



## ENERGY SAVINGS • COST EFFECTIVE • EFFICIENT

IDEALLY SUITED FOR CIRCULATING AIR IN INDUSTRIAL AND COMMERCIAL APPLICATIONS.

### FEATURES

#### NEW DC MODELS.

- Available with 48", 56" and 60" blade sweeps.
- Cutting Edge Technology DC motor.
- High Performance or High Performance Weather Proof.
- Up to 70% more energy efficient.
- 5 speed with forward and reverse.
- Extremely quiet.
- Extended motor life. 10 yr warranty.
- Faster startup, stop, change speeds and reversing.
- Easy to install, 50% less weight.
- Air Movement and energy consumption:  
56" DC model 244 CFM/watt vs 106 CFM/watt AC model.

**NRCAN AND DOE COMPLIANT FOR CANADA AND THE USA.**

In winter, ceiling fans are used to destratify hot air otherwise trapped at ceiling level (Hot air is moved back to floor level where it keeps employees warm and comfortable). This can result in savings of up to 30% on heating costs.

In summer, ceiling fans run at higher speeds creating an evaporative cooling effect, keeping employees cool, and productivity higher.

### DC vs AC FANS

DC fans are highly energy efficient, up to 70% more energy efficient than AC fans. The initial cost is higher than comparable AC fans but the efficiency of DC fans recovers the cost over time on your energy bill. You will see the best returns in locations with high electricity rates.

You can expect less noise and more speed control with a DC fan. DC fans are extremely quiet, even at low speeds. With the extra control over the fan's speed you can manage airflow better, further reduce power consumption and increase life expectancy of DC fans by not being forced into a fixed higher speed to meet your airflow needs.

DC motors require minimal maintenance and produce less heat compared to AC motors, increasing the lifespan of the fan. Parts can be more expensive for a DC motor however, that is why we back up our motors with a 10 year warranty so you can feel confident in your investment.



### CONTROL

#### RREM-DCQ014-W

- Wall mount speed control for DC motors only.
- Controls up to 5 DC fans.
- ON/OFF, 5-speed forward & reverse.

#### IMPORTANT NOTICE:

In order to operate, DC industrial fans MUST be installed with our RREM-DCQ014-W wall control. DC fans not for use with MC controls.

### PERFORMANCE DATA & SPECIFICATIONS

MODEL NUMBER	COLOUR	FAN SIZE	CFM	VOLTAGE	CFM/W	FORWARD & REVERSE	DOWNROD LENGTH	SHIPPING WEIGHT (LBS)
CP48D11N	WHITE	48"	7370	120	211	YES	16"	17
CP56D11PN (c/w cord + plug)	WHITE	56"	8449	120	244	YES	16"	18.5
CP56D11N	WHITE	56"	8449	120	244	YES	16"	18.5
CP56D10N	BLACK	56"	8449	120	244	YES	16"	18.5
CP56D1136N	WHITE	56"	8449	120	244	YES	36"	22

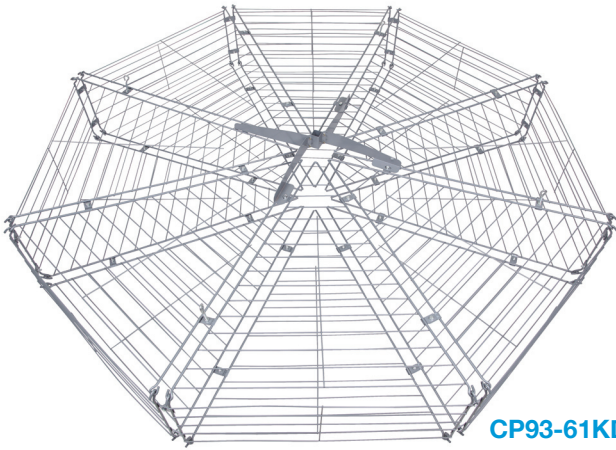
### HIGH PERFORMANCE, WEATHER PROOF, WATER RESISTANT MODELS

Equipped with rubber gaskets & stainless screws. Ideally suited for agricultural buildings.

