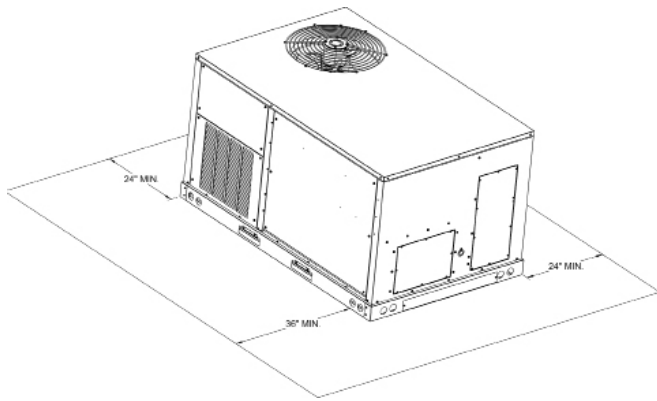


## CLEARANCES

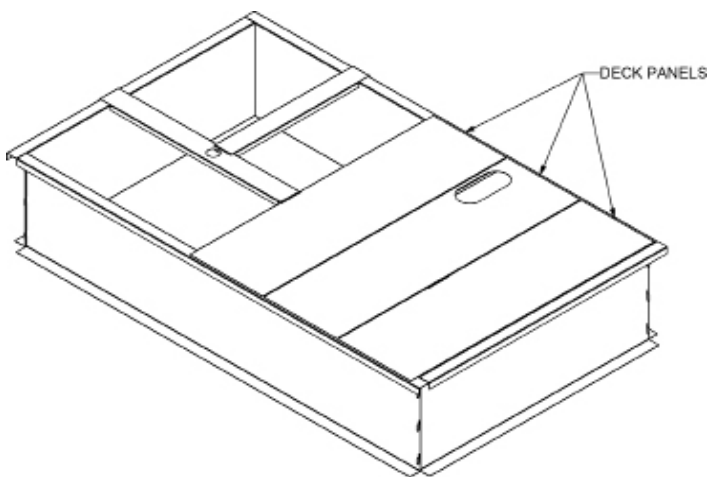


UNIT CLEARANCES

*\*In situations that have multiple units, a 36\"*

Adequate clearance around the unit should be kept for safety, service, maintenance, and proper unit operation.

A clearance of 48\"



ROOF CURB INSTALLATION

## ROOF CURB POST-INSTALLATION CHECKS

After installation, check the top of the curb, duct connection frame and duct flanges to make sure gasket has been applied properly. Gasket should be firmly applied to the top of the curb perimeter, duct flanges and any exposed duct connection frame. If gasket is loose, re-apply using strong weather resistant adhesive.

## PROTRUSION

Inspect curb to ensure that none of the utility services (electric) routed through the curb protrude above the curb.

**NOTE: IF FASTENERS ARE USED TO SECURE THE DUCT WORK TO THE CURB, THESE SHOULD BE INSTALLED HORIZONTALLY INTO THE FLANGES OF THE DUCT OPENING OF THE CURB.**



## CAUTION

IF PROTRUSIONS EXIST, DO NOT ATTEMPT TO SET UNIT ON CURB.

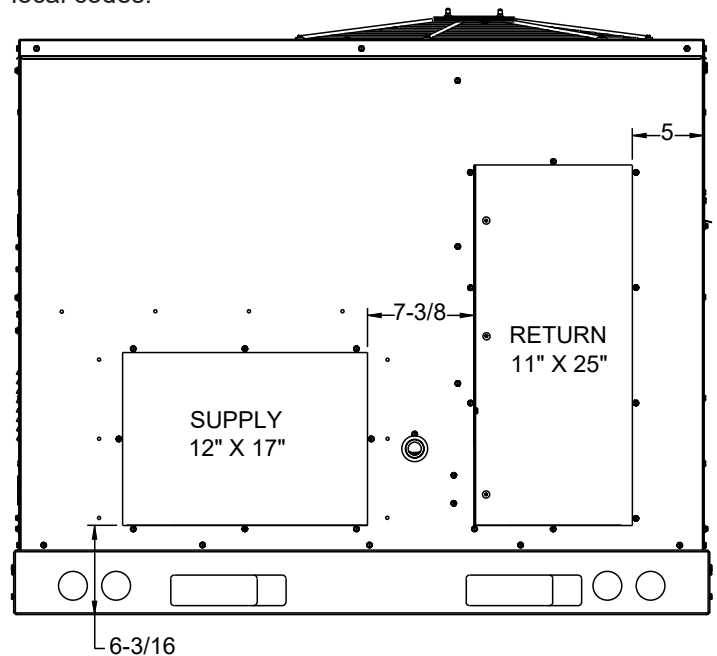
## ROOF TOP DUCT CONNECTIONS

Install all duct connections on the unit before placing the unit on rooftop.

