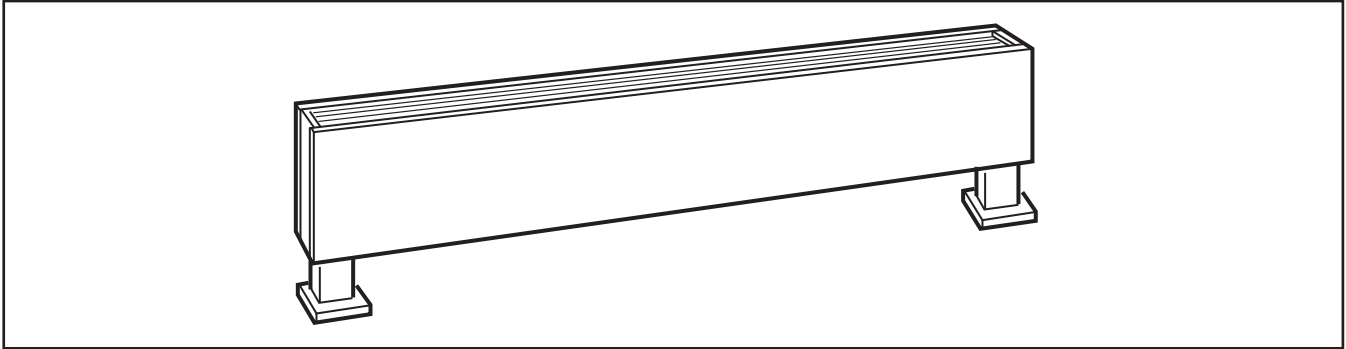


Decorative Pedestal Convection Heaters Type DPH



Dimensions

Type	Height	Width	Length
DPH05A	5-1/2"	3"	28"- 10'
DPH07A	7"	5"	28"-10'



FILE #E37116

ARCHITECT/ENGINEER 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 an 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 appearance.

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 raceway to enable multiple unit wiring from one feeder source.

Back panel shall be one-piece 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 accessory, for field installation of controls.

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.

* QMark reserves the right to change specifications without prior notice.

APPLICATION LIMITATIONS AND PRECAUTIONS

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

B. Corrosive Atmospheres - 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 salt spray exposure in marine applications or highly corrosive greenhouse, swimming pool, chemical storage or industrial atmospheres.

C. Cleanliness - Although specifically designed for mounting below window areas, heater 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 wall 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 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 four inches free space between furniture and the heaters.

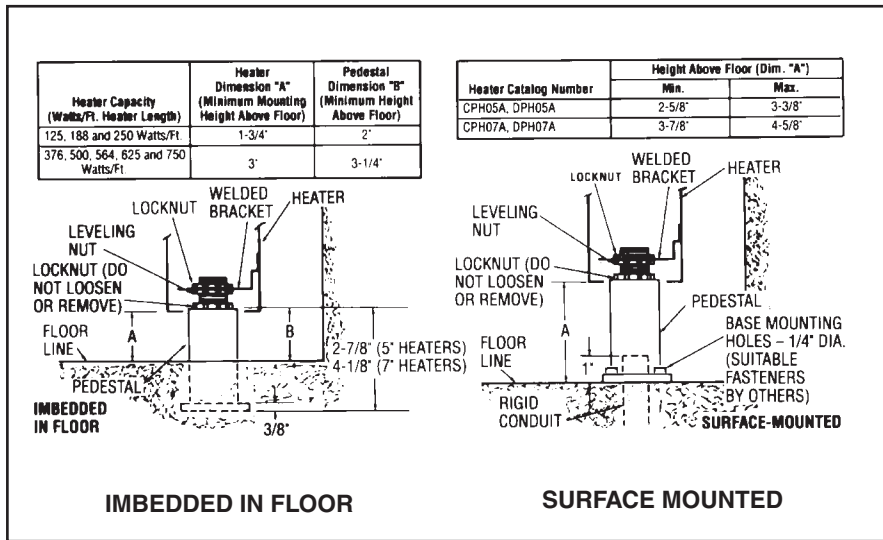
G. Recess mounting - UL labeled for free standing mounting only. Not recommended for mounting behind built-in book shelves, storage cabinets, window seats, etc.

