4	- - 4.3			564 625 750	1,125 1,250 1,500	3,839 4,266 5,119	Three	*-2564 *-2625 *-2750
	1.8 2.7 3.6		1.6 2.4 3.1		1.4 2.0 2.7	1.1 1.6 2.2			125 188 250	375 564 750	1,280 1,925 2,560	One	*-3125 *-3188 *-3250
3' (914mm)	5.4 7.2		4.7 6.3		4.1 5.4	3.2 4.3			375 500	1,125 1,500	3,839 5,119	Two	*-3375 *-3500
	8.1 9.0 10.8	4.7 5.2 6.3	7.0 7.8 9.4	4.1 4.5 5.4	6.1 6.8 8.1	4.9 5.4 6.5			564 625 750	1,690 1,875 2,250	5,768 6,399 7,679	Three	*-3564 *-3625 *-3750
	2.4 3.6 4.8		2.1 3.1 4.2		1.8 2.7 3.6	1.4 2.2 2.9	- 1.3 1.7		125 188 250	500 750 1,000	1,706 2,560 3,413	One	*-4125 *-4188 *-4250
4' (1219mm)	7.2 9.6		6.3 8.3		5.4 7.2	4.3 5.6	2.5 3.3		375 500	1,500 2,000	5,119 6,826	Two	*-4375 *-4500
	10.8 12.0 14.4	6.3 6.9 8.3	9.4 10.4 12.5	5.4 6.0 7.2	8.1 9.0 10.8	6.5 7.2 8.6	3.8 4.2 5.0	2.2 2.4 2.9	564 625 750	2,250 2,500 3,000	7,679 8,532 10,238	Three	*-4564 *-4625 *-4750
	3.0 4.5 6.0		2.6 3.9 5.2		2.3 2.4 4.5	1.8 2.7 3.6	1.0 1.6 2.1		125 188 250	625 940 1,250	2,133 3,208 4,266	One	*-5125 *-5188 *-5250
5' (1524mm)	9.0 12.0		7.8 10.4	-	6.8 9.0	5.4 7.2	3.1 4.2		375 500	1,875 2,500	6,399 8,532	Two	*-5375 *-5500
	13.6 15.2 18.0	7.8 8.8 10.4	11.8 13.1 15.6	6.8 7.6 9.0	10.2 11.4 13.5	8.1 9.1 10.8	4.7 5.3 6.3	2.7 3.0 3.6	564 625 750	2,820 3,152 3,750	9,624 10,757 12,798	Three	*-5564 *-5625 *-5750
6' (1829mm)	3.6 5.4 7.2		3.1 4.7 6.3		2.7 4.1 5.4	2.2 3.2 4.3	1.3 1.9 2.5		125 188 250	750 1,125 1,500	2,250 3,839 5,119	One	*-6125 *-6188 *-6250
	10.8 14.4		9.4 12.5		8.1 10.8	6.5 8.6	3.8 5.0		375 500	2,250 3,000	7,679 10,238	Two	*-6375 *-6500
	16.3 18.0 21.6	9.4 10.4 12.5	14.1 15.6 18.8	8.1 9.0 10.8	12.2 13.5 16.2	9.7 10.8 13.0	5.6 6.3 7.5	3.3 3.6 4.3	564 625 750	3,380 3,750 4,500	11,535 12,798 15,358	Three	*-6564 *-6625 *-6750
8' (2438mm) 10' (3048mm)	4.8 7.2 9.6		4.2 6.3 8.3		3.6 5.4 7.2	2.9 4.3 5.8	1.7 2.5 3.3		125 188 250	1,000 1,500 2,000	3,413 5,119 6,826	One	*-8125 *-8188 *-8250
	14.4 19.2		12.5 16.7		10.8 14.4	8.6 11.5	5.0 6.7		375 500	3,000 4,000	10,238 13,651	Two	*-8375 *-8500
	21.6 24.0 28.8	12.5 13.9 16.7	18.8 20.8 25.0	10.8 12.0 14.5	16.2 18.1 21.7	13.0 14.4 17.3	7.5 8.3 10.0	4.3 4.8 5.8	564 625 750	4,500 5,000 6,000	15,358 17,064 20,477	Three	*-8564 *-8625 *-8750
	6.0 9.0 12.0		5.2 7.8 10.4		4.5 6.8 9.0	3.6 5.4 7.2	2.1 3.1 4.2		125 188 250	1,250 1,875 2,500	4,266 6,399 8,532	One	*-10125 *-10188 *-10250
	18.0 24.0		15.6 20.8		13.5 18.1	10.8 14.4	6.3 8.3		375 500	3,750 5,000	12,798 17,064	Two	*-10375 *-10500
	27.1 30.0 36.1	15.7 17.4 20.8	23.5 26.0 31.3	13.6 15.1 18.1	20.4 22.6 27.1	16.3 18.0 21.6	9.4 10.4 12.5	5.4 6.0 7.2	564 625 750	5,640 6,250 7,500	19,248 21,330 25,596	Three	*-10564 *-10625 *-10750

