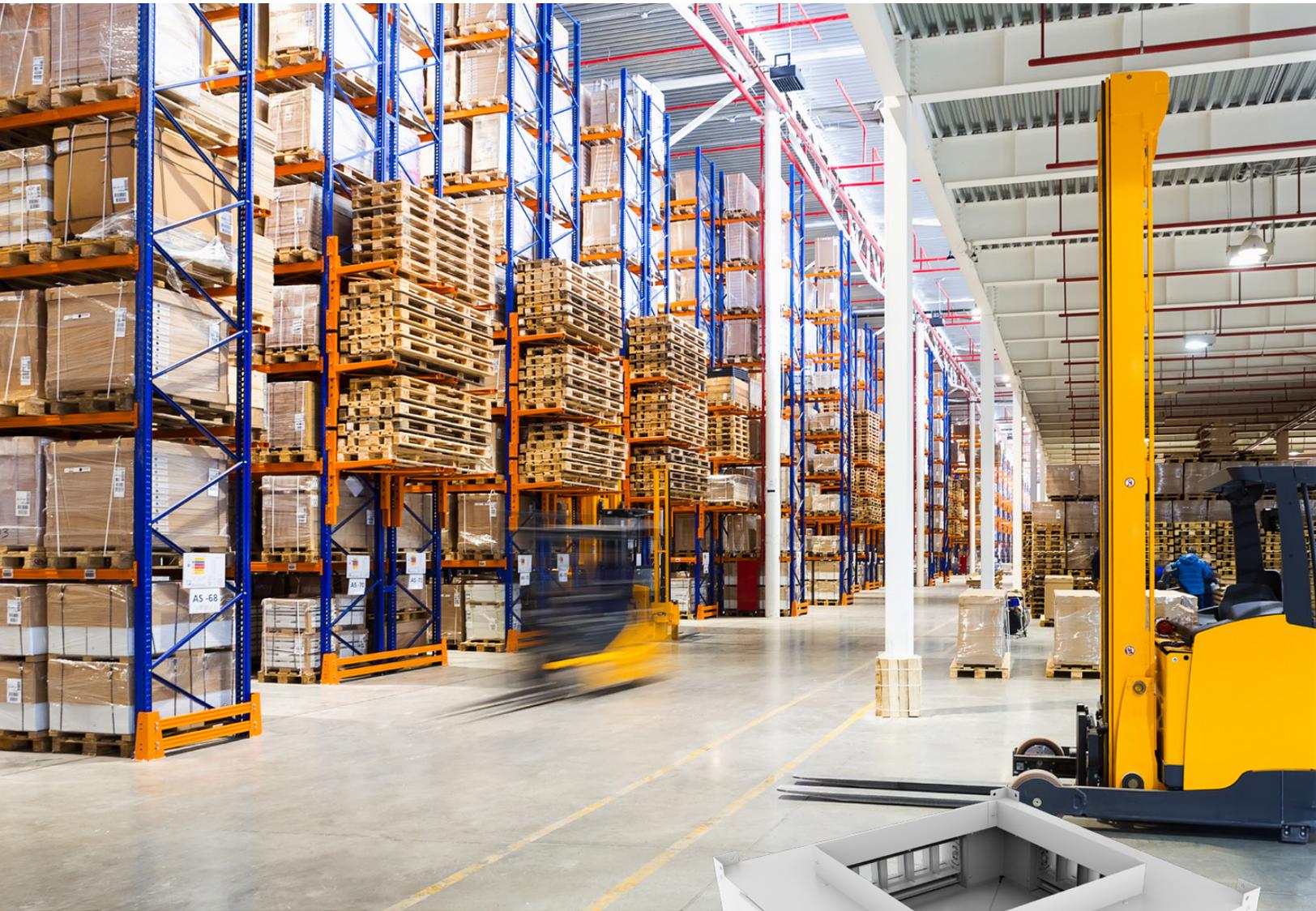


DBH

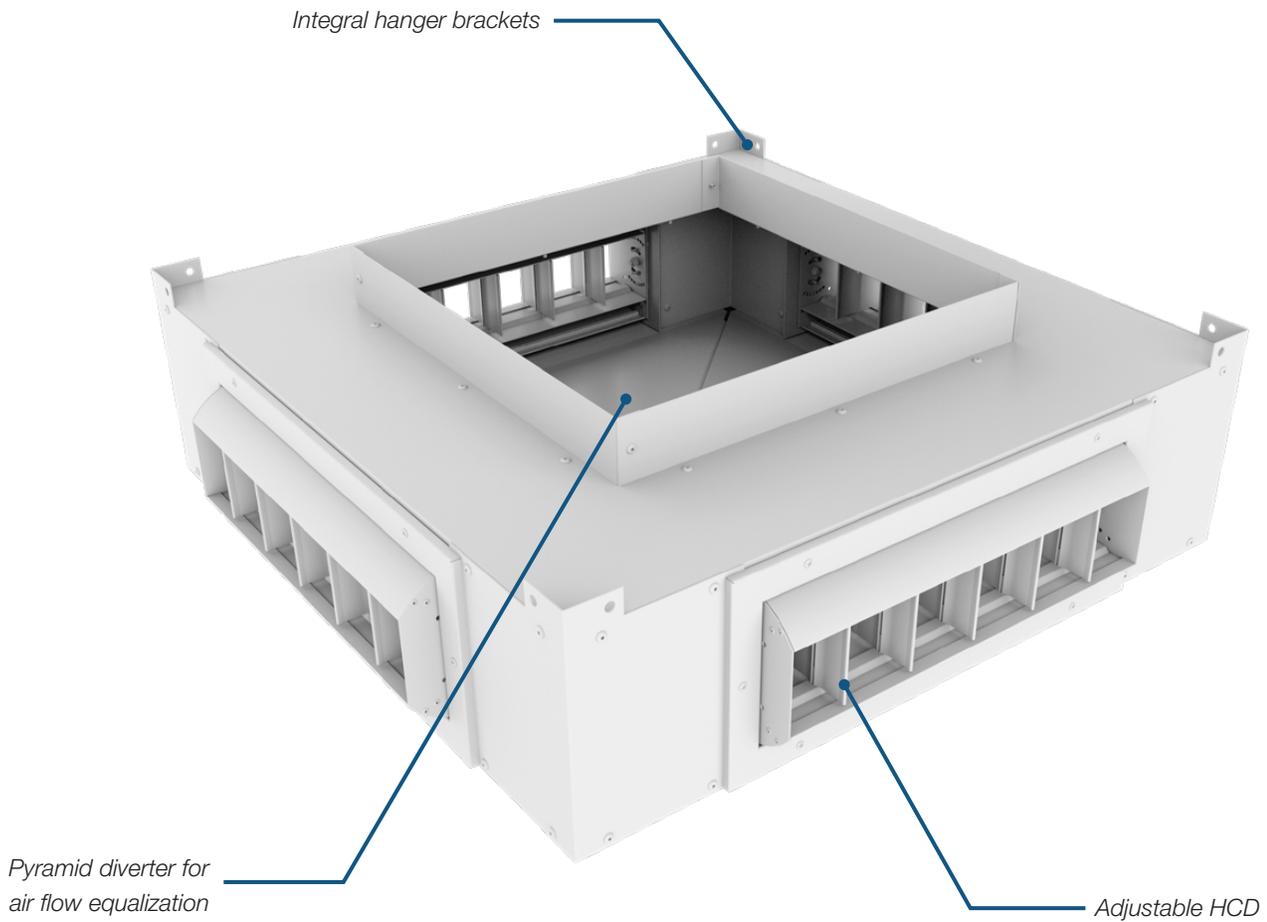
DROP BOX PLENUMS WITH HIGH-CAPACITY DRUM LOUVERS



DBH

Drop Box Plenums with High-Capacity Drum Louvers

Ideal for industrial applications, the Drop Box Plenum is a complete package from the factory including High-Capacity Drum Louvers (DBH). This single point air distribution system has adjustable 4-way pattern allowing for directional control ideal for spot cooling and heating.



PYRAMID DIVERTER

- + The Drop Box Plenums feature an acoustically perforated flow pyramid to minimize sound generated from air hitting the bottom of the plenum.
- + The shape of the pyramid diverter allows for air flow equalization across all grilles.

ADJUSTABLE AIRFLOW PATTERN

- + Adjustable blades allow side-to-side directional control.
- + Drum rotation of 60° allow for vertical adjustment and positive detent mechanism locks the drum at the desired angle.



Single Blade HCD



60° Incremented drum angle adjustment

TYPICAL APPLICATIONS

The DBH provides a single point air distribution system with long adjustable throws. The durable design makes the DBH ideal for use in industrial settings, warehouses, factories or any large, enclosed space.

CONSTRUCTION

- + Grille type
 - HCD
- + Material
 - Steel
- + Capacity
 - 7.5T
 - 15T
 - 30T
- + Option
 - Flanged inlet (FLNG)

PERFORMANCE DATA

DBH with HCD 4-Way

7.5T	Airflow (cfm)	1200	1500	1800	2100	2400	2700	3000	3300	3600
	Total Pressure (in. w.g.)	0.070	0.120	0.171	0.225	0.281	0.338	0.397	0.458	0.521