H. In institutional applications such as hospitals, double-pole, or two-stage thermostats, disconnect switch, 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/pr specifying a 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.

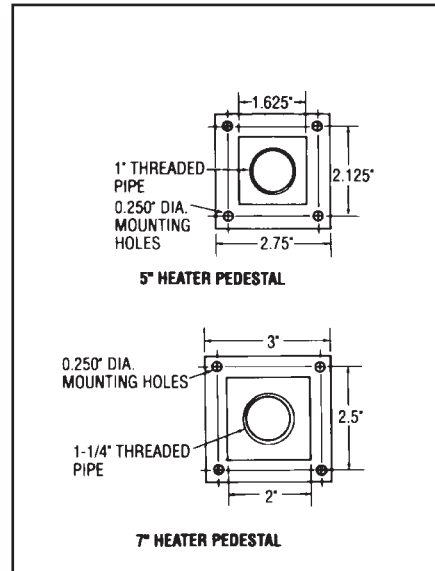
Pedestals

Accessory Specifications

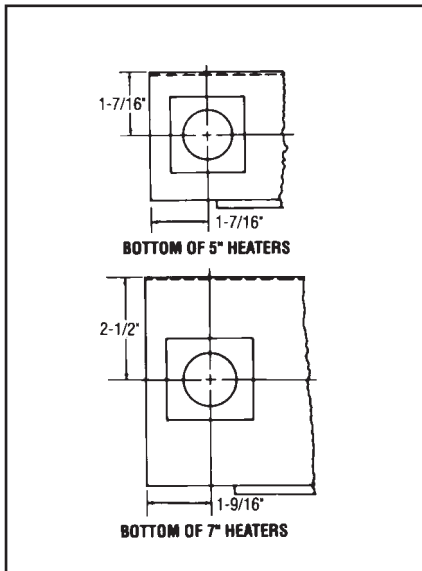


Description and Catalog Number	Use with	Dimensions			
		H	D	L	N*
LEFT END CAPS:					
DSH05-ECL***	DPH05A	5-1/2	2-1/2	-	1/8
DSH07-ECL***	DPH07A	7	4-3/4	-	1/8
RIGHT END CAPS:					
DSH05-ECR***	DPH05A	5-1/2	2-1/2	-	1/8
DSH07-ECR***	DPH07A	7	4-3/4	-	1/8
PEDESTAL LEGS: (for DPH05 Heaters)					
PHB05-2**	2', 3' & 4' heaters & blank sections	-	-	-	-
PHB05-3**	5', 6' & 8' heaters & blank sections	-	-	-	-
PHB05-4**	10' heaters & blank sections	-	-	-	-
PEDESTAL LEGS: (for DPH07 Heaters)					
PHB07-2**	2', 3' & 4' heaters & blank sections	-	-	-	-
PHB07-3**	5', 6' & 8' heaters & blank sections	-	-	-	-
PHB07-4**	10' heaters & blank sections	-	-	-	-
BLANK SECTIONS (DPH05)					
DPH05-BL2-1	DPH05	5-1/2	3	28	28
DPH05-BL3-1				36	36
DPH05-BL4-1				48	48
DPH05-BL5-1				60	60
DPH05-BL6-1				72	72
DPH05-BL8-1				96	96
DPH05-BL10-1	120	120			
BLANK SECTIONS (DPH07)					
DPH07-BL2-1	DPH07	7	5	28	28
DPH07-BL3-1				36	36
DPH07-BL4-1				48	48
DPH07-BL5-1				60	60
DPH07-BL6-1				72	72
DPH07-BL8-1				96	96
DPH07-BL10-1	120	120			