nal Built-in Control Specifications Optio

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 Dut (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 builk-in transformer; relay contacts rated 24 amg @ 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 thermostal); both disconnect switch and transformer relay in power circuit; disconnect switch energized through grill; control combination rate 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 thermostal for power relay (holding coll voltages available: 24, 120, 202(24), 277 VAC; disconnect switch energized through grill. Control combination rated 18 amps (2120/27) 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.

NOTES:

NOTES:						
These control options are available on models as built in						
components	. In cases where the amperage of the heater(s)					
exceeds the	rated limit of the control, multiple controls must be					
specified.						
Example:	DPH07-8750					
•	240 Volt Single Phase					
	Pilot Duty Thermostat & Power Relay					
	Required					
	Rated 25 Amps					
	Order: DPH07-8750-PDT-2PR (240V holding coil)					
	240 Volt, 1 PH supply					
For 3-phase	operation, multiple controls must be specified.					
Example:	DPH07-8750					
•	240 Volt 3 Phase					
	Pilot Duty Thermostat & Power Relay					
	Control					
	Order: DPH07-8750-PDT-2PR (240V holding coil)					
	240 Volt 3 PH supply					
* 2 required for 3Ø units 1Ø units over 20A.						
	HOW TO ORDER					
When orde	ering, specify the following:					
1. BASE HEATER - Specify catalog number (which						
	heater height, length and watts/ft.) and the					
uenotes	neater neight, iength and watts/it.) and the					

- ıg ıg ι.) following: a. Heater voltage and phase

 - b. Optional controls (also indicate coil voltage when specifying power relay). Add suffix letters shown above to basic Catalog Number.
 - c. Optional protective outlet mesh. Add suffix "-M" to Catalog Number. d. Finish.
- PEDESTAL LEGS Specify catalog number (which denotes pedestal leg size and quantity in carton) and spec-ify finish.
- END CAPS Specify catalog number (which denotes size and either left or right hand fit) and specify finish.

APPLICATION LIMITATIONS AND PRECAUTIONS

A. Hazardous Atmosphere - Because the possibility of a concealed spark can exist from the built-in thermal limit switch, 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. 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.

D. Curtain, drapes, or blinds - should clear the top of the heater by at least six inches. 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 four inches free space between furniture and the heaters.

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

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



SUGGESTED ENGINEERING SPECIFICATIONS (Type CPH and DPH)

Heaters shall be low profile (3" x 5-1/2" 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.

Pedestal legs shall be architecturally styled and shall be individually adjustable to insure an even, level heater installation.

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

One, two, or three low density elements shall be installed side-by-side on the same plane to uniformly warm all incoming air. The heating bank shall consist of steel sheath heating elements with aluminum fins for strength and corrosion resistance. Elements shall be center-anchored and shall float freely on each end through nylon bushings for quietness. On Type CPH, discharge louvers shall be closely spaced steel to direct heat away from wall and to minimize wall and to minimize wall surface temperatures and control dirt streaking.

On Type DPH, discharge louvers shall be extruded aluminum bar grille painted bronze brown to contrast with the neutral grey front finish. The bar grille with contrasting finish shall ensure a clean, decorative finish.

A 1/4-inch mesh screen shall be installed beneath the discharge grille to defer 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 thinbladed screwdriver through the discharge louvers and shall be considered tamper-resistant. An automatic reset thermal limit switch shall run the full-length of the heater and shall turn off heating elements should overheating occur at any point along heating length. The limit switch shall restore operation automatically when cause of overheating is removed.

Heaters and blank sections shall be designed so they can be butted together without use of end caps.

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

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

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

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

