
DISKFAN®



Ideal for Remodels/Construction

The Ultimate Fan System

Quality Engineered to Last

Unmatched Design Features



Technical Data



Provides Air Filtration

Improves Air Circulation

Balances Air Temperature

No Hazardous External Blades

Can be Mounted over A/C Vents

Tel: 858-279-2823 / www.diskfan.com

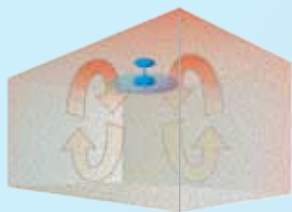
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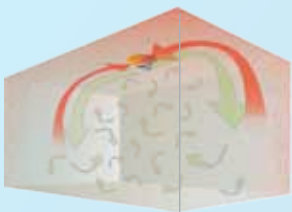
Offers The Most Options for Full Air Flow Control

Comparisons of effectiveness between “typical” ceiling fans and DISKFANS

Uncooled Air Circulation/Air Quality



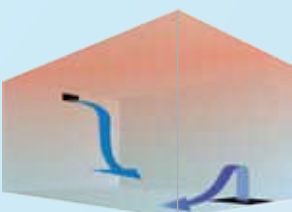
Typical ceiling fans, to work, must blow air upwards or downwards (diagram at left) to create a wind (pale arrow areas) able to evaporate perspiration to cool one’s skin. The downside affects are: unchanged room temperature, stirred-up and blowing dust (speckles), dry skin, 78°+ F to perspire, sore eyes from dryness and flickering shadows and the danger from moving blades. Any cool air is quickly warmed as it mixes with the hot air from above.



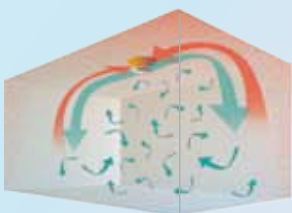
DISKFANS pull hot air up while removing dust—via a foam filter. The air then blows out swiftly, wafting away collecting body heat and allowing cooler air to moderate the warmer air. There are no external blades to disturb the situation.



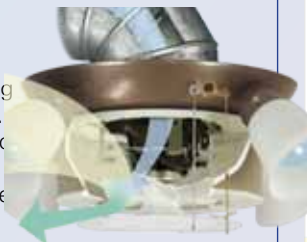
Cooled Air Circulation/Ducting



Air conditioning ducts mounted in walls and floors blow cool and warm air into a room. Hot air rises and cool air sinks. These resulting uneven pockets can turn off the HVAC thermostat prematurely or too late. Without a fan to maintain circulation, there is little or no control over air flow. DISKFANS level the temperature. Typical built-in HVAC systems pull in air and dust from the floor level. DISKFANS capture dust from all the air in the room.



DISKFANS can be mounted onto centralized air conditioning ceiling ducts (right). Typical, bladed ceiling fans cannot be mounted this way. DISKFANS take the fresh, cooled or heated air and distribute it evenly throughout a room while simultaneously removing dust.

