HeatShift LDK Duct Kits for 1100J, 1150J, 1400J, 1500J, 1600J, 1700J and 1800J

Framing & Clearances

Rough Frame Openings

LDK 1 = 49"
LDK 4 = 39"
LDK 3 = 15"

Min. 1” below finished ceiling

Framing on edge

LDK 1 & LDK 4

20” min.

Note - this depth is greater than the H5 cavity depth

Vertical vent will pass by plenum on 1500J, 1700J, 1800J and H6 model heaters without offsetting the vent. H5 model heaters will require min. 20” deep cavity and a vent offset to pass by the plenum.

See Installation Manual packed with appliance for minimum combustible cavity dimensions

Note - Min. cavity dimensions may be dictated by LDK plenum when installing across corners.

Min. 1/2” clearance to combustibles at ends

Rough Frame Openings

LDK 1 = 49”
LDK 4 = 39”

Min. 1” below finished ceiling

Framing on edge

LDK 3

LDK 3 = 15”

Framing on edge

2 x 4 on edge

Note - Min. cavity dimensions may be dictated by LDK plenum when installing across corners.
HeatShift LDK Duct Kits for 1100J, 1150J, 1400J, 1500J, 1600J, 1700J and 1800J

Framing & Clearances

LDK 1 & 4

LDK 3

Min. 2-1/2" clearance to ceiling

- Framing “on edge”
- 1-1/2" min. clearance to combustibles (top)
- 1/2" min. clearance to combustibles rear & sides
- 2 x 4 on edge to support plenum. Maintain 1" clearance to pipes
- 1" min. clearance to combustibles rear & sides all around pipes
Alternate Discharge Opening Using Valance Gap At The Top Of Wall

Minimum length of opening
L1 - 1500 = 40”
L2 - 1700 = 50”
L3 - 1800 = 64”

Space between mounting brackets may be left open to allow cavity to ventilate.

Combustible wall construction

Top of stand-offs
See installation manual packed with appliance for minimum combustible cavity dimensions

Non-combustible cement board

Minimum 8” min. 12”

Note: Staining or streaking may occur on light colored ceilings due to any dust, etc. in air flow. Maximizing the opening size will help reduce any staining or streaking.

Discharge cavity requires a base the entire length of the plenum outlet as a minimum otherwise beyond that it may be left open to allow cavity to ventilate and mix with discharge air.

Min. 1” clearance around pipes

2 x 4 on edge to support plenum. Maintain 1” clearance to pipes.

LDK 1 & LDK 4 ONLY - see clearances on page 6

HeatShift LDK Duct Kits for 1100J, 1150J, 1400J, 1500J, 1600J, 1700J and 1800J

Framing & Clearances

October 2016
HeatShift LDK Duct Kits for
1100J, 1150J, 1400J, 1500J, 1600J, 1700J and 1800J
Framing & Clearances

COMBUSTIBLE Mantel Clearances for Linear appliances
(when using LDK Duct Kits)

NOTE: These Mantel Clearances apply ONLY when LDK Duct system is installed

Combustible materials must be kept behind this line

Sidewall clearances remain as stated in the installation manual packed with the appliance.

Cement board as specified in installation manual packed with appliance

Linear appliances ONLY

NON-COMBUSTIBLE Flush Hearth/
Mantel Projections for Linear appliances
(when using LDK Duct Kits)

WARNING
RISK OF OVERHEATING AND FIRE!
Ensure LDK installation is complete AND internal convection baffle is removed (see manual) when using these combustible mantel clearances.

Max. 6" non-combustible projection allowed top and bottom, at edge of 1" trim. Only allowed when using LDK Duct kit.
COMBUSTIBLE Mantel Clearances for H5 and H6 appliances
(when using LDK Duct Kits)

Sidewall clearances remain as stated in the installation manual packed with the appliance.

NOTE: These Mantel Clearances apply ONLY when LDK Duct system is installed

Combustible materials must be kept behind this line

H5= 39"
H6= 44-1/2"

Mantel Height (from Bottom of Unit)

H5= 35"
H6= 40-1/2"

Note: Combustible wall finish up to 1” thick may be installed over cement board and butt up to flat trim plates OR fixed framing plate projection. DO NOT COVER PLATE OR PROJECTION WITH COMBUSTIBLES.

Cement board as specified in installation manual packed with appliance

4" minimum to combustible hearth

WARNING

RISK OF OVERHEATING AND FIRE!
Ensure LDK installation is complete AND internal convection baffle is removed (see page 12) when using these combustible mantel clearances.

Bottom of Unit