

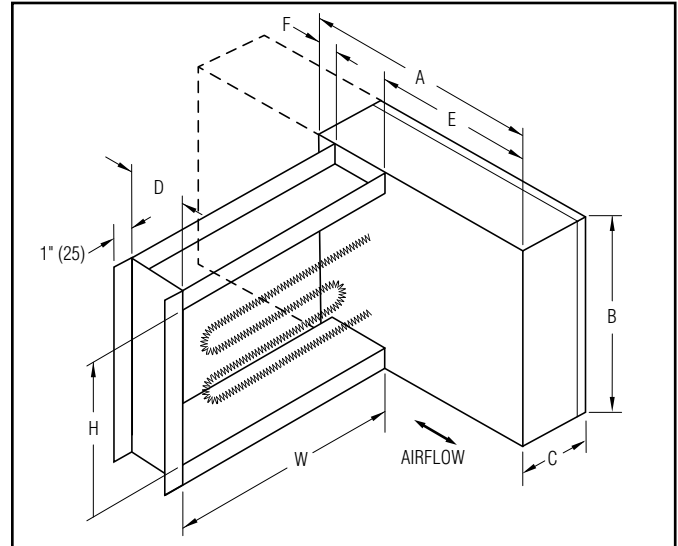
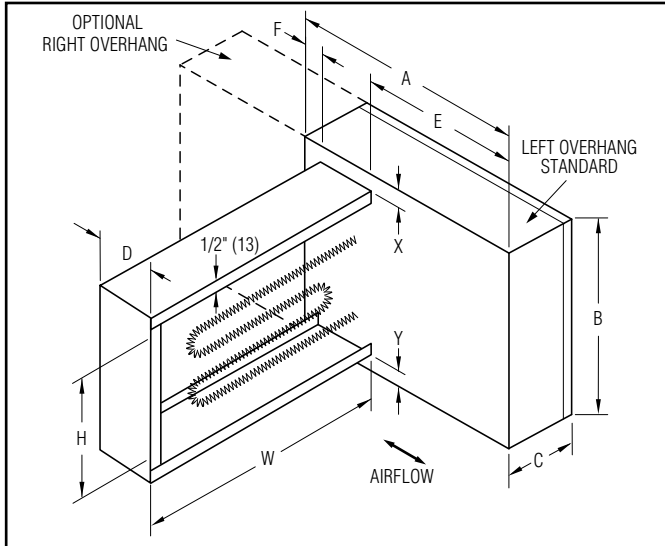
STANDARD CONSTRUCTION:
 Model DHRS Slip-in type:

W = Duct width – 1" (25).
 H = Duct height – 2" (51).
 B = H + 2" (51) standard.
 X and Y = 1" (25) standard.

The standard slip-in heater ordered by nominal duct size is built and undersized to accommodate the industry predominant 1" (25) internal duct installation.

 Model DHRF Flange type:

W and H = Duct size.
 B = Duct height + 2" (51) standard.
 F = 1" (25) standard.



For both models DHRS and DHRF A, B, C, D and E dimensions vary dependent upon duct size, kW and controls. **If there is a critical dimension that the control panel may not exceed due to clearance restrictions, please note this information on the order, otherwise the computer designed controls enclosure will be supplied.**

SELECT:

	Airflow/Overhang
HL	Horiz./Left (default)
HR	Horiz./Right
HXB	Horiz./Bottom Mount (Centered)
VD	Vertical/Panel Down
VU	Vertical/Panel Up

	Voltage/Phase
1201	120V/1 ph.
2081	208V/1 ph.
2401	240V/1 ph.
2771	277V/1 ph.
3471	347V/1 ph.
4801	480V/1 ph.
2083	208V/3 ph.
2403	240V/3 ph.
4803	480V/3 ph.
6003	600V/3 ph.

