

COMFORT MAX HVLS FANS



Continental Fan's New Comfort Max Fans are designed to redistribute heated or cooled air to floor level. These high volume, low speed fans eliminate temperature layers in the ceiling space and create a more comfortable environment inside a building. When a Comfort Max Fan is integrated with an HVAC system, the net result is energy savings and CO₂ emission reduction.

FEATURES & BENEFITS

- High efficiency EC brushless motor, continuous duty operation
- Robust steel structure for long life
- Virtually silent, 5-blade aluminum airfoils
- Corrosion resistant, anodized aluminum airfoil design
- Plastic, aerodynamically-shaped blade terminals
- Standard 32-inch downrod, other sizes available
- Optimized performance and acoustic comfort
- Security wire, stabilizing cables and hub ring for safety
- 200-240Vac or 400-480Vac, 50/60 Hz, 3 phase operation
- Speed controllable
- Maintenance-free, gearless motor
- Maximum permissible ambient temperature: 120 F
- Integrated EMC (electromagnetic interference) filters
- IP65 motor protection
- Easily clean with low pressure water jets
- Sizes range from 10' to 24'

ACCESSORIES

- Different length downrod
- Potentiometer speed control
- Smart touch controller
- I-beam mounting kit
- Glulam mounting kit
- Z purlin brackets



APPLICATIONS

Commercial



- Shopping malls
- Gymnasiums
- Big box stores
- Schools
- Places of worship

Industrial

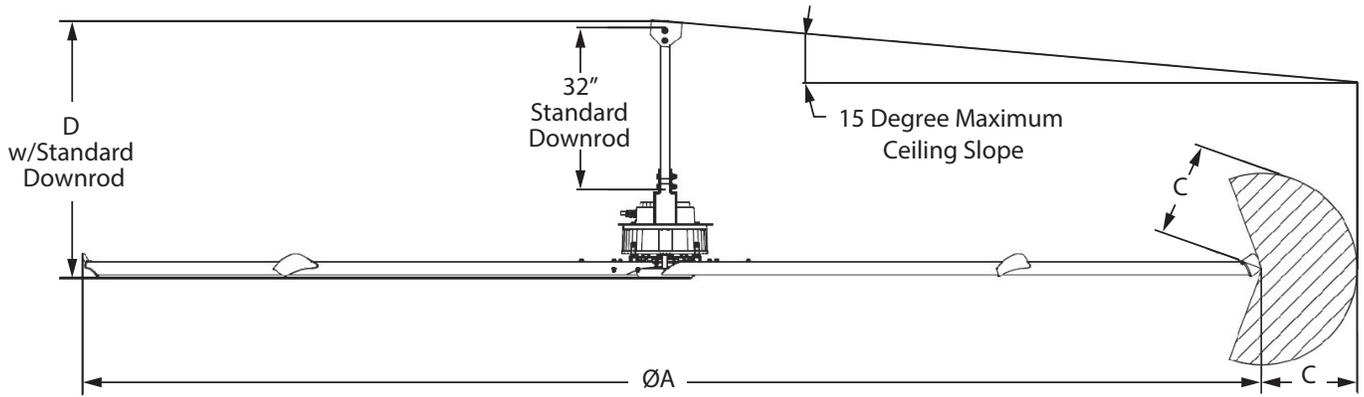


- Warehouses
- Distribution centers
- Airport hangars
- Automotive showrooms
- Refrigeration / cold storage

Agriculture



- Dairy barns
- Greenhouses
- Horse stables
- Produce farms



120 Inches Minimum Fan Installation Height

Dimension C: Minimum Safety Distance From Side Obstructions

MODEL	PERFORMANCE					
	MAX RPM	MAX SERVICED DIA.	SOUND ⁽¹⁾ Lp dBA	HP	MAX CURRENT (Amp.)	MINIMUM CIRCUIT SIZE
CMX-10	130	98 ft.	55	1.1	3.8	10A@200-240V, 3Ø 10A@400-480V, 3Ø
CMX-12	85	117 ft.	52	0.8	2.6	
CMX-14	80	136 ft.	55	0.9	2.7	
CMX-16	70	156 ft.	56	1.1	3.5	
CMX-18	63	176 ft.	49	1.2	3.6	
CMX-20	55	195 ft.	50	1.2	3.7	
CMX-24	51	234 ft.	55	1.6	4.8	

MODEL	DIMENSIONS			
	ØA (ft.)	C (ft.)	D (in.)	WEIGHT (lbs)
CMX-10	10	1.2	49	176
CMX-12	12	1.5	49	194
CMX-14	14	1.5	50	220
CMX-16	16	1.8	50	234
CMX-18	18	1.8	51	249
CMX-20	20	1.8	51	260
CMX-24	24	1.8	51	282

@240V/60Hz supply, max speed

(1) Sound testing taken with the sensor 1.5m above the floor and 6m from the center of the fan at 5m high, measured in a laboratory environment. Actual results in field conditions may vary due to sound reflecting surfaces and environmental conditions.

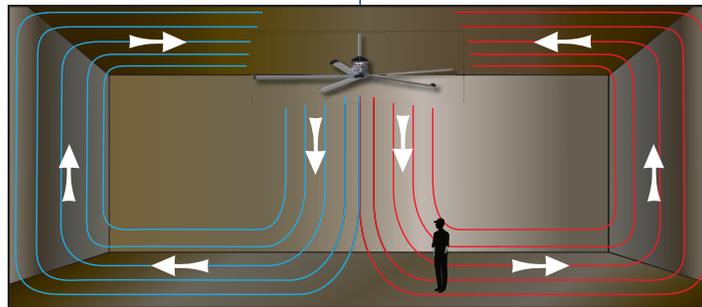
*DO NOT USE FOR CONSTRUCTION CONSULT FACTORY FOR CERTIFIED PRINTS

NFPA 13 STANDARDS FOR HVLS FANS

- Maximum allowable fan diameter of 24 feet.
- Fans must be approximately centered between four adjacent sprinklers.
- There must be a 3 foot minimum clearance from the sprinkler deflector to the fan.
- Fans must be interlocked to shut down immediately upon receiving a water flow signal from the fire alarm system.

CHALLENGES OF COOLING AND HEATING INDUSTRIAL AND COMMERCIAL SPACES

In summertime, the impact of stratification may be evident on the floor of industrial spaces, such as machine shops. The heat generated from machines can be unbearable. Since the higher strata layers resist a change in temperature, much of the heat on the shop floor is retained, providing little relief to the occupants.



In the winter, the greater the difference between the outdoor air and indoor air near the ceiling, the greater the heat loss through the roof. Often times the heat required for occupant comfort will rise toward the ceiling and the space will continue to call for heat. Occupants are not comfortable and energy is wasted.

The HVLS (High Volume, Low Speed) Fan Solution

For occupant comfort, the temperature needs to be controlled for the first 6 feet from the floor. Installing Comfort Max Fans will optimize occupant comfort during the heating and cooling seasons as well as reducing energy costs in an environmentally friendly way.

