

2020
PRODUCTS

Product Catalogue
Eye Ball Diffuser



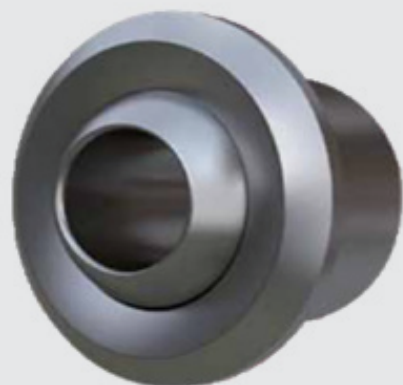
Khedr Trust
ALL AIR PRODUCTS

Eye Ball Diffuser products are manufactured by



**“Your comfort is
our priority”**

www.khedr-eg.com





Models

- EBD



Finish

- Standard Finish - White

Eye Ball Diffuser

Model Design

Khedr Model EBD Diffusers is suitable to use with long distance throw applications.

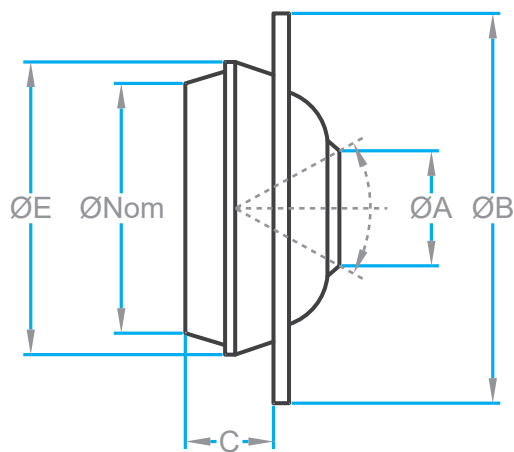
Air Pattern

The direction of air stream can be adjusted by hand within range of $\pm 30^\circ$.

- Dimensions

\varnothing Nominal	$\varnothing A$	$\varnothing B$	C	D	E	$\varnothing F$
60	85	250	120	51	225	200
200	110	295	150	66	270	245
250	140	345	190	81	320	295
315	175	415	265	90	390	360

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- Performance data

Size "ø Inch"	Terminal Velocity "FPM"	Throw "feet"	Air Volume "FPM"	NC	
ø 6"	50	30	85	< 20	
		60	165	< 20	
		100	250	33	
	100	30	165	< 20	
		60	330	40	
		100	495	51	
	200	30	330	40	
	ø 8"	50	30	105	< 20
			60	220	< 20
100			305	25	
100		30	220	< 20	
		60	435	35	
		100	655	47	
200		30	435	35	
		60	870	49	
ø 10"		50	30	135	< 20
	60		275	< 20	
	100		380	23	
	100	30	275	< 20	
		60	550	32	
		100	825	43	
	200	30	550	32	
		60	1100	51	

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V_T Terminal Velocity "FPM"
 NC re 8db room

- Performance data

Size "Ø Inch"	Terminal Velocity "FPM"	Throw "feet"	Air Volume "FPM"	NC
Ø 12"	50	30	180	< 20
		60	335	< 20
		100	540	23
	100	30	350	< 20
		60	700	28
		100	1055	40
	200	30	700	28
		60	1400	48
		100	2105	54
Ø 16"	50	30	235	< 20
		60	465	< 20
		100	700	21
	100	30	465	< 20
		60	930	28
		100	1395	39
	200	30	930	28
		60	1860	43
		100	2780	53

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VT Terminal Velocity "FPM"
NC re 8db room

- Selection Procedure

- 1- Determine the required CFM per each outlet as per cooling Load Calculation.
- 2- Determine the Throw required.
- 3- Select the suitable size that give the required CFM & Throw from performance data tables.

Selection Procedure Example

- 1- Required 700 CFM as per cooling load calculations.
- 2- Required Throw = 60 ft.
- 3- The size of shall be :

- A. Size \varnothing 8 , NC = 49.
- B. Size \varnothing 10 , NC = 43.
- C. Size \varnothing 12 , NC = 28.
- D. Size \varnothing 16 , NC = 21.

Size " \varnothing Inch"	Terminal Velocity "FPM"	Throw "feet"	Air Volume "FPM"	NC
\varnothing 8"	200	30	455	35
		60	870	49
\varnothing 10"	100	30	275	< 20
		60	550	32
		100	825	43
\varnothing 12"	100	30	350	< 20
		60	700	28
		100	1055	40
\varnothing 16"	50	30	235	< 20
		60	465	< 20
		100	700	21

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- how to order

Type	EBD	EBD
Material	A	A Aluminum S Steel
Size	\varnothing	\varnothing " Inch"
Finish	1	0 Aluminum 1 White Color 2 Other Colors
Damper	0	0 Without Damper 1 With Damper

Eye Ball Diffuser products are manufactured by Khedr Trust Co.

Other Products are provided by Khedr Trust Co.

Diffusers & Grills

- Square Ceiling Diffuser
- Circular Ceiling Diffuser
- Jet Diffuser
- Eye Ball Diffuser
- Swirl Diffuser
- Perforated Ceiling Diffuser
- Disc Valve Diffuser
- Linear Slot Diffuser
- Linear Bar Grill
- Supply / Return Grills

Louvers

- Aluminum Louvers
- Sand Trap Louvers

Dampers

- Volume Damper
- Fire Damper
- Smoke Motorized Damper
- Shutter Damper

Special Parts

- Sound Attenuator
- Plenum Box

Duct Works

- Galvanized Steel Duct
- Black Steel Duct
- Stainless Steel Duct
- Spiral Duct
- Flexible Duct
- Canvas
- Flanges



Khedr Trust

ALL AIR PRODUCTS



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