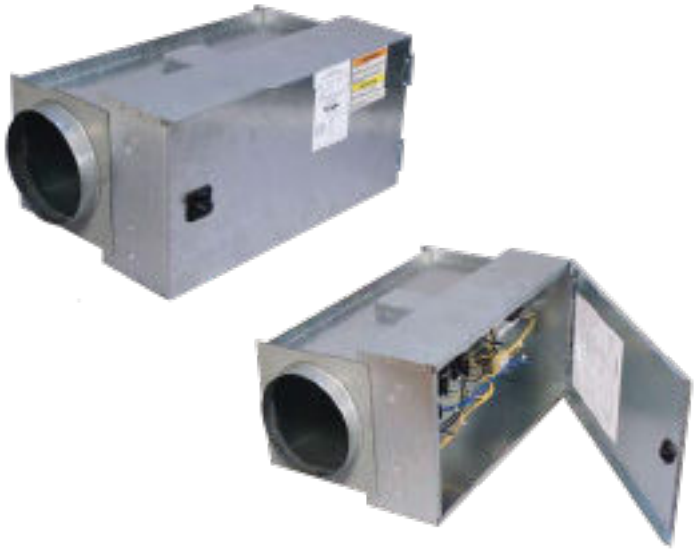
OPEN COIL ELECTRIC—ROUND
Duct Heater



Ideal Spaces:

Space Heating
Primary Heating
Supplemental Heating
Auxiliary Heating
Reheating

Stainless Steel

- Available in 6," 8," and 10" diameters
- Zero clearance approved
- Flex duct can be mounted directly to unit (250° F/121° C rated), no transition or extra metal duct required
- No need to specify right or left airflow, superior design allows for operation in either direction
- Widest range of kW offering in the marketplace
- Single point power connection
- Airflow switch standard
- Designed for up to 100° F/37° C inlet air
- Factory installed airflow switch probe
- Single phase voltages 120V, 208V, 240V, 277V, 480V
- Three phase voltages 208V, 240V, 480V
- One, two or three stages available
- UL listed product for the US and Canadian markets
- Minimum airflow requirements:
- 60 CFM/kW—inlet air below 78° F/25° C
- 85 CFM/kW—inlet air 78° F/25° C – 100° F/37° C
- Optional accessories: transformer, transformer fusing, SCR controls, power fusing and disconnect switch

18 YEAR WARRANTY
WORKMANSHIP
FROM DATE OF SHIPMENT

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Duct Heater For 6" Round Duct Model #: DBL21111
H = 6.000 W = 6.000 F-type Z = 10.000 Auto Reset: 08-3196-00:

VOLTAGE/PHASE	120V-1P	208V-1P	240V-1P	277V-1P
1 STG. MAX. KW	5.5	4.0	3.5	4.0
2 STG. MAX. KW	5.0	2.0	2.5	2.0
3 STG. MAX. KW	5.5	4.0	3.5	4.0
VOLTAGE/PHASE	**480V-1P**	**208V-3P**	**240V-3P**	**480V-3P**
1 STG. MAX. KW	N/A	4.0	3.5	N/A
2 STG. MAX. KW	N/A	4.0	3.5	N/A
3 STG. MAX. KW	N/A	4.0	3.5	N/A

Duct Heater For 8" Round Duct Model #: DBL21112
H = 8.000 W = 8.000 F-type Z = 12.000 Auto Reset: 08-3196-00

VOLTAGE/PHASE	120V-1P	208V-1P	240V-1P	277V-1P
1 STG. MAX. KW	5.7	8.0	8.0	8.0
2 STG. MAX. KW	5.7	8.0	8.0	8.0
3 STG. MAX. KW	5.7	8.0	8.0	8.0
VOLTAGE/PHASE	**480V-1P**	**208V-3P**	**240V-3P**	**480V-3P**
1 STG. MAX. KW	8.0	8.0	8.0	8.0
2 STG. MAX. KW	7.0	8.0	8.0	8.0
3 STG. MAX. KW	8.0	8.0	8.0	8.0

Duct Heater For 10" Round Duct Model #: DBL21113
H = 10.000 W = 10.000 F-type Z = 14.000 Auto Reset: 08-3196-00

VOLTAGE/PHASE	120V-1P	208V-1P	240V-1P	277V-1P
1 STG. MAX. KW	5.7	9.9	11.5	13.0
2 STG. MAX. KW	5.7	9.9	10.5	12.5
3 STG. MAX. KW	5.7	9.9	11.5	13.0
VOLTAGE/PHASE	**480V-1P**	**208V-3P**	**240V-3P**	**480V-3P**
1 STG. MAX. KW	15.5	13.0	15.0	15.5
2 STG. MAX. KW	10.5	13.0	15.0	15.5
3 STG. MAX. KW	15.5	13.0	15.0	15.5

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Scan the QR code to access additional specs and features

How to Order an Open Coil Electric Duct Heater

In almost every application, a duct heater needs to be highly configured and specialized to meet the demand of the space it is going in. To do this efficiently, we have created a new configuration process making it fast and easy to get the product you need. This page is designed to show you all the standard options available and how to decipher the part number to configure the specific heater you are ordering. (If there is a size larger or additional options needed, you will have to go through the Non-Standard Process for a quote.)

