



DID632A

- Flush ceiling active chilled beam
- Nominal width: 24" to suit t-bars at 2 ft centers
- High cooling performance with low primary air flow air requirements
- Two face designs
- Two or four pipe configuration (heating and/or cooling)
- Selection software featuring detailed comfort data and terminal velocities

Product Description



Ideal for schools and hospital patient rooms

TROX DID632A series active chilled beams feature angled heat exchangers and integral condensate trays. While this beam was specifically designed for use in spaces where controlling room humidity levels can sometimes be a challenge, such as K-12 classrooms and hospital patient rooms, the condensate trays are intended only as an added emergency feature should the humidity rise unexpectedly.

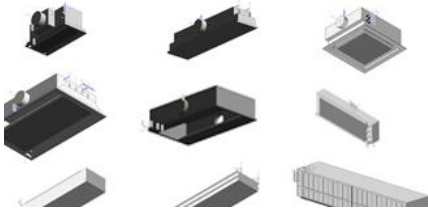
The design and positioning of the induction nozzles with the DID632A enhance the amount of secondary room air drawn across the internal heat exchanger, providing high cooling outputs with low amounts of primary air.

Benefits

- Reduced ductwork
- Reduced plant room sizes
- Up to 130 Btu/h cooling per sq ft. of floor space, while still maintaining a maximum air velocity of 50 fpm in the occupied zone¹
- 35% less primary air required for a typical application²
- Can reduce main AHU air requirement by up to 82% compared to VAV systems
- Up to 50% fewer chilled beams required for the same cooling capacity and primary airflow²
- ¹Based on room height of 10 ft and occupied zone height of 3.5 ft

²Compared to Trox DID622-HC active chilled beam

SELECTION TOOLS



ELECTION TOOL
IM FILE

TROX Chilled Beam Selection Program

				Project	Room No.	Comment
Input Data	4 pipe coil	2 pipe coil				
Room (ID)	1.00.000	1.00.000	heating			
Room height	2.70	2.70	heating			
Room area	10.00	10.00				
Room volume	29.70	29.70				
Room temperature	20.0	20.0				
Input Temperature	heating	heating		Input Room Dimensions		Altitude
Supply air temperature	16.5 °C	16.5 °C	16.5 °C	Room height (m)	2.70	1.0
Return air temperature	19.5 °C	19.5 °C	19.5 °C	Room width (m)	3.16	Additional
Supply air flow rate	0.00 m³/s	0.00 m³/s	0.00 m³/s	Room depth (m)	3.16	Yes
Return air flow rate	0.00 m³/s	0.00 m³/s	0.00 m³/s	Room floor height	0.00	
Room temperature	20.0 °C	20.0 °C	20.0 °C			

TROX TECHNIK
The art of handling air

Model Type:

Priority:

Plotting and Calculation: Pipe Sizing and Control

Results: 4 pipe coil 2 pipe coil

Model	Supply	Return	Flow
4 pipe coil	16.5 °C	19.5 °C	0.00 m³/s
2 pipe coil	16.5 °C	19.5 °C	0.00 m³/s

SELECTION TOOL
SELECTION PROGRAMM