	Control Type
STG	Staged Electric
PNU	Staged Pneumatic
SCRV	SCR 0-10 Vdc
SCRA	SCR 4-20mA
SSRD	SSR 4-32 Vdc Pulsed
SSRA	SSR 24 Vac Pulsed

No. Stages			
1ST	1 Stage	9ST	9 Stages
2ST	2 Stages	10ST	10 Stages
3ST	3 Stages	11ST	11 Stages
4ST	4 Stages	12ST	12 Stages
5ST	5 Stages	13ST	13 Stages
6ST	6 Stages	14ST	14 Stages
7ST	7 Stages	15ST	15 Stages
8ST	8 Stages	16ST	16 Stages

Air Proving Means	
A1	Airflow Switch (default)
A224	Fan Interlock Relay 24V
A212	Fan Interlock Relay 120V
A220	Fan Interlock Relay 208V
A240	Fan Interlock Relay 240V
A277	Fan Interlock Relay 277V
A3	Fan Control Relay
A4	Fan Connection Terminal Block
A524	A/F Switch + Fan I.L. Relay 24V
A512	A/F Switch + Fan I.L. Relay 120V
A520	A/F Switch + Fan I.L. Relay 208V
A540	A/F Switch + Fan I.L. Relay 240V
A577	A/F Switch + Fan I.L. Relay 277V

Control Voltage	
24V	24 Volts (default)
120V	120 Volts
N/A	Not applicable

PE Switch	
P1N0	Load carrying Norm. Open (default)
P1NC	Load carrying Norm. Closed
P2N0	Pilot duty Norm. Open (default)
P2NC	Pilot duty Norm. Closed

Control Contactors	
C2	Magnetic Disconnecting (default)
C4	Quiet Disconnecting
C6	Mercury Disconnecting
N/A	Not applicable

Safety Contactors	
SC2	Magnetic Disconnecting (default on SSR/SCR)

Transformer	
T1	Class II, 1-3 stages (default)
T2	Class II, 4 stages +
T3	Class II, Resettable
T4	Primary Fused, 1-3 stages
T5	Primary Fused, 4 stages +
00	None

Fusing	
F1	Min. per NEC/UL(48A+) (default)
F2	One fuse block per heater
F3	One fuse block per stage

Disconnect Switch	
D1	Door Interlocking (default)
D2	Toggle Type
00	None

Undersizing for duct liner (DHRS only)	
DL10	1" Insulation (default)
DL15	1 1/2" Insulation
DL20	2" Insulation
DL50	1/2" Insulation
DL25	Unlined duct (- 1/4")

Others Options & Accessories:

Step Controller	
JA8	1 - 8 Stage
JA16	9 - 16 Stage

Vernier Controller	
JB8	1 - 8 Stage
JB16	9 - 16 Stage

Derated Coils	
G45	45 Watts/sq. in.
G35	35 Watts/sq. in.
G25	25 Watts/sq. in. Open (default)

Remote Control Panel	
G2	S/S element connections
G3	Insulated panel
G4	Recessed Terminal Box (specify 1" to 24" in 1" increments)
G5	Dust tight (Chicago code)
G7	Flanged heater with full sleeve
PET	P. E. Transducer

Protective Screen	
G61	One side (inlet)
G62	Both Sides

Pilot Lights	
P1	Heater (control circuit) on
P2	Each stage on
P3	Airflow switch open