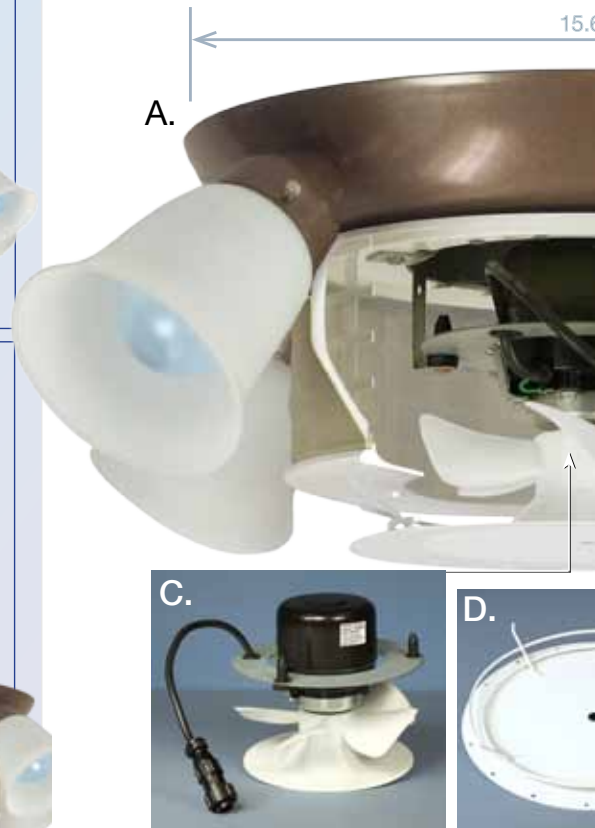


Airflow Patterns — DISKFAN’s unique design allows its internally housed fan blades to pull tainted air (red arrows) through its outer protective air filter system, compress that air and then eject it out (blue paths) with a force able to firmly move and gently remix the cleaner, fresher air with the existing air (green arrows) in a large room 17.5 ft. x 20 ft. (350 sq. ft.).

Modular-Based Design

DISKFAN’s modular design is easy to trouble

The DISKFAN’S modular components are few and easily purchased online as needed. They are: A. DISKFAN Base (Upper Light Fixture Base with fitted socket shells plus top and bottom round plates), B. Colored Cloth Filter Covers, C. 5-Blade Propeller Disk Assembly, D. Guard Grill, and E. Foam Filter.



Additional Information

This brochure is for professionals wanting to include a DISKFAN in their project. Also, we know that to do a remodeling or construction job well, the client needs to be involved, particularly in the more “aesthetic” issues. So we have a design brochure for your sales agents, clients, interior designers, architects, and others needing to decide colors, stylistic elements and more (A). A 12-page booklet (B) describes, step-by-step how to install a DISKFAN and all the available accessories.

This booklet is shipped with every DISKFAN.



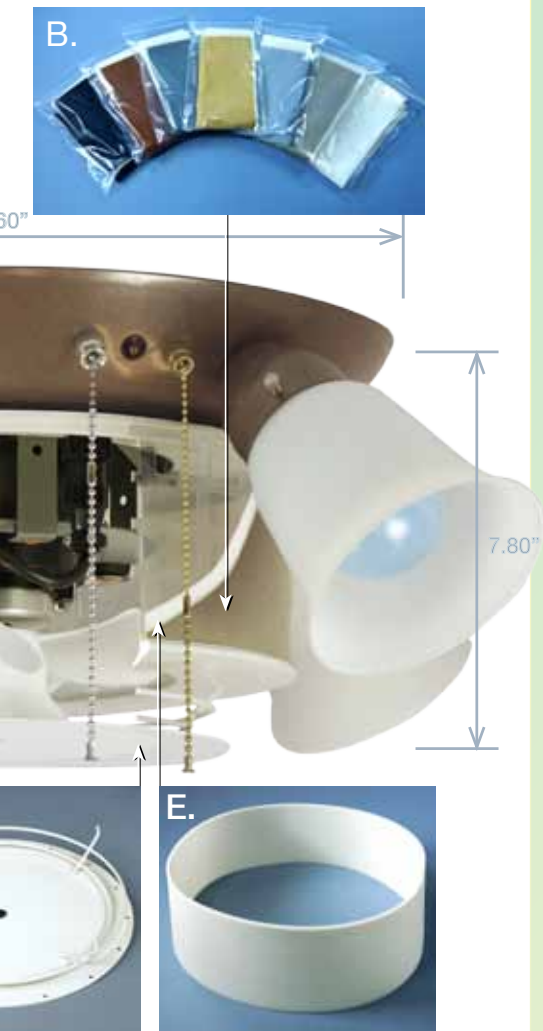
A. Designers Brochure

B. Installation Booklet

Air circulation, filtration, and temperature control; mounting flexibility; easy installation, simple maintenance, green features, UL and safety compliances

