



GORILLA



X RANGE

HIGH VOLUME LOW SPEED **HVLS** FANS

THE GENTLE GIANT OF AIR MOVEMENT



FANTECH
Intelligent Ventilation

DESTRATIFICATION & COMFORT



The Gorilla X range can save energy costs, improve comfort and increase productivity while respecting the environment!

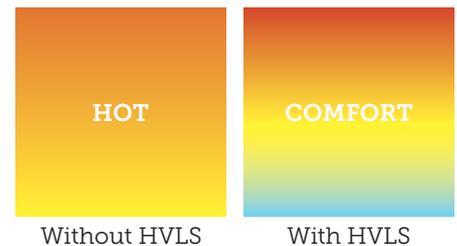
The X range of high volume, low speed (HVLS) fans generate a gentle, slow moving airstream that covers a large area even when they are installed in a very high ceiling. They help create a more comfortable indoor space for building occupants while lowering a building's running costs and reducing its carbon footprint.

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 operate efficiently while providing effective air movement.

The range is available in 3, 4, 5, 6 and 7 metre diameters, making them suitable for most applications from sports centres to manufacturing facilities. They can be controlled with one of the easy to use Aviator controllers or a Building Management System (BMS).

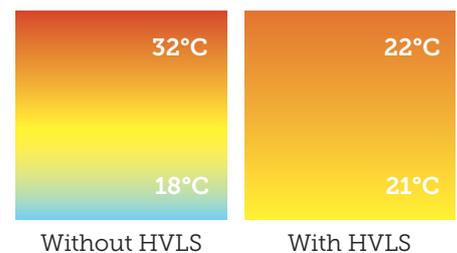
SUMMER COMFORT

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. It does this by distributing warm air down from the ceiling towards floor level and therefore maintaining an even temperature throughout.



FAN SELECTION

To assist with selecting the most effective Gorilla X HVLS fan for your specific application, Fantech have developed an easy to use web based selection tool. Once logged in, simply enter the width, length and height of the area, together with the ambient temperature and desired cooling effect from the fans. The selection tool will provide a number of possible options that list the quantity of fans, fan sizes and suggested spacing.

To access Fantech's HVLS Product Selection Tool visit www.fantech.com.au/hvls



GORILLA AVIATOR CONTROLLERS

The innovative range of Aviator controllers are designed to manage from one Gorilla X HVLS fan to a large system with multiple fans and sensors. The control system takes advantage of the latest digital technology to ensure it can be tailored to suit the requirements of almost any high ceiling application.

Aviator controllers utilise the Fantech ComLink system (RS485) to connect the controller, Gorilla X HVLS fans and sensors together. This intelligent system provides reliable two-wire communication between devices, significant installation cost savings and a higher level of system monitoring and adjustment. The Fantech ComLink system also provides:

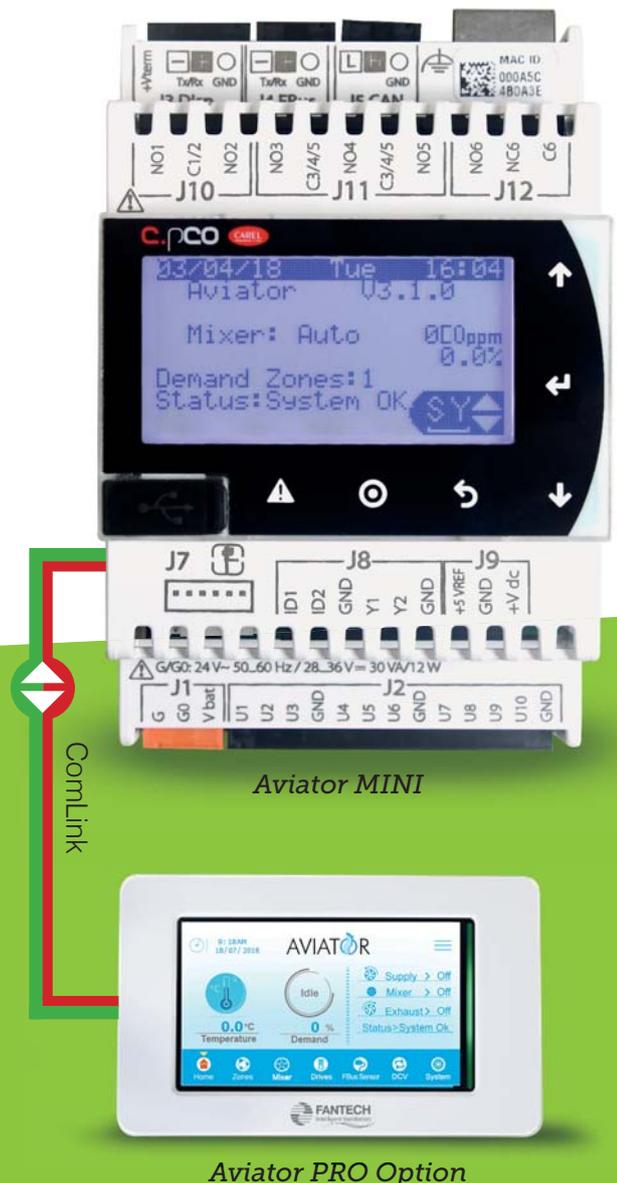
- Reduced and simplified cabling
- Faster commissioning
- Simple daisy chain connection

A CONTROLLER TO SUIT ANY SIZE APPLICATION

AVIATOR MINI

The Aviator MINI is the ultimate controller for high ceiling applications because of its ability to manage up to 50 Gorilla X HVLS fans. The MINI can controls these fans individually or within a maximum of 6 demand control zones. It comes factory pre-configured to suit the requirements of each application and can be connected to a Building Management System.