MODEL NUMBER	COLOUR	FAN SIZE	CFM	VOLTAGE	CFM/W	FORWARD & REVERSE	DOWNROD LENGTH	SHIPPING WEIGHT (LBS)
CP48DW11N	WHITE	48"	7370	120	211	YES	16"	17
CP56DW11N	WHITE	56"	8449	120	244	YES	16"	18.5
CP60DW11N	WHITE	60"	8944	120	259	YES	16"	18.5

## INDUSTRIAL FAN GUARD

GREAT FOR FACTORIES, FARMS, SCHOOLS AND WAREHOUSES



CP93-61KD

### FEATURES

- 61" W x 26" H
- Knockdown construction.
- Installs in minutes.
- Use with Canarm 48", & 56" ceiling fans.
- Painted grey finish.
- Shipping weight - 21 lbs.

## DOWNRODS & MOUNTING KIT



DCR3610



DCR0811



DCR3611

MODEL	DESCRIPTION
DCR0811	8" Downrod for Industrial Ceiling Fans White, complete with lead wire and safety cable
DCR3611	36" Downrod for Industrial Ceiling Fans White, complete with lead wire and safety cable
DCR3610	36" Downrod for Industrial Ceiling Fans Black, complete with lead wire and safety cable
DCR08WR11	8" Downrod for Industrial Ceiling Fans White, water resistant, complete with lead wire and safety cable
DCR36WR11	36" Downrod for Industrial Ceiling Fans White, water resistant, complete with lead wire and safety cable
DCR36WR10	36" Downrod for Industrial Ceiling Fans Black, water resistant, complete with lead wire and safety cable
CP99	Angular Mounting Kit

## CONTROL



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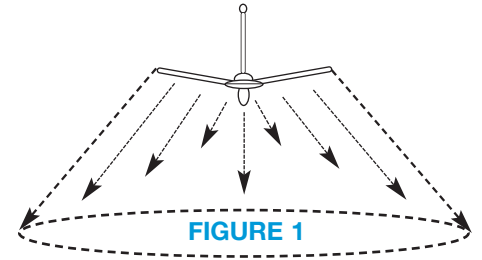
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## HOW TO CHOOSE A FAN

Ceiling fan choice and layout is based on ceiling height and the floor area of the building. As the height of the ceiling increases, larger and more powerful fans are required to achieve destratification.

The floor air coverage of a fan will be greater the higher the ceiling of the building. This is because of the natural cone shape of the air pattern produced by the fan. (See Figure 1)



Canarm provides two types of fans:

- The traditional ceiling fan, low cost, good performance, great for dry locations.
- The high performance, water resistant models - great for more demanding applications with high moisture or greater air velocity requirements.

Use the following chart to choose the correct fan size/type and quantity to suit your requirements.

See the example below.

CEILING HEIGHT	SUGGESTED FAN SIZE	FAN FLOOR AREA COVERAGE (SQ. Feet)
12' - 13'	48"	950
14' - 15'		1150
16' - 17'	56"	1400
18' - 19'		1600
20' - 21'		1800
22' - 25'	60"	2250
26' - 30'		2700

### EXAMPLE:

What size & how many fans would be required for a building that is 100 feet wide x 250 feet long & has as ceiling height of 16 feet?

- By using the chart above, we see that a ceiling height of 16 feet requires a 56" fan.
- Floor Area of the building = 100 feet wide x 250 feet long = 25,000 square feet.
- From the chart, we know that the Fan Floor Area Coverage of the 56" model is 1400 square feet at a 16 foot ceiling height.
- Therefore, the number of fans required = Floor Area of building / Fan Floor Area Coverage:  
25,000 square feet / 1400 square feet = 18 fans.

A typical layout for this building is illustrated below.

An additional fan should be used about 10 feet in front of each shipping door to act as an air curtain & reduce heating bills in the winter.