	Static Pressure (in. w.g.)	0.055	0.097	0.138	0.180	0.222	0.264	0.305	0.347	0.389
	Sound (NC)	19	27	33	38	42	46	50	53	55
	Throw (ft)	26-33-47	30-37-53	33-41-58	36-44-62	38-47-67	41-50-71	43-53-74	45-55-78	47-58-81
15T	Airflow (cfm)	2700	3300	3900	4500	5100	5700	6000	6600	7200
	Total Pressure (in. w.g.)	0.074	0.120	0.169	0.219	0.272	0.327	0.355	0.413	0.473
	Static Pressure (in. w.g.)	0.053	0.089	0.125	0.161	0.197	0.233	0.251	0.287	0.323
	Sound (NC)	22	28	34	38	42	46	48	51	54
	Throw (ft)	35-50-71	42-55-78	49-60-85	53-64-91	56-69-97	59-72-102	61-74-105	64-78-110	67-81-115
30T	Airflow (cfm)	5200	6300	7400	8500	9600	10700	12000	13100	14200
	Total Pressure (in. w.g.)	0.042	0.076	0.111	0.148	0.185	0.224	0.271	0.311	0.354
	Static Pressure (in. w.g.)	0.030	0.058	0.086	0.114	0.142	0.171	0.204	0.232	0.260
	Sound (NC)	23	29	34	39	42	45	49	52	55
	Throw (ft)	39-58-98	47-71-108	55-83-117	64-89-125	72-94-133	80-99-140	86-105-149	90-110-155	93-114-162

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air Flow is in cfm
3. All pressures are in in. w.g.
4. The NC values are based on a room absorption of 10dB re 10⁻¹² watts and one diffuser.
5. Blanks (-) indicate an NC level below 15.
6. Throw data is based on supply air and room air being at isothermal conditions.
7. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
8. The performance table above is based on units with 0° blade deflection and no dampers.



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