



**GORILLA**

# HIGH VOLUME LOW SPEED FANS

**2**

YEAR WARRANTY

**The Gorilla X range of HVLS fans generate a gentle, slow moving airstream that helps create a more comfortable, more productive indoor space for building occupants.**

## Ultra energy efficient

Made and tested in our European facility, the Gorilla X HVLS Fans are powered with the latest EC brushless motor technology. This enables them to provide continuous air circulation while minimising running costs.

## Engineered tough

Industrial grade components of the highest quality. Anodised extruded blades provide strength while keeping the unit lightweight for increased efficiency.

## Silent operation

Gearless drive system makes for incredibly quiet running.

## Two tip colours

Coordinate your HVLS fan to suit your work space. The hub cover and impeller winglets are supplied in both green and black.

## Easy to control

They can be controlled with the easy to use Aviator controller or a Building Management System.

## Seven models available

With models available in 3, 4, 5, 6 and 7m diameters, the Gorilla X HVLS is suitable for most applications from sports centres to manufacturing facilities.

## Benefits

- Improves thermal comfort
- Low noise operation
- Provides constant fresh air
- Creates a healthier internal condition
- Increases occupant productivity
- Lowers Ammonia level in animal enclosures
- Stops animals crowding closely together

## Applications

- Warehouses
- Manufacturing facilities
- Greenhouses
- Showrooms
- Shopping malls
- Sports centres
- Swimming pools
- Agricultural

## Savings

- Lowers energy consumption
- Reduces a facility's Carbon Footprint
- Maximises the efficiency of the HVAC systems

# DESTRATIFICATION & COMFORT

## Summer comfort

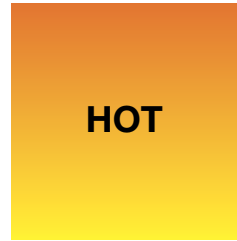
In summer, the efficient and continuous air circulation provided by a Gorilla X fan, creates a natural evaporative cooling effect for occupants.

It is also designed to eliminate the build up of hot stagnant air in the building by maintaining constant air movement and improving the internal environment.

## Winter destratification

In winter, warm heated air rises to the highest point of an enclosed area, thereby causing cooler air to reside at floor level. Traditionally temperatures have been maintained at floor level by continued and prolonged use of heaters, resulting in high energy consumption.

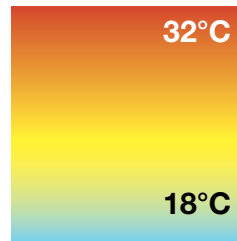
A Gorilla X fan increases comfort for occupants and reduces a building's energy costs by distributing warm air down from the ceiling towards floor level and therefore maintaining an even temperature throughout.



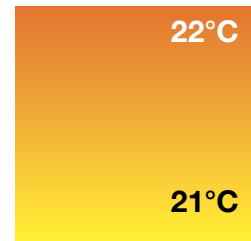
Without HVLS



With HVLS



Without HVLS



With HVLS

## Features



- High efficiency EC brushless motor
- 200-480V 50/60Hz, IP65
- Suitable for S1 continuous service
- Fully integrated electronic system
- Gearless design for silent operation



- Durable and long lasting anodised extruded blades
- High performance and efficient airfoil design



- 800mm extension tube
- Optional 400mm, 1500mm and 3000mm extension tubes also available
- Secured with robust ceiling brackets and high strength security cable



- Hub cover provides dust protection and improves overall fan aesthetics



- Aerodynamically shaped winglets for improved performance and noise reduction



- Hub ring and stabilizing wires for added safety
- Heavy duty construction

# TOUCH SCREEN MULTI-FUNCTION CONTROLLER

**The Aviator touchscreen controller is designed to manage a mini-network of Gorilla X high volume, low speed EC fans.**

This multi-fan control system features a wall mounted 9cm LCD touchscreen display that communicates to each fan individually from a central location.

The Aviator can alter the fan speed in real time by simply increasing or decreasing the percentage value on the display. It can also change the rotation of the fan to clockwise or anti-clockwise. Each fan can be individually turned on or off by touching the relevant power button icon.



## Individual fan control

Aviator is incredibly user friendly and can control up to 4 Gorilla X HVLS fans. The easy to read, touchscreen display allows you to operate individual fans with just a tap of your finger.