for Ease of Servicing

troubleshoot, replace parts and to clean

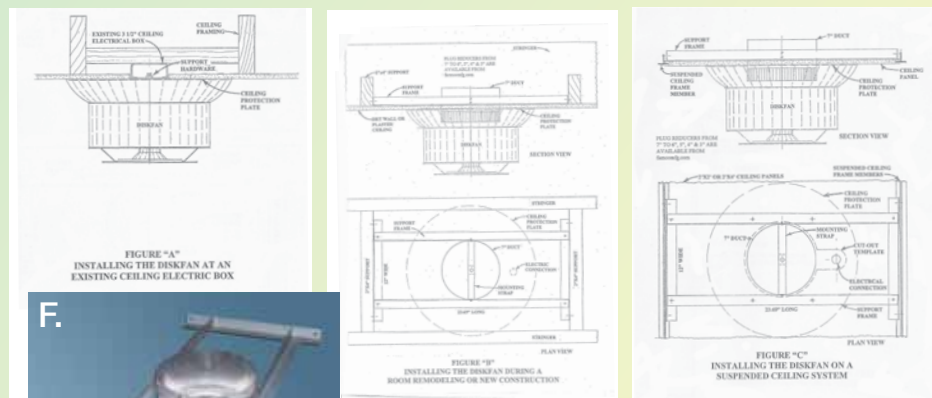


Standard Installation, Mounting Flexibility

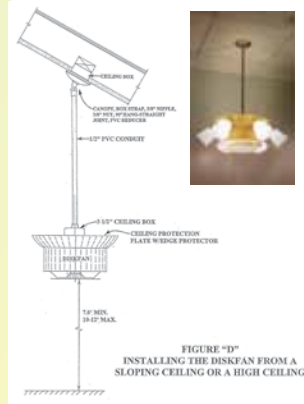
Installs using an electrical box. Light enough for suspended ceilings and more



DISKFANs can be installed using an existing ceiling electrical box by a handyman — this simplicity makes the DISKFAN ideal when designing and finishing a remodeling job or a new construction project. The images above suggest how easy it is to mount a DISKFAN onto an electrical box and to connect the wiring, snap the motor onto its mount and to slip on the Foam Filter and Colored Cover Cloth. As aids, we provide schematics (shown below) for the four common mounting situations: an existing ceiling (fig. A), a remodeling project (Fig. B), suspended ceilings (Fig. C), and an easy mounting method for sloping or for high ceilings (Fig D).



Inserts "F." and "G." are items you can order as needed (F. Prefab Support Frame. G. 3.5-in. Duct Damper Orifice Part).



Our Promise of Quality

"I love the detailing involved with engineering. So, when we had to design a facility in the 1990s that reduced dust and moved air quietly, I invented the DISKFAN. I've been perfecting it ever since. Today, I can assure you each part of your DISKFAN system has been tested and is well constructed using the best materials for durability, reliability and safety. Every element of your DISKFAN's design is aimed at providing you simplicity of use, for making your home or office healthier and to assure your greater comfort."

Gene Cook, RCE, CEO
E.F. Cook & Associates, LTD DBA DISKFAN



Eugene "Gene" Cook, DISKFAN's inventor is semi-retired, but maintains his Registered Civil Engineering license and works on local land development projects. The large scope of his projects between 1955 and 2005 established him as one of San Diego's most respected land planners and land improvement engineers. Here he sits in front of the 20,000 sq. ft. office building he built in Clairemont and where his offices are currently located.



DISKFAN is certified by Underwriters Laboratory and holds a patent and registered trademark from the United States Patent and Trademark Office.

Discover **DISKFAN**® today!