Open Coil Duct Heater Smart Part Number

Brand (1 plc)	Mounting (1 plc)	Element Style (1 plc)	Revision (1 plc)	kW (3 plc)	Supply Voltage/Phase (1 plc)	Insulation Thickness (in.) (2 plc)	Stages (2 plc)	Control Voltage (1 plc)	Width* (3 digits)	Height* (3 digits)
B (Berko)	**S** (Slip-In)	**C** (Open Coil)	**A**	**###** (001–100)	**1** = 120V 1 Ph	**00** = 0.0″	**01** = 1 Stage	**1** = 24V	**###** (006–120)	**###** (006–144)
					2 = 208V 1 Ph	**05** = 0.5″		**2** = 120		
	F (Flanged)				**3** = 208V 3 PH	**10** = 1″	**02** = 2 Stage	**3** = 208	*For round Duct Heaters diameters are **006** = 6 inch **008** = 8 inch **010** = 10 inch	
Q (QMark)					**4** = 240V 1 PH	**15** = 1.5″		**4** = 240		
	R (Round Collar)				**5** = 240V 3 PH	**20** = 2″		**5** = 277		
					6 = 277V 1 PH	**25** = 2.5″	**03** = 3 Stage	**6** = 480		
					7 = 480V 1 PH	**30** = 3″				
					8 = 480V 3 PH					

*For Round Duct Heaters diameters are 06 = 6 inch, 08 = 8 inch, and 010 = 10 inch

Control Options (11 plcs)

Heater Controls (1 plc)	Time Delay (1 plc)	Airflow Switch (1 plc)	Power Fusing (1 plc)	Disconnect Switch (1 plc)
0 = None	**0** = None	**0** = None	**0** = None	**0** = None
A (SCR)	**A** (Time Delay Relay, Heater On)	**A** (Airflow Switch, non-adjustable)	**A** (Power Fusing)	A (Disconnect Switch)
B (Step Controller, Analog Signal Required)				
C (Fan Interlock)	**B** (Time Delay Relay, Delay Between Stages)			
D (Heater Interlock, Disable/Enable Heater)	**C** (Time Delay Relay, Heater On & Delay Between Stages	**B** (Airflow Switch, adjustable		
E = SCR and Heater interlock				

Control Options (11 plcs) cont.

Control Transformer (1 plc)	Thermostat (1 plc)	Coil (1 plc)	Derated (1 plc)	Pilot Light (1 plc)	Control Box (1 plc)
0 = None	**0** = None	**0** = None	**0** = None	**0** = None	**0** = None
A (Control Transformer)	**A** (Thermostat, Wall Mount)	**A** (Stainless Steel Coil Terminals for Corrosion Resistance)	**A** (Derate to 35 Watts)	**A** (Pilot Light, Heater Power On)	**A** (Vapor Barrier)
B (Control Transformer & Primary Fusing)				**B** (Pilot Light, Heater Energized)	**B** (Dust Tight Box)
C (Control Transformer & Secondary Fusing)	**B** (Thermostat, with Remote Sensor)	**B** (80/20 Corrosion Resistant Wire)	**B** (Derate to 25 Watts)	**C** (Pilot Light, Stage On, 1 per stage)	**C** (Outdoor Rated)
D (Control Transformer & Secondary & Primary Fusing)	**C** (Thermostat, with Duct Sensor)	**C** (Stainless Steel Element Rack)		**D** (Pilot Light, Airflow Switch Open)	**D** (Dust Tight Box & Vapor Barrier)

Sample

Customer Order: Berko, Flanged, Open Coil, First Revision, 24 kW, 208V 3 PH, 1″, 1 Stage, 24V, 20″ Width, 14″ Height, SCR Heater Controls, No Time Delay, Non-Adjustable Airflow Switch, No Power Fusing, Disconnect Switch, Control Transformer & Primary Fusing, Thermostat, Wall Mount, No Coil, Pilot Light, Derate to 35 Watts, Heater Power On, No Control Box.

B	F	C	A	024	3	10	01	1	020	014	A	0	A	0	A	B	A	0	A	A	0

Notes: 1. Please see the installation instructions for installation details and restrictions. 2. For slip in heaters being installed into an internally insulated duct, decrease the height by 2 times the insulation thickness, decrease the width by the insulation thickness, and add a recess equal to the insulation thickness. 3. All heaters will require either a fan relay or an airflow switch per UL requirements. If neither is chosen, a fan relay will be specified.If both a fan relay and airflow switch are required, both must be specified as options/accessories.4. Power fusing is standard on all heaters above 48.0 amps. Power fusing must be specified as an option/accessory if required for heaters rated 48 amps or less.