Fan Selection



Fan Speed Adjustment



User Settings

## HVLS communication

The communication between the Gorilla X HVLS fans is established by 'daisy chaining' the fans together via a RS485 cable.

## Run-on timer

The Aviator digital controller also features an adjustable run-on timer for applications that require the fans to continue running for a pre-set period. Particularly suitable for sports centres and working environments where the Gorilla HVLS fans are required to operate to a set time.



## Area of impact

Select the right fan for the application. The larger the fan, the larger the area of impact.

HVLS30 = 15M Ø

HVLS40 = 18M Ø

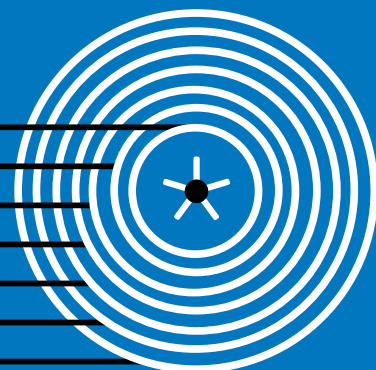
HVLS40S = 20M Ø

HVLS50 = 24M Ø

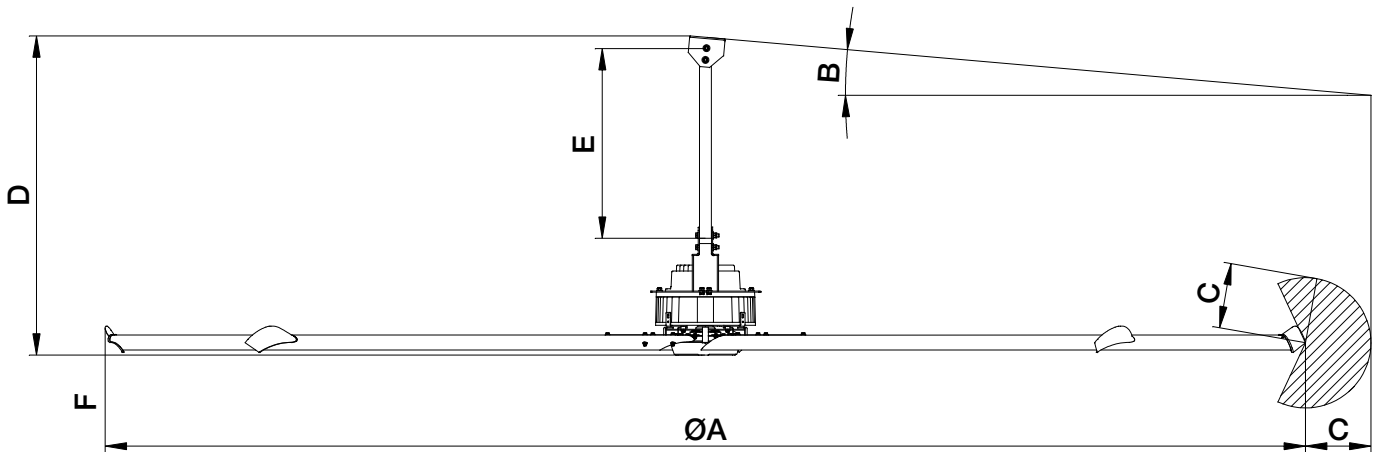
HVLS60 = 30M Ø

HVLS60S = 32M Ø

HVLS70 = 35M Ø



# DIMENSIONS



Model	UM	HVLS30	HVLS40	HVLS40S	HVLS50	HVLS60	HVLS60S	HVLS70
ØA (fan diameter)	m	3.05	4.05	4.05	5.05	6.05	6.05	7.05
B (max ceiling slope)	°	5	5	5	5	5	5	5
C (min safety distance from side obstruction)	mm	350	450	450	550	550	550	650
D (fan height with standard downrod)	mm	1250	1250	1270	1270	1284	1304	1304
E (standard downrod length)	mm	800	800	800	800	800	800	800
F (min fan installation height)	mm	2700	2700	2700	2700	2700	2700	2700

