



DYNAMIC  
**AIR** DIFFUSER  
MAKING AIR LOOK GOOD

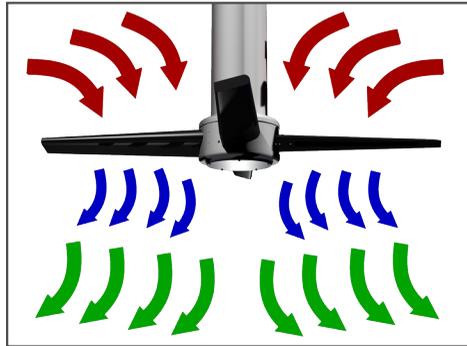
[dynamicairdiffuser.com](http://dynamicairdiffuser.com)

## ALL BETS ARE OFF.

Developed by Rev-Air Innovations, the revolutionary Dynamic Air Diffuser represents the next level of energy efficiency in ceiling fans. Acting as both a diffuser and a ceiling fan, the Dynamic Air Diffuser **REQUIRES NO POWER** by utilizing the forced air from the operating HVAC units in the building. Airflow from the attached ductwork flows through the diffuser's hub and out the engineered linear slots of the fan blades to produce it's turning motion without electrical assistance. The aerodynamic blades create smooth and effortless constant throw of mixed air in the conditioned space keeping the occupants comfortable with an even temperature from head to toe.



## A WINNING COMBINATION... DIFFUSER & CEILING FAN IN-ONE.



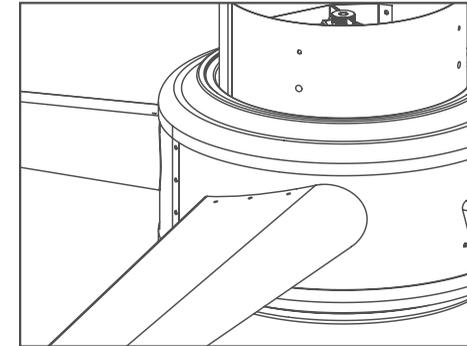
**THE SCIENCE** This innovative design will prevent any irritating hot and cold spots that we see when improper duct and static diffusers are used. The blade design and angle of the blade is engineered for optimal de-stratification of the air above in the ceiling space. By mixing this stratified air with the newly conditioned air; we can assist in providing a more 'floor to ceiling' even temperature.



**LOW NOISE LEVELS** Even though the Dynamic Air Diffuser runs at a greater CFM than the duct system, noise is not an issue. It not only performs at low NC values, but distributes a throw of air greater than that of your average static diffuser.



**COST & ENERGY SAVINGS** The design and function of the Dynamic Air Diffuser will add greater performance to the air conditioning system as well as assisting in reduced energy costs. It requires no power to operate therefore saving in operating costs as well as installation and material costs. With the Dynamic Air Diffuser running at greater CFM's greater in the duct system, Rev-Air Innovations is able to show that less duct runs will be added at design time, again saving money on materials, installation and balancing.



### BUILT TO LAST

- Heavy gauge aluminum hub and blade construction
- Upper and lower hub is spun for rigidity and appearance
- Blades are engineered and formed to allow for great aerodynamics
- Dual self-aligning oil-lite bushings
- Dual high quality thrust bearings
- Upper collar constructed of heavy gauge galvanized metal for a more secure connection
- Large selection of accessories and add-ons
- Standard powder coated colors of white, black, copper and aluminum
- Custom colors are available to match any architectural needs



## UNLIMITED POSSIBILITIES.

**CUSTOM BRANDING** Rev-Air Innovations can design your Dynamic Air Diffuser around your brand. Custom graphics capture your customers' interest, create name recognition, motivate action, and bring originality to your building space. The Dynamic Air Diffuser not only provides you with energy savings – it can earn you money by increasing awareness of your own product.

# IT'S WHAT'S ON THE INSIDE THAT COUNTS.

The Dynamic Air Diffuser was not only designed with functionality in mind, the need to keep it architecturally pleasing was a major factor. Our color choices will compliment any building style and looks more like a piece of furniture than your everyday static diffuser. The Dynamic Air Diffuser will make any office, restaurant, shopping outlet, recreational center, and airport or warehouse a more comfortable and visually appealing environment.



Toyota Dealership - Installed the Dynamic Air Diffuser in key locations in their newly constructed building



Tseshaht Marketplace - Installation of the first two Dynamic Air Diffusers in the market added a great architectural design

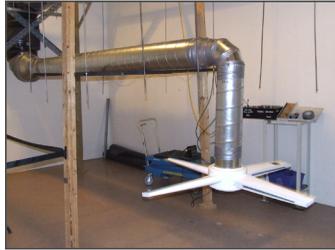




ENGINEERED TO DELIVER To give certainty that the Dynamic Air Diffuser will provide optimal performance, the final product was accurately tested in a laboratory setting. The result is **CONCISE, ACCURATE and REAL TIME DATA**, recorded in accordance with industry standards, giving the most accurate and reliable data possible.



Throw test in laboratory mock-up room



Testing for Sound & RPM



[dynamicairdiffuser.com](http://dynamicairdiffuser.com)

Available only at:  
**e.h.price**

[ehpricesales.com](http://ehpricesales.com)

# TRIED, TESTED AND TRUE

8" Dynamic Air Diffuser					
Airflow CFM	164	215	327	360	388
Blade RPM	31	38	58	63	79
Static Pressure	0.04	0.06	0.14	0.16	0.19
Velocity Pressure	0.02	0.03	0.08	0.09	0.09
Total Pressure	0.06	0.09	0.22	0.25	0.28
Throw in feet	1 - 2 - 5	1 - 3 - 7	2 - 4 - 9	2 - 5 - 9	3 - 6 - 9
NC Rating	20	27	38	40	42

\*All pressures are given in wg. All measurements are given in inches.  
\*Throw values for the 8" D.A.D. are based on an exposed installation at 10' A.F.F.

10" Dynamic Air Diffuser					
Airflow CFM	255	388	440	512	702
Blade RPM	27	35	45	54	74
Static Pressure	0.05	0.09	0.10	0.18	0.34
Velocity Pressure	0.01	0.02	0.03	0.04	0.09
Total Pressure	0.06	0.11	0.13	0.22	0.43
Throw in feet	1 - 3 - 8	2 - 4 - 9	2 - 5 - 10	3 - 7 - 11	4 - 8 - 12
NC Rating	21	33	35	42	51

\*All pressures are given in wg. All measurements are given in inches.  
\*Throw values for the 10" D.A.D. are based on an exposed installation at 13' A.F.F.

12" Dynamic Air Diffuser							
Airflow CFM	350	450	653	758	835	967	1069
Blade RPM	22	29	41	48	54	62	70
Static Pressure	0.05	0.07	0.14	0.18	0.23	0.27	0.32
Velocity Pressure	0.01	0.01	0.02	0.04	0.07	0.07	0.10
Total Pressure	0.06	0.08	0.16	0.22	0.31	0.34	0.42
Throw in feet	n/a	n/a	2 - 4 - 11	2 - 5 - 12	3 - 6 - 13	4 - 8 - 13	4 - 9 - 14
NC Rating	21	29	40	43	47	54	58

\*All pressures are given in wg. All measurements are given in inches.  
\*Throw values for the 12" D.A.D. are based on an exposed installation at 16' A.F.F.