



**CARYAIRE**<sup>TM</sup>

Leadership Through Innovation



# CARYAIRE LVLS FAN

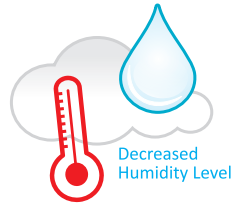
DESIGNED & MANUFACTURED IN INDIA



## ABOUT CARYAIRE

- Incorporated in 1989, the Caryaire Group has presence across the nation with sales, service & dealer networks present in all major cities of India. The Caryaire Group is 25+ year trusted, world – class business group that is ISO 9001:2008 certified for its quality management.
- The caryaire group has over 120000 sq. ft of state-of-the-art manufacturing facilities in Greater Noida(UP) & Bhiwandi (Maharashtra) as well as warehouses in Noida and Bhiwandi.

## BENEFITS OF LVLS FANS

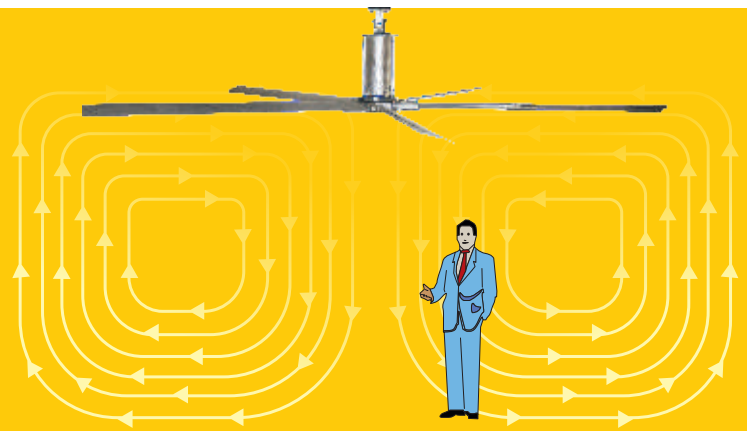


## ‘WHY LVLS FANS ?’

LVLS ( Low Speed Large Fans) creates a lot of air movement at slow RPM (6,12,000 CMH\*). It maximizes the flow of air through specially designed and engineered blades which creates effective cooling and air circulation to improve occupancy comfort. One LVLS fan can cover a large area (approx 2000 sqmtr\*\*) and is highly energy efficient while maintaining a quiet operation.

\*For 24ft Fan

\*\* Maximum effective coverage dia. is based upon assuming fan is hanged at 18ft from the floor, with no obstructions on the floor for air movement.)



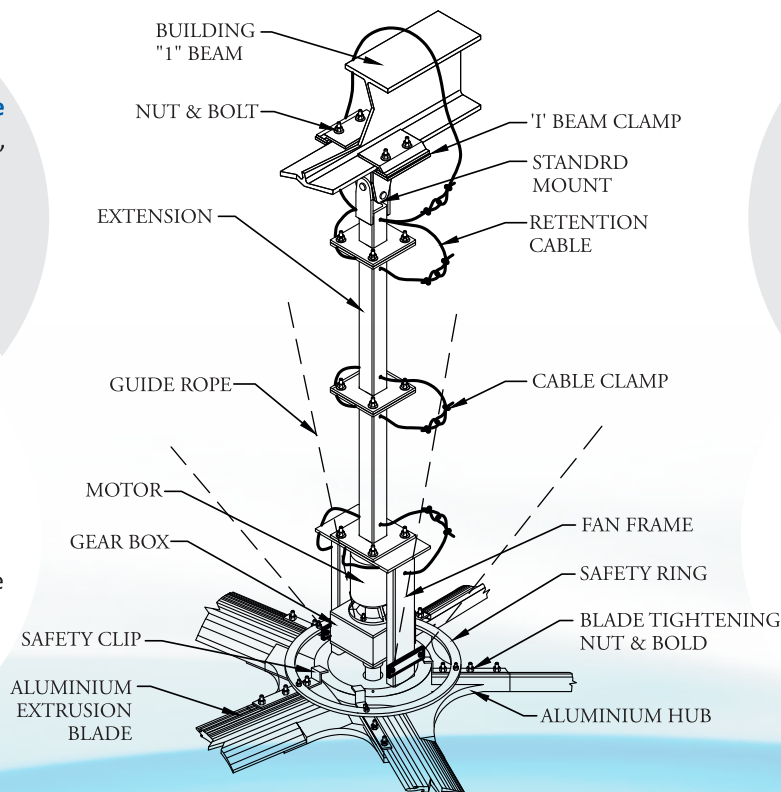
## SAFETY FEATURES

### Retention Cable/Safety Cable

These tie together the mount, fan motor & gear box to the building structure.

### Guy wire/Guide Rope

These help preventing unnecessary swaying of the fan and also the movement of the fan because of draft.



### Safety Clips

These are used to prevent the hub from falling

### Safety Rings

This holds the blade to the hub in case of any failure of hardware.

\*Various Ceiling Mountings Available

# Product Components

## FAN BLADES

- Made of T6 Temper Aluminum
  - Great surface finish
  - High corrosion resistance
- Provide a constant even temperature from floor to ceiling and wall to wall
- Lowering noise by offering our unique blade designs hyper-stability that also lowers vibrations which cause wear and tear on the blades and the hub
- 5 Blade design inspired by the odd no of blades on helicopter propellers which ensures turbulence maintenance at extreme conditions



## MOTOR

- Geared motor
- Massive 1.5Kw Motor Power
- Robust cast iron housing
- All bearings selected to provide long and trouble-free operation
- High quality sealing for enhanced leakage-protection
- Sleek design for easy cleaning
- Virtually maintenance free (inspection recommended every 20,000 hours)



## VFD

- Variable Frequency Drive (VFD) unit
- Saves energy consumption and money
- Protects from electrical faults like short circuits
- Delay start function helps reduce sudden load impact on motor

## TECHNICAL DATA

Fan Model	LVLS-8	LVLS-10	LVLS-12	LVLS-16	LVLS-20	LVLS-24
Fan Diameter (m)	2.4	3.0	3.7	4.9	6.1	7.3
Motor Power (Kw)	0.75	0.75	0.75	1.5	1.5	1.5
Actual Amps at 450 Volt/50hz	2.8 A	2.8 A	2.8 A	3.5 A	3.5 A	3.5 A
Speed	154 rpm	140 rpm	123 rpm	73 rpm	63 rpm	57 rpm
Airflow (CMH)	64,500	156,000	206,000	280,500	504,900	612,000
Maximum Coverage Diameter	9.4m(30.8ft)	15.8m(51.8ft)	21.3m(69.9ft)	36m(118ft)	42m(138ft)	50m(184ft)
Weight (kgs)	98	104	108	124	132	140

\*(Maximum effective coverage dia. is based upon assuming fan is hanged at 18ft from the floor, with no obstructions on the floor for air movement.)

## APPLICATIONS



**WAREHOUSES**



**AUTO PLANTS**



**DISTRIBUTION CENTERS**



**MANUFACTURING UNITS**



**GYMS**



**BANQUET HALLS**



**RETAIL STORES**



**WORSHIP CENTERS**

