Model AF High-Velocity Fans

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Moffitt
NATURAL VENTILATION SOLUTIONS

Model AF Product Details

PRODUCT DESCRIPTION

Model AF or “Airwave” air circulating fans provide an even stream of air around the warehouse or work area. These mounted units are often called "spot cooler" fans because they focus a high-velocity jet of air directly on factory personnel. Designed for mounting on either the wall or a building column. Easy to adjust direction. These units are more effective than pedestal fans for cooling a large space and generally take up less floor space as well.

STANDARD FEATURES

- Motor: Direct Drive
- High performance zinc-alum propeller.
- Material: Heavy gauge steel drum
- Housing: Attractive deep spun 14-gauge steel housing.
- Safety Guards: 1/2” mesh galvanized steel screen, on inlet and exhaust. No exposed moving parts.
- Mounting: Motor mounting bracket designed to fit most off the shelf motors.
- Power: Cord furnished (single phase only)
- Coating: Housing coated with a thermally fused powered polyurethane black finish
- Warranty: 2-year warranty

OPTIONAL FEATURES

- Three phase motor
- Oscillators
- Multiple propeller options

PRODUCT BENEFITS

- Spark resistant, cast aluminum propellers are safer than steel propellers. Especially useful in environments with explosive materials, fumes, or vapors.
- Rugged, Heavy-duty construction provide long, dependable service even in the most sever conditions.
- Mounting flexibility to provide cool, fresh air where it is needed most.

INDUSTRIAL APPLICATIONS

- Warehouses
- Assembly Areas
- Storage Areas
- Workshops
- Garages and Docks
- Break Rooms

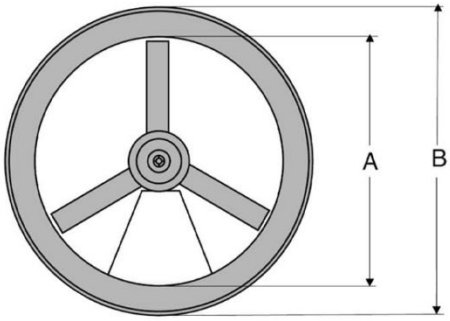
Model AF-CS Submittal Data

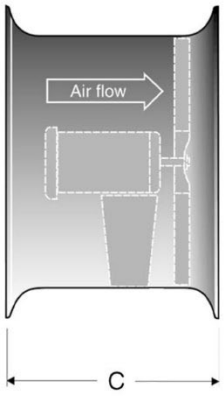
PRODUCT DESCRIPTION

Model AF-CS chain-suspended, high velocity fans provide an even stream of air around the work area or warehouse. They effectively distribute air to 100% of the area. This is more desirable than pedestal fans which can only cool a limited area and often get in the way in production or warehouse operations. The chain suspension installation is the most popular, simple, and low-cost method of installation. These high velocity fans provide an even stream of air around the work area or building, effectively distributing air to 100% of the area.

STANDARD FEATURES

- Drive: Direct
- Housing: Attractive deep spun14 gauge steel housing.
- Safety Guards: 1/2" mesh galvanized steel screen for inlet and exhaust.
- Mounting: Motor mounting bracket designed to fit most standard off the shelf motors.
- Power Cord: furnished on single phase units.
- Coating: Housing coated with a thermally fused powered polyurethane black finish.





SIZE MODEL	CFM	RPM	HP	COVERAGE (SQ FT)	DISTANCE (FT)	A	B	C	D	E	SHIP WEIGHT
AF-YM-14	2690	1725	¼	1800	60	14 ½	20	16	4	12 ¾	45
AF-YM-18	3950	1725	½	2400	80	19	24	16	4	15	68
AF-YM-22	5630	1725	½	3600	120	22 ¼	29	16	4	16 ⅝	75
AF-YM-30	12050	1725	1	12000	200	30 ½	37	22	4	20 ¾	125