Find and order all your choices at: www.diskfan.com

or call now: 858-279-2823

Specifications and Technical Notes

Classification:	Room Air Circulating Fan
Patent Status:	Awarded
Certifications:	Underwriters Laboratories, September 2011
Dimensions:	A DISKFAN Top Fixture Base Unit measures 7.8 in. high with a diameter of 15.60 in. (20.57 cm x 40.00 cm). Diameter with Lamps varies per order.
Weight:	Top Fixture Base Units typically weigh less than 10 lbs. without any lamps or support frame. With up to eight lamps and a support frame needed for a suspended ceiling, a typical total weight is 12 lbs. Lamp glassware further increases to a typical total weight of about 19 lbs.
Motor:	Models 7RA, 7RB: ultra low energy, ART1C SSC Electronic Commutated Motor (ECM) motors featuring dual speeds: 1300 rpm and 1800 rpm. These motors outperform both shaded pole (300% higher efficiency) and PSC motor technologies (45% higher efficiency). Design life of these motors is 10 yrs. or 83,720 hrs.
Noise levels:	Models 7RA, 7RB: at 1300 rpm generates 46.6 dba and at 1800 generates 49.9 dba at 6 ft. below a DISKFAN unit.
Energy:	DISKFAN model 7RA and 7RB are available in 115v and 230v power versions and consume 3.5W at 1300 rpm and 8.3W at 1800 rpm. Energy usage for lighting varies with the number of lamps per unit. Light bulbs are limited to a maximum 60 W incandescent bulbs per socket. This information is published in our installation booklet. DISKFAN units can have up to 8 lamps.
Electrical:	DISKFAN is to be mounted on a standard ceiling-mounted electrical box. Power initiated by pull-chain or by wall switch. Wiring charts are provided.
Lamps:	Light sockets with a 2.25-in. fitter diameter can be added to a basic unit in sets of 3, 4, 5, 6, and 8 lamps. Recommended light bulbs are 60W, incandescent bulbs producing 950 lumens or a 19W fluorescent bulb producing 1200 lumens.
Air Circulation:	Able to fully circulate air in a 350 sq. ft. (32.5 sq. m.) room, w. 17.5 ft. x l. 20 ft. x h. 8 ft. DISKFANs are designed for the bottom Guard Grill to be a minimum of 7 ft. (2.058 m.) above the floor level.
Air Filtration:	Every DISKFAN comes with a Foam Filter belt (S-70 reticulated polyurethane foam) that slips over the filter frame that forms the bottom half of the DISKFAN unit's Base Unit.
HVAC:	A DISKFAN can be mounted to 7-inch round HVAC air conditioning supply duct. An orifice damper can be installed in the DISKFAN to reduce AC duct airflow.
Mounting:	Four primary mounting situations are possible. A. installation of a DISKFAN on an existing ceiling electrical box, B. installation during a remodeling or new construction project, C. installation on a suspended ceiling system and D. installation involving a sloping or high ceiling. Instructions for all of these situations can be found in the instruction booklet that accompanies every DISKFAN and as downloadable PDF files at www.diskfan.com . The Prefab Support Frame is designed to fully support the DISKFAN and not the heavier, oscillating external blade fans.
Materials:	All materials used in a DISKFANs design have been tested for heat, cold, tension, crushing, wear/durability and safety. Upper Light Fixture Base: spun from .060" soft aluminum. Fitter Socket Shells: spun from .080" soft aluminum. Top and Bottom Round Plates: injected molded white polycarbonate. Filter Support Spacer: 0.040" clear polycarbonate. Metal Duct and Support Brackets: electro-galvanized steel. Five Blade Propeller and Disk Assembly: injection molded polycarbonate. All DISKFAN materials and components are Underwriter Laboratory Inspector approved and therefore we are allowed to add the UL label to our DISKFANs.

Features and Benefits

Efficient and more Comfortable Air Circulation Performance

- Blends air as it circulates
- Stops cold and hot spots, reduces complaints of chills, sweats and drafts
- Can be connected to a regular ceiling electrical box
- Mounting device allows it to hang from a sloping or high ceiling
- Lightweight (only 10-20 lbs.) – can be mounted in suspended ceilings
- Circulates air in a 360° pattern
- Filters out dust as it circulates the air
- Can move air in a large, 350 sq. ft. room (17.5 ft by 20 ft.)
- Two speed control (1300 and 1800 rpm)
- Quiet operation (46.6 db and 49.4 db)
- No wind noise as with typical 3-foot, exterior mounted blades

Inexpensive and Easy to Maintain

- No more quarterly struggling to clean four, 3-foot long blades
- Usually only requires a few minutes to change a filter cloth once per year
- Operates for less than 3 cents per 24-hour day (at 20 cents per Kilowatt Hour)

Easy Installation

- Can be installed by any experienced "handyman"
- Mounts onto standard ceiling electrical box
- Full step-by-step instructions with each DISKFAN

Wide Range of Decorative Options

- Wide range of DISKFAN housing colors (7)
- Full range of Filter Cover colors (10)
- A DISKFAN can be ordered with 0, 3, 4, 5, 6 and 8 lamp fitters
- DISKFAN 2.25" fitters allows use of over 40 lamp shade styles

Design and Unique Customization Features

- Can be mounted under air conditioning ducts
- Can have wall-mounted or wand-controlled power switches
- Includes procedural steps and layout plans for four major installation situations
- Can also be stylistically refined with design accessories (some not shown here)

Superior Safety

- No more spinning 3-foot wooden or metal blades
- No more possibilities of blades flying off into a room
- No more wobbling fan motors overhead
- No more need to place weights to balance blades individually
- DISKFAN blades are safely housed inside each unit



Discover **DISKFAN®** today!

Find and order all your choices at: www.diskfan.com

or call now: 858-279-2823