# PERFORMANCE DATA

Model	UM	HVLS30	HVLS40	HVLS40S	HVLS50	HVLS60	HVLS60S	HVLS70
Number of blades	-	5	5	5	5	5	5	5
Diameter	m	3.05	4.05	4.05	5.05	6.05	6.05	7.05
Max rotation speed	rpm	140	80	95	70	50	58	40
Max absorbed power	kW	0.82	0.58	0.77	0.90	0.77	0.96	0.63
Max current	A	2.0	1.5	1.85	2.2	1.9	2.18	1.53
Weight	kg	88	95	102	108	115	128	135
Max thrust (1)	N	68	62	79	100	146	175	133
Max airflow (1) AMCA 230-99	cfm	60980	77311	87267	122439	177216	193733	197103
	m³/h	103605	131352	148266	208025	301092	329152	334878
	SPI(1)	28.5	15.9	18.7	15.6	9.2	10.5	6.8
Max airflow (1) AMCA 230-15	cfm	43119	54667	61707	86577	125311	137195	139373
	m³/h	73260	92880	104840	147096	212904	233094	236795
	SPI(1)	40.3	22.5	26.4	22.0	13.0	14.8	9.6
Affected diameter (2)	m	15	18	20	24	30	32	35
Operating temp	°C	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50

(1) Max. absorbed power/max. airflow

(2) Min. average air speed 0.8 m/s with testing layout in conformity with AMCA 230

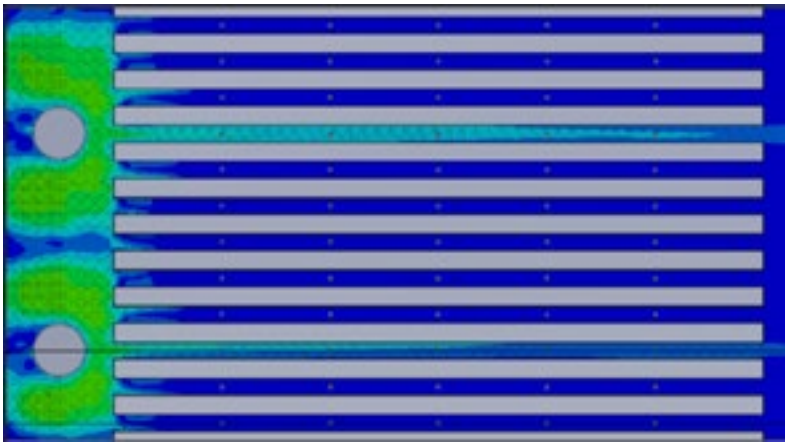
# HVLS AND ZOO FANS GO HAND IN HAND

**HVLS fans on their own are extremely effective at improving air circulation in open areas. However, in areas where obstructions affect the placement of a HVLS fan, adding ZOO Fans can optimise airflow.**

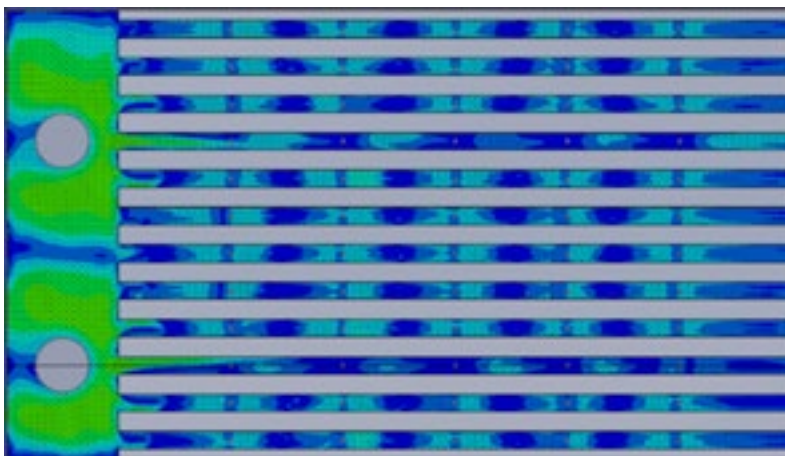
For example, in warehouses, HVLS fans on their own will not be able to reach down long aisles of racking.

Adding ZOO Fans will create much needed circulation throughout the aisles. This leads to a more comfortable indoor working environment for occupants.

Working together, the HVLS and ZOO Fans create a highly efficient air circulation and destratification system in any space, despite any obstacles the space presents.



Air velocities 1.83m above the ground  
2 HVLS fans, no ZOO Fans



Air velocities 1.83m above the ground  
2 HVLS fans, 60 ZOO Fans