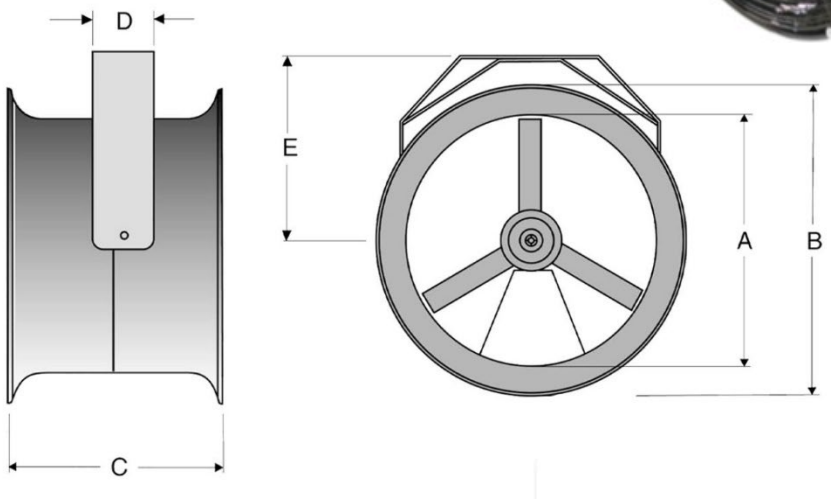
Model AF-YM Submittal Data

PRODUCT DESCRIPTION

Model AF-YM yoke mounted allows for easy adjustment up and down and side to side. Can be mounted to overhead beams or any other flat surface. This type of mounting is also practical for mounting in restricted ceiling areas such as mezzanines and low ceiling areas. These high velocity fans provide an even stream of air around the work area or building, effectively distributing air to 100% of the area.

STANDARD FEATURES

- Drive: Direct
- Housing: Attractive deep spun14 gauge steel housing.
- Safety Guards: 1/2" mesh galvanized steel screen for inlet and exhaust.
- Mounting: Motor mounting bracket designed to fit most standard off the shelf motors.
- Power Cord: furnished on single phase units.
- Coating: Housing coated with a thermally fused powered polyurethane black finish.



SIZE MODEL	CFM	RPM	HP	COVERAGE (SQ FT)	DISTANCE (FT)	A	B	C	D	E	F	G	SHIP WEIGHT
AF-CW-14	2690	1725	¼	1800	60	14 ½	20	16	4	12 ¾	27	27 ¼	61
AF-CW-18	3950	1725	½	2400	80	19	24	16	4	15	27	27 ¼	86
AF-CW-22	5630	1725	½	3600	120	22 ¼	29	16	4	16 ⅝	27	27 ¼	92
AF-CW-30	12050	1725	1	12000	200	30 ½	37	22	4	20 ¾	27	27 ¼	149

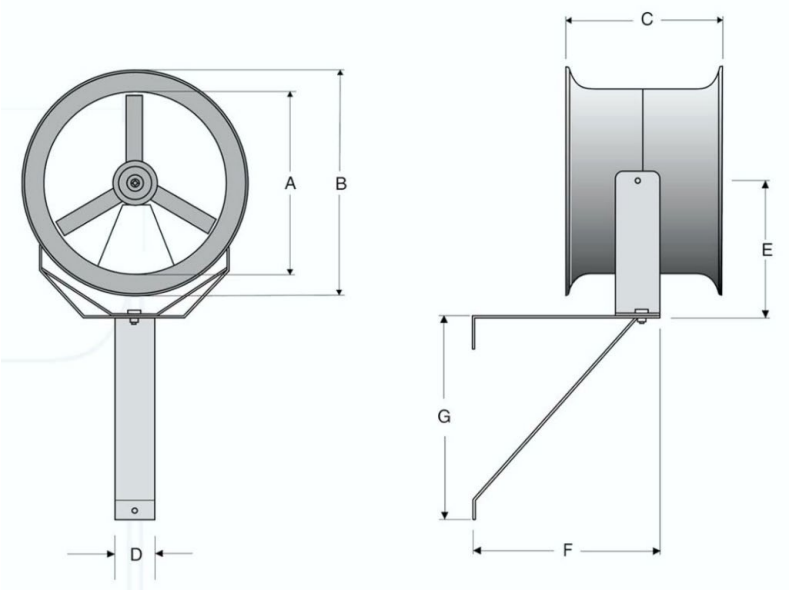
Model AF-CW Submittal Data

PRODUCT DESCRIPTION

Model AF-CW is mounted on a column or wall. This type of mounting allows the fan to be mounted to a wall or column, featuring easy adjustment up and down and side to side like the yoke mounting. Oscillators can be supplied on request. These high velocity fans provide an even stream of air around the work area or building, effectively distributing air to 100% of the area.

