

20/21
PRODUCTS

Product Catalogue

Eye Ball Diffuser

Type (EBD)



Khedr Trust
ALL AIR PRODUCTS

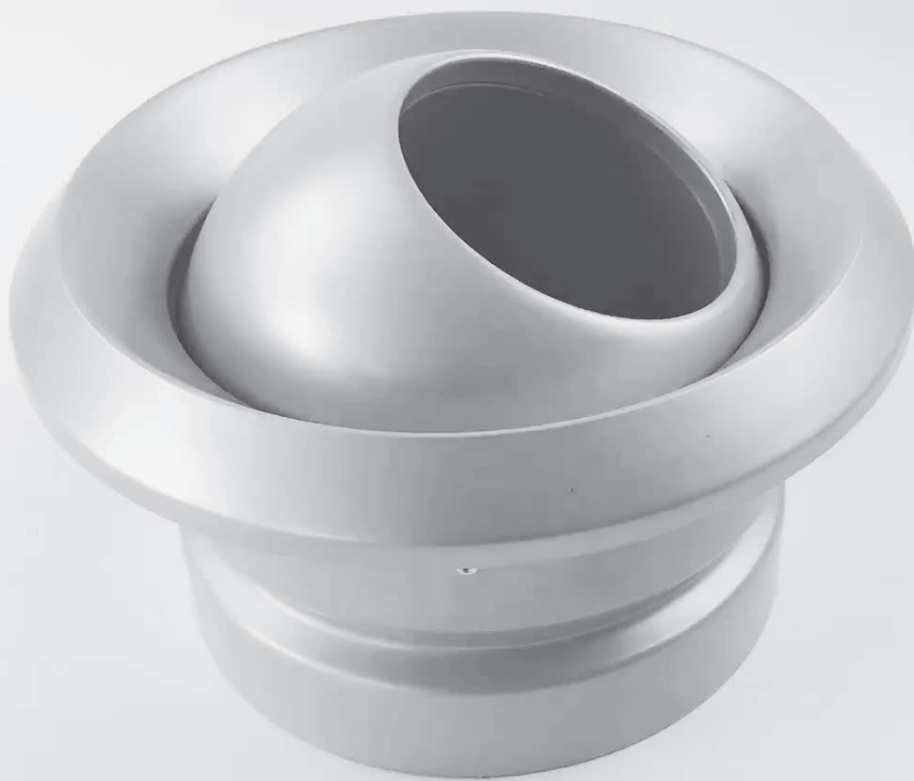
Eye Ball Diffuser products are
manufactured by



“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.

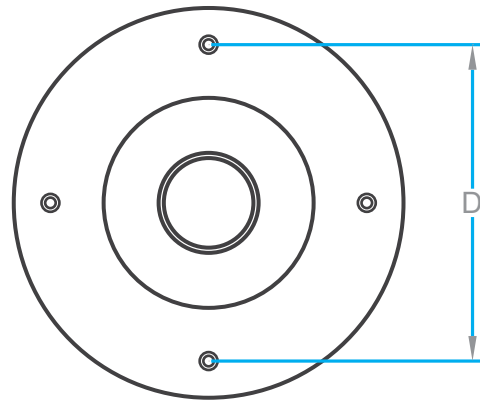
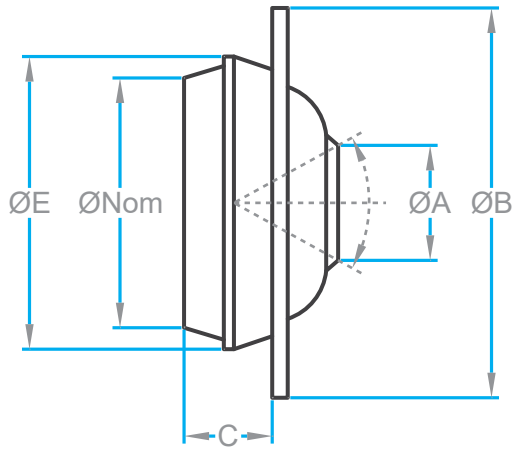
Air Pattern

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

- Dimensions

Ø Nominal	Ø A	Ø B	C	D	E	Ø 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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VT Terminal Velocity "FPM"
 NC re 8db room

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

Size "ø Inch"	Terminal Velocity "FPM"	Throw "feet"	Air Volume "FPM"	NC
ϕ 8"	200	30	455	35
		60	870	49
ϕ 10"	100	30	275	< 20
		60	550	32
		100	825	43
ϕ 12"	100	30	350	< 20
		60	700	28
		100	1055	40
ϕ 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	ϕ	ϕ " 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

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

Louvers

Aluminum Louver
Sand Trap Louver

Dampers

Volume Damper
Fire Damper
Smoke Motorized Damper
Shutter Damper
Pressure Relief Damper

Special Parts

Sound Attenuator
Plenum Box

Duct Works

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



Khedr Trust

ALL AIR PRODUCTS



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