- Connects up to 20 sensors; temperature, humidity and CO₂
- Connects to BMS - BACnet or Modbus for easy system monitoring
- Advanced 7 day program scheduler that enables set up of operational periods
- Can be connected to an Aviator PRO for its intuitive graphic interface
- Digital communication minimises cabling and makes commissioning easier





AVIATOR TOUCH PRO

The simple to use Aviator Touch PRO features an intuitive graphic interface which makes managing a network of Gorilla X HVLS fans easy. It simplifies installation, and can control up to 10 HVLS fans and be connected to 2 sensors. This flexible controller can be factory pre-configured to operate each fan individually or help drive an energy saving Demand Control Ventilation system.

- Compatible with remote Temperature, Humidity or CO₂ sensors
- Can manage one demand control zone
- 7 day program scheduler that enables set up of operational periods
- High definition 4.3" LCD touch screen
- Simplifies on-site commissioning
- Integrated Temperature and Humidity sensors



AVIATOR TOUCH

The multi-function Aviator Touch is designed to control up to 4 Gorilla X fans individually or in a single group. It can turn each fan on and off, and alter fan speed, rotation direction and includes a run to end timer.

- Features an LCD touch screen display
- Controls up to 4 Gorilla X HVLS fans
- Fan connection via reliable RS485 cable
- Run to end timer



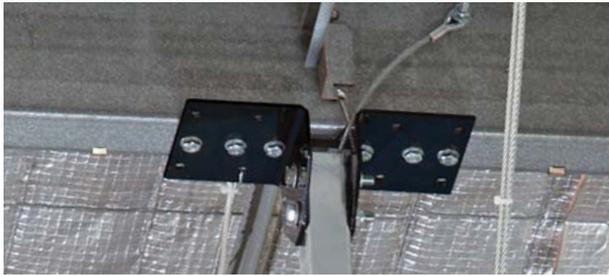
FEATURES



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



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



- 800mm drop tube is standard
- Optional 400mm, 1500mm and 3000mm drop 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
- Winglets and hub cover are supplied in both black and green colour



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

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 HVAC systems
- Lowers installation costs
- Simplifies infrastructure equipment (fewer ducts and diffusers)
- Fast return on investment

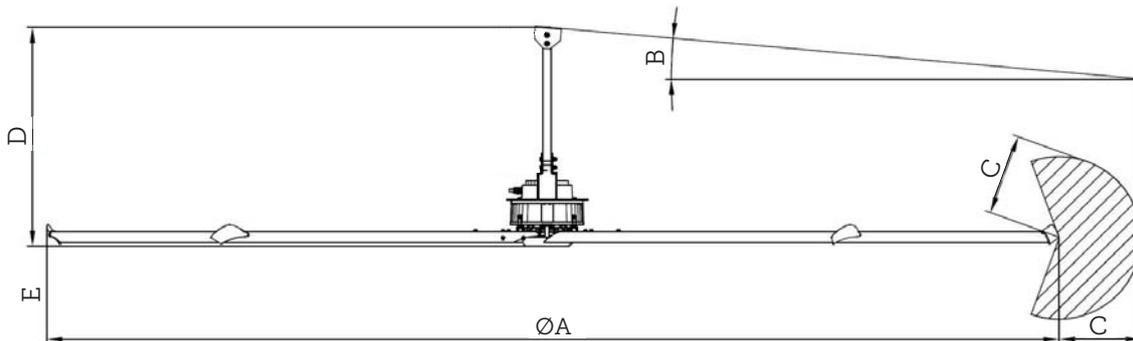
PERFORMANCE DATA

MODEL	UM	HVLS30	HVLS40	HVLS40S	HVLS50	HVLS60	HVLS60S	HVLS70	
Diameter	mm	3050	4050	4050	5050	6050	6050	7050	
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 AMCA 230-99 ⁽¹⁾	cfm	60980	77311	87267	122439	177216	193733	197103	
	m ³ /h	103605	131352	148266	208025	301092	329152	334878	
Max Airflow AMCA 230-15 ⁽¹⁾	cfm	43119	54667	61707	86577	125311	137195	139373	
	m ³ /h	73260	92880	104840	147096	212904	233094	236795	
Sound Pressure Level*	@100% speed	dBA	57	49	53	50	47	51	45
	@50% speed		41	38	40	38	38	39	38
Operating Temperature	°C	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	

(1) max. airflow/max. absorbed power

*Noise levels are measured 1.5m above ground level and 6m horizontally from the fan axis of rotation.
Note: HVLS fans were mounted at a height of 5m above ground level for the purpose of these noise tests.

DIMENSIONS



MODEL	UM	HVLS30	HVLS40	HVLS40S	HVLS50	HVLS60	HVLS60S	HVLS70
ØA (fan diameter)	mm	3050	4050	4050	5050	6050	6050	7050
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 800mm extension tube)	mm	1250	1250	1270	1270	1284	1304	1304
E (min fan installation height)	mm	2700	2700	2700	2700	2700	2700	2700



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Specifications and design subject to change without notice.

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