STANDARD FEATURES

- Drive: Direct
- Housing: Attractive deep spun14 gauge steel housing.
- Safety Guards: 1/2" mesh galvanized steel screen for inlet and exhaust.
- Mounting: Motor mounting bracket designed to fit most standard off the shelf motors.
- Power Cord: furnished on single phase units.
- Coating: Housing coated with a thermally fused powered polyurethane black finish.



SIZE MODEL	CFM	RPM	HP	COVERAGE (SQ FT)	DISTANCE (FT)	A	B	C	D	E	F	G	SHIP WEIGHT
AF-CW-14	2690	1725	¼	1800	60	14 ½	20	16	4	12 ¾	27	27 ¼	61
AF-CW-18	3950	1725	½	2400	80	19	24	16	4	15	27	27 ¼	86
AF-CW-22	5630	1725	½	3600	120	22 ¼	29	16	4	16 ⅝	27	27 ¼	92
AF-CW-30	12050	1725	1	12000	200	30 ½	37	22	4	20 ¾	27	27 ¼	149

Model AF-DF Submittal Data

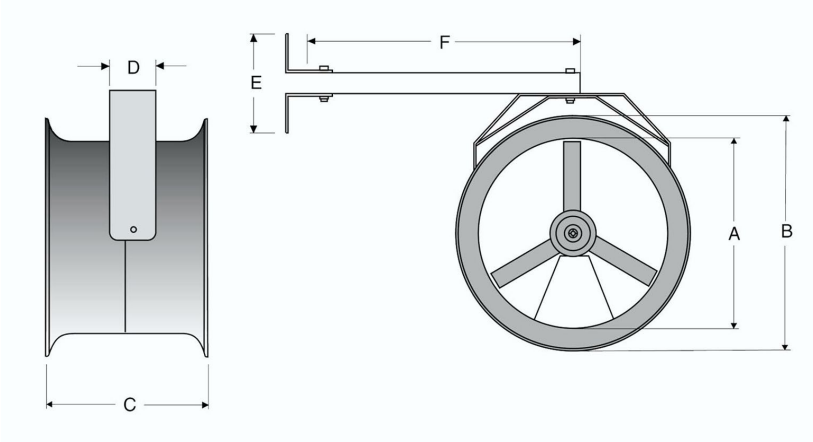
PRODUCT DESCRIPTION

Model AF-DF high velocity dock fans are designed for recirculating the air in semi-truck trailers, and around loading docks. With a special wall mounting, the fan delivers a wave of cooler air to the front of the trailer, forcing the warmer air out to the rear of the trailer. This provides more comfort and higher productivity for workers loading and unloading inside the trailer.

The wall mounted units are designed to stay out of the way of personnel and material handling. This model AF-DF is also available with an optional dock light to provide additional visibility in dark trailers.

STANDARD FEATURES

- Drive: Direct
- Housing: Attractive deep spun14 gauge steel housing.
- Safety Guards: 1/2” mesh galvanized steel screen for inlet and exhaust.
- Mounting: Motor mounting bracket designed to fit most standard off the shelf motors.
- Power Cord: furnished on single phase units.
- Coating: Housing coated with a thermally fused powered polyurethane black finish.



MODEL	CFM	RPM	HP	COVERAGE (SQ FT)	DISTANCE (FT)	A	B	C	D	E	F	WEIGHT (lbs.)
AF-DF-18	3950	1725	1/2	2400	80	19	24	16	4	10	26	82