### HORIZONTAL DISCHARGE

Refer to IOD-7082 included in the literature pack for installing horizontal duct covers.

Flexible duct connectors between the unit and ducts are recommended. Insulate and weatherproof all external ductwork and joints as required and in accordance with local codes.



HORIZONTAL DISCHARGE DUCT CONNECTIONS

## RIGGING DETAILS



## WARNING

TO PREVENT PROPERTY DAMAGE, THE UNIT SHOULD REMAIN IN AN UPRIGHT POSITION DURING ALL RIGGING AND MOVING OPERATIONS. TO FACILITATE LIFTING AND MOVING WHEN A CRANE IS USED, PLACE THE UNIT IN AN ADEQUATE CABLE SLING.



## CAUTION

IF UNITS ARE LIFTED TWO AT A TIME, THE FORK HOLES ON THE CONDENSER END OF THE UNIT MUST NOT BE USED. MINIMUM FORK LENGTH IS 42" TO PREVENT DAMAGE TO THE UNIT; HOWEVER, 48" IS RECOMMENDED.

PROVISIONS FOR FORKS HAVE BEEN INCLUDED IN THE UNIT BASE FRAME. NO OTHER FORK LOCATIONS ARE APPROVED.



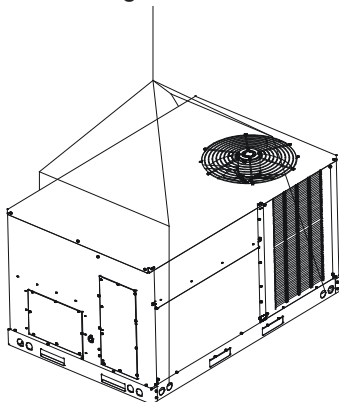
## WARNING

TO PREVENT POSSIBLE EQUIPMENT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, THE FOLLOWING BULLET POINTS MUST BE OBSERVED WHEN INSTALLING THE UNIT.

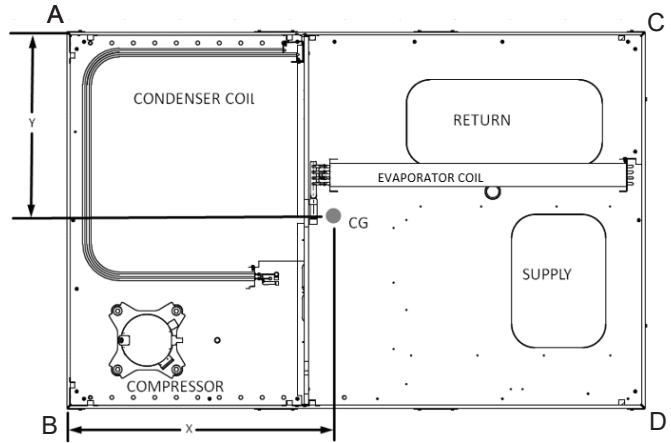
- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. Removal is accomplished by extracting the sheet metal retainers and pulling the struts through the base of the unit. Refer to rigging label on the unit.

**IMPORTANT: IF USING BOTTOM DISCHARGE WITH ROOF CURB, DUCTWORK SHOULD BE ATTACHED TO THE CURB PRIOR TO INSTALLING THE UNIT. DUCTWORK DIMENSIONS ARE SHOWN IN ROOF CURB INSTALLATION INSTRUCTIONS.**

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.



To assist in determining rigging requirements, unit weights and center of gravity are shown as follows:



### CORNER AND CENTER OF GRAVITY LOCATIONS

**NOTE: UNIT SHOULD BE LIFTED AT A POINT ABOVE CENTER OF GRAVITY.**

| Model    | Shipping Weight (lbs) | Operating Weight (lbs) | Corner Weights (lbs) |     |     |     | Length X (in) | Width Y (in) |
|----------|-----------------------|------------------------|----------------------|-----|-----|-----|---------------|--------------|
|          |                       |                        | A                    | B   | C   | D   |               |              |
| DSC0361D | 554                   | 484                    | 117                  | 142 | 80  | 145 | 34.4          | 28.6         |
| DSC0363D | 552                   | 482                    | 117                  | 140 | 80  | 145 | 34.5          | 28.6         |
| DSC0364D | 560                   | 490                    | 117                  | 142 | 80  | 151 | 34.9          | 28.9         |
| DSC0367D | 560                   | 490                    | 117                  | 142 | 80  | 151 | 34.9          | 28.9         |
| DSC0481D | 577                   | 507                    | 134                  | 152 | 87  | 134 | 32.3          | 27.2         |
| DSC0483D | 572                   | 502                    | 134                  | 147 | 87  | 134 | 32.6          | 27.0         |
| DSC0484D | 576                   | 506                    | 134                  | 147 | 87  | 138 | 32.9          | 27.2         |
| DSC0487D | 576                   | 506                    | 134                  | 147 | 87  | 138 | 32.9          | 27.2         |
| DSC0601D | 582                   | 512                    | 113                  | 166 | 104 | 129 | 33.7          | 27.8         |
| DSC0603D | 578                   | 508                    | 113                  | 162 | 104 | 129 | 33.9          | 27.7         |
| DSC0604D | 582                   | 512                    | 113                  | 162 | 104 | 133 | 34.3          | 27.8         |
| DSC0607D | 582                   | 512                    | 113                  | 162 | 104 | 133 | 34.3          | 27.8         |
| DSC0723D | 651                   | 581                    | 143                  | 178 | 90  | 170 | 33.1          | 28.9         |
| DSC0724D | 651                   | 581                    | 143                  | 178 | 90  | 170 | 33.1          | 28.9         |
| DSC0727D | 651                   | 581                    | 143                  | 178 | 90  | 170 | 33.1          | 28.9         |

THE NUMBERS MAY SLIGHTLY VARY DEPENDING ON INSTALLED OPTIONS.

### DSC WEIGHTS TABLE

| Model    | Shipping Weight (lbs) | Operating Weight (lbs) | Corner Weights (lbs) |     |     |     | Length X (in) | Width Y (in) |
|----------|-----------------------|------------------------|----------------------|-----|-----|-----|---------------|--------------|
|          |                       |                        | A                    | B   | C   | D   |               |              |
| DSH0361D | 606                   | 536                    | 95                   | 194 | 103 | 144 | 34.1          | 26.0         |
| DSH0363D | 605                   | 535                    | 95                   | 193 | 103 | 144 | 34.2          | 26.0         |
| DSH0364D | 613                   | 543                    | 95                   | 194 | 103 | 151 | 34.6          | 25.7         |
| DSH0367D | 613                   | 543                    | 95                   | 194 | 103 | 151 | 34.6          | 25.7         |
| DSH0481D | 657                   | 587                    | 95                   | 221 | 109 | 162 | 34.2          | 26.0         |
| DSH0483D | 652                   | 582                    | 95                   | 216 | 109 | 162 | 34.5          | 25.8         |
| DSH0484D | 656                   | 586                    | 95                   | 216 | 109 | 166 | 34.7          | 25.6         |
| DSH0487D | 656                   | 586                    | 95                   | 216 | 109 | 166 | 34.7          | 25.6         |
| DSH0601D | 670                   | 600                    | 101                  | 225 | 112 | 162 | 33.8          | 26.2         |
| DSH0603D | 666                   | 596                    | 101                  | 221 | 112 | 162 | 34.0          | 26.1         |
| DSH0604D | 670                   | 600                    | 101                  | 221 | 112 | 166 | 34.3          | 25.9         |
| DSH0607D | 670                   | 600                    | 101                  | 221 | 112 | 166 | 34.3          | 25.9         |
| DSH0723D | 715                   | 645                    | 110                  | 242 | 122 | 171 | 33.6          | 26.4         |
| DSH0724D | 715                   | 645                    | 110                  | 242 | 122 | 171 | 33.6          | 26.4         |
| DSH0727D | 715                   | 645                    | 110                  | 242 | 122 | 171 | 33.6          | 26.4         |

THE NUMBERS MAY SLIGHTLY VARY DEPENDING ON INSTALLED OPTIONS.

### DSH WEIGHTS TABLE



## CAUTION

TO PREVENT DAMAGE TO THE WIRING, PROTECT WIRING FROM SHARP EDGES. FOLLOW NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES. DO NOT ROUTE WIRES THROUGH REMOVABLE ACCESS PANELS.



## CAUTION

TO PREVENT SEVERE DAMAGE TO THE BOTTOM OF THE UNIT, DO NOT FORK LIFT UNIT AFTER WOOD STRUTS HAVE BEEN REMOVED.