Pedestal Details

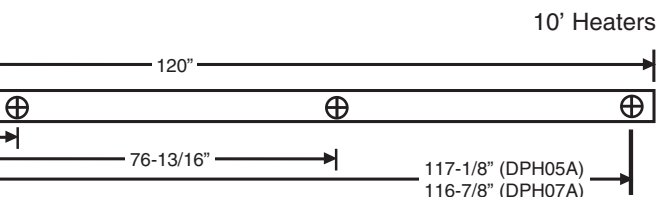
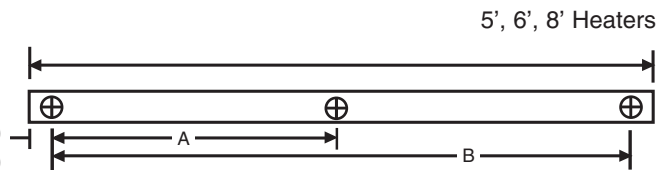
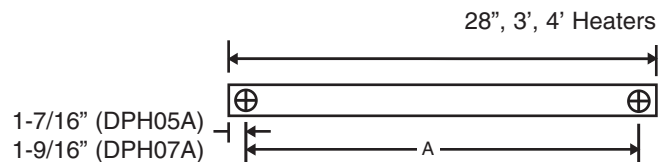


Pedestal Location



Pedestal Location

Heater Length	DPH05A		DPH07A	
	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.**

DPH-05A CONVECTOR 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)	2.4 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		
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

DPH07A SELECTION CHART

LENGTH	AMPERAGE						NOMINAL WATTS/FT.	TOTAL HEAT CAPACITY		NO. OF ELEMENTS	CATALOG NUMBER*
	208V	240V	277V	347V	600V	WATTS		BTU/HR			
	28" (711mm)	1.2 1.8 2.4	— — —	1.0 1.6 2.1	0.9 1.4 1.8	— — 1.4		— — —	125 188 250		
28" (711mm)	3.6 4.8	— —	3.1 4.2	— —	2.7 3.6	— —	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
	3' (914mm)	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
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
4' (1219mm)	2.4 3.6 4.8	— — —	2.1 3.1 4.2	— — —	1.8 2.7 3.6	1.4 2.2 2.9	125 188 250	500 750 1,000	1,706 2,560 3,413	One	*-4125 *-4188 *-4250
	7.2 9.6	— —	6.3 8.3	— —	5.4 7.2	4.3 5.6	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	564 625 750	2,250 2,500 3,000	7,679 8,532 10,238	Three	*-4564 *-4625 *-4750
5' (1524mm)	3.0 4.5 6.0	— — —	2.6 3.9 5.2	— — —	2.3 2.4 4.5	1.8 1.6 2.1	125 188 250	625 940 1,250	2,133 3,208 4,266	One	*-5125 *-5188 *-5250
	9.0 12.0	— —	7.8 10.4	— —	6.8 9.0	5.4 7.2	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	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	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	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	564 625 750	3,380 3,750 4,500	11,535 12,798 15,358	Three	*-6564 *-6625 *-6750
8' (2438mm)	4.8 7.2 9.6	— — —	4.2 6.3 8.3	— — —	3.6 5.4 7.2	2.9 4.3 5.8	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	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	564 625 750	4,500 5,000 6,000	15,358 17,064 20,477	Three	*-8564 *-8625 *-8750
10' (3048mm)	6.0 9.0 12.0	— — —	5.2 7.8 10.4	— — —	4.5 6.8 9.0	3.6 5.4 7.2	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	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	564 625 750	5,640 6,250 7,500	19,248 21,330 25,596	Three	*-10564 *-10625 *-10750

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 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 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 ampere 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:

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 ordering, specify the following:

- BASE HEATER - Specify catalog number (which denotes heater height, length and watts/ft.) and the following:
 - Heater voltage and phase
 - Optional controls (also indicate coil voltage when specifying power relay). Add suffix letters shown above to basic Catalog Number.
 - Optional protective outlet mesh. Add suffix "M" to Catalog Number.
 - Finish.
- PEDESTAL LEGS - Specify catalog number (which denotes pedestal leg size and quantity in carton) and specify finish.
- END CAPS - Specify catalog number (which denotes size and either left or right hand fit) and specify finish.