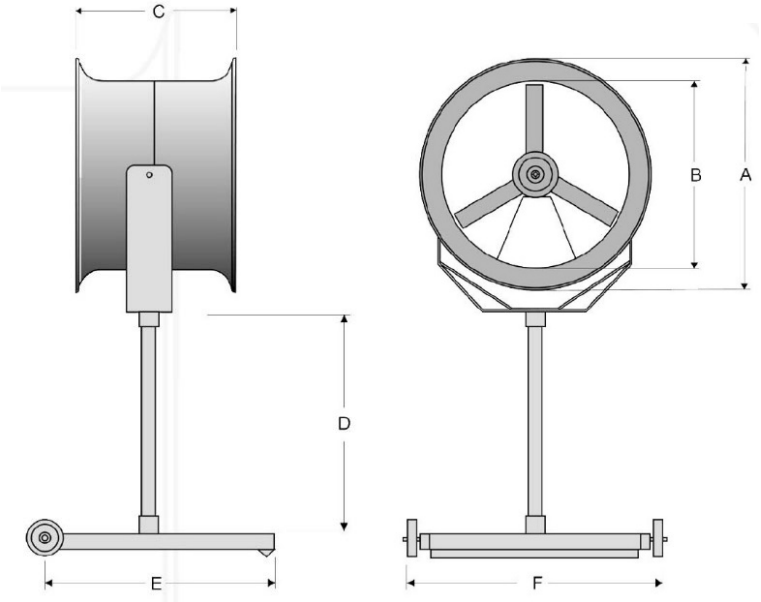
Model AF-PM Submittal Data

PRODUCT DESCRIPTION

The Model AF-PM Pedestal Fan is ideal for applications where a portable fan is required. It offers a superior design featuring a special inlet/outlet cone design that delivers substantially more air than other types of pedestal or box fans. The heavy-duty construction will give a lifetime of reliable service.

STANDARD FEATURES

- Base: Heavy-duty wheeled base for easy maneuverability.
- Drive: Direct
- Housing: Attractive deep spun14 gauge steel housing.
- Safety Guards: 1/2” mesh galvanized steel screen for inlet and exhaust.
- Mounting: Motor mounting bracket designed to fit most standard off the shelf motors.
- Power Cord: furnished on single phase units.
- Coating: Housing coated with a thermally fused powered polyurethane black finish.



MODEL	CFM	RPM	HP	COVERAGE (SQ FT)	DISTANCE (FT)	A	B	C	D	E	F	WEIGHT (lbs.)
AF-PM-14	2690	1725	1/4	1800	60	14-1/2	20	16	28-1/2	30	29	76
AF-PM-18	3950	1725	1/2	2400	80	19	24	16	28-1/2	30	29	98
AF-PM-22	5630	1725	1/2	3600	120	22-1/4	29	16	28-1/2	30	29	85
AF-PM-30	12050	1725	1	12000	200	30-1/2	37	22	28-1/2	30	29	155

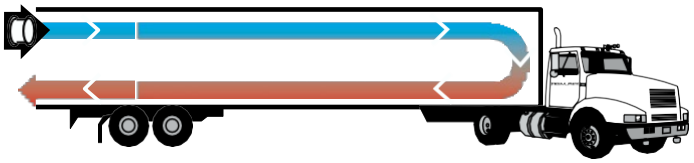
Model AF Applications

Good air distribution inside the building amounts to substantial savings through greater productivity and lower utility bills. There are many applications for these versatile high velocity fans such as product cooling, drying, building ventilation, dock cooling, assembly line cooling, condensation, and mezzanine ventilation. Pedestal fans and other types of worker coolers were primarily designed to cool individuals working in high temperatures. Alternatively, placing the fan above the work areas, you can cool a much larger space and avoid interference caused from pedestal or box fans getting in the way of material handling equipment and personnel.

WHOLE BUILDING VENTILATION

A smart approach in ventilation design of whole buildings is to use multiple high velocity fans as part of a general plant ventilation system to evenly distribute conditioned or heated air throughout the building, improving the air quality and individual comfort. In the winter these fans can help move the hot air that rises to the ceiling and direct it back down to the floor level where it is more beneficial to working personnel. In addition, these fans can help spread and break up the hot spots generated by

unit heaters. In the summer, these high velocity fans can help evenly distribute or direct conditioned air to personnel that may be obstructed by racking or other partitions. Good air distribution inside the building amounts to substantial savings through greater productivity and lower utility bills. Refer to the above illustration.



Much improved conditions for personnel loading and unloading trailers.

DOCK COOLERS

Romlair Airwave dock fans are designed to recirculate air in and around loading docks, and trailers. Semi-truck trailers often get extremely hot inside while sitting on the loading dock. Loading and unloading them at these elevated heat levels can seriously affect the health and performance of the personnel working in these areas. These high velocity fans can be installed to blow air along the top of the trailer, forcing the hot air out the bottom part of the trailer, resulting in much improved working conditions for the employees.

ASSEMBLY LINES

Romlair Airwave fans are designed to project airstreams up to 200 feet providing better air distribution over assembly lines than using standard type pedestal or box fans. This keeps the work area free of multiple fans placed all along the line which can interfere with production.

PRODUCT COOLING, DRYING, AND FREEZING

The process time of drying painted parts can be substantially reduced by installing Airwave fans in the drying area and directing the air flow towards the painted parts. In addition, this same procedure will significantly reduce the required process time for cooling and freezing products.