Pilot Switches	
PS1	De-energize all contactors
PS2	De-energize each stage

Duct Temp. Sensor	
S200	Remote

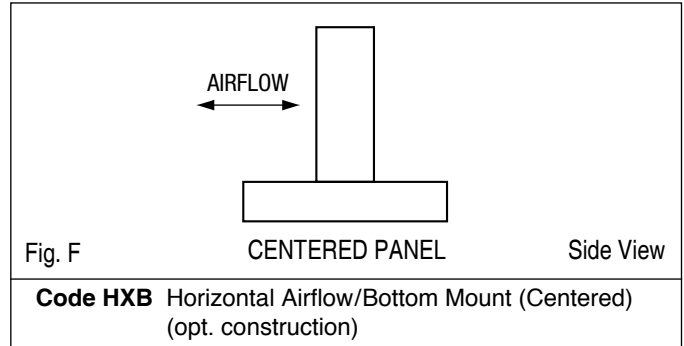
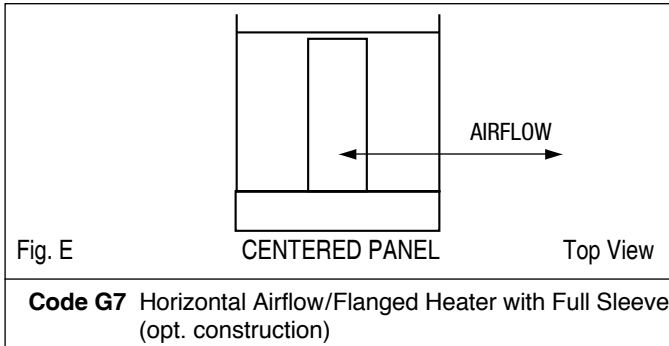
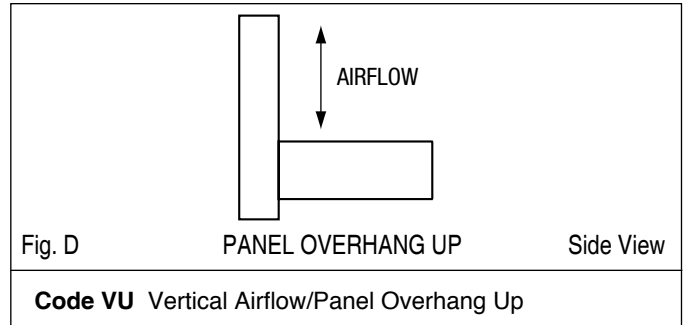
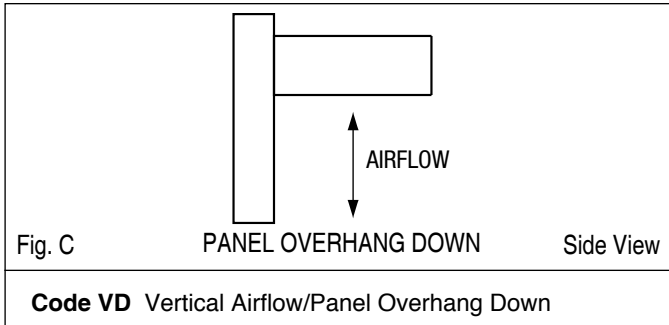
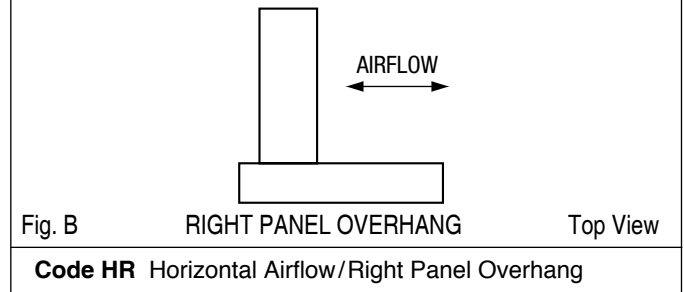
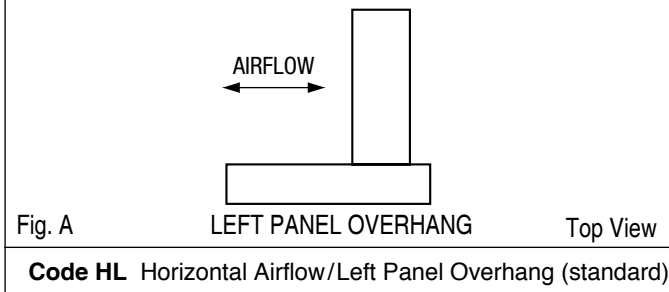
Thermostat Option:
SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

 Page 1 of 2.
 Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
9 - 1 - 21	DH	6 - 17 - 20	DH-1

HEATER CONFIGURATIONS

Airflow Direction/Control Panel Overhang



Important:

1. Nailor electric duct heaters are ETL listed, designed and built for either horizontal or vertical dual directional airflow. Standard horizontal configuration is Code HL Horizontal Airflow/Left Panel Overhang (Fig. A). Standard vertical configuration is Code VD Vertical Airflow/Panel Overhang Down (Fig. C). When heaters are supplied with an airflow switch (which can only sense flow in one direction), the airflow probe is installed in the factory facing towards the panel overhang. In other words, the air must pass the panel overhang first.

2. Before installing, inspect the airflow direction stamped on the airflow probe in the controls enclosure. The airflow direction on the stamp must be in the same direction as the air in the duct. If these two directions are opposite of each other, unscrew the two screws from probe, rotate 180 degrees, and reinstall the airflow probe.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 2 of 2.
 Dimensions are in inches (mm).

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