



GORILLA



X RANGE

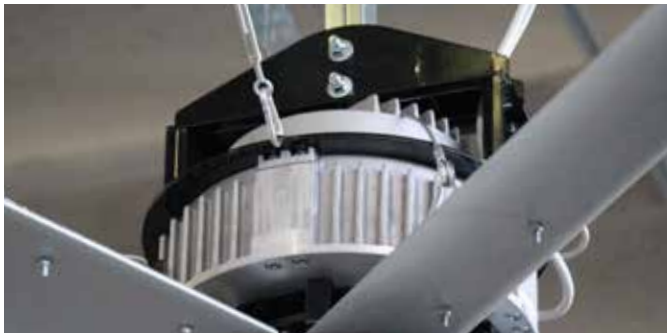
HIGH VOLUME LOW SPEED **HVLS** FANS

THE GENTLE GIANT OF AIR MOVEMENT



FANTECH
Intelligent Ventilation

FEATURES



- High efficiency EC brushless motor
- 400Vac/3ph/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 and 1500mm extension tube 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

DESTRATIFICATION & COMFORT



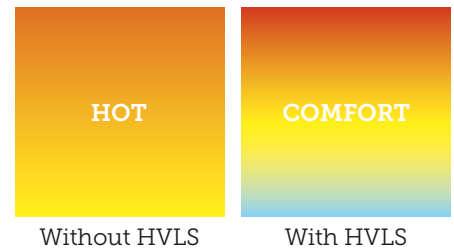
The Gorilla X range can save energy costs, improve comfort and increase productivity while respecting the environment!

The X range of high velocity, 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.

The Gorilla X range can be controlled with the easy to use Aviator controller or a Building Management System.

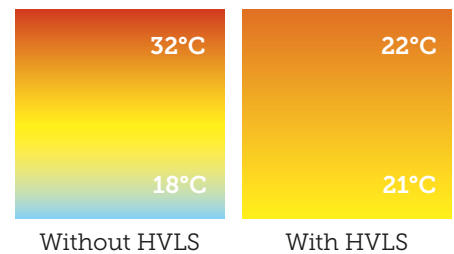
SUMMER COMFORT

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 energy costs by distributing warm air down from the ceiling towards floor level and therefore maintaining an even temperature throughout.



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

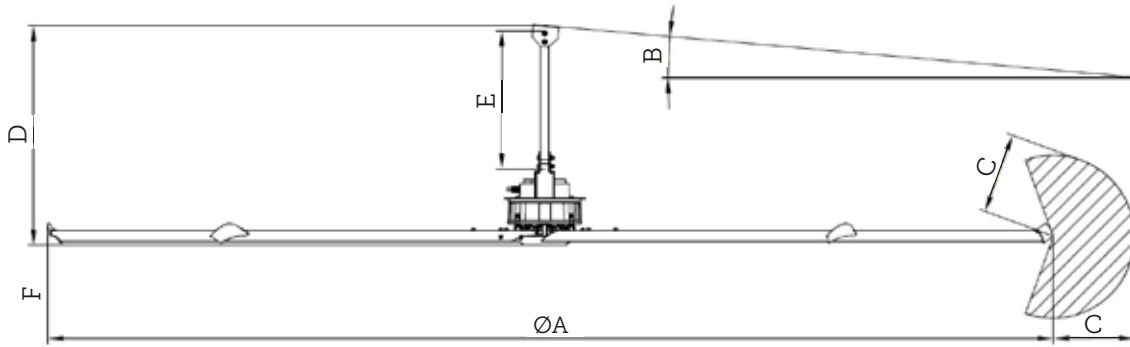
APPLICATIONS

- 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

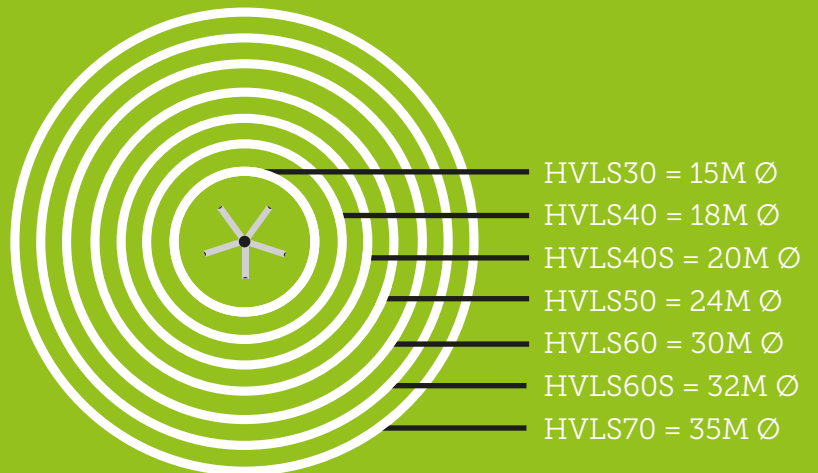
DIMENSIONS



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 extension tube)	mm	1270	1270	1270	1270	1270	1270	1270
E (standard extension tube length)	mm	800	800	800	800	800	800	800
F (min fan installation height)	mm	2700	2700	2700	2700	2700	2700	2700

AREA OF IMPACT

Select the right fan for your application and plan designs where multiple HVLS fans are needed. The larger the fan, the larger the area of impact.



GORILLA AVIATOR 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. It can alter the fan speed in real time by simply changing up or down the percentage value on the display. Each fan can be individually turned on or off by touching the relevant power button icon.

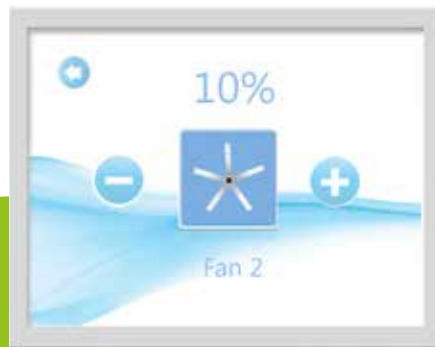


- Controls up to 4 Gorilla X HVLS fans
- Easy to read, touchscreen display
- Run-on timer enables the fans to operate for a pre-set time
- Communication is established by "daisy chaining" the fans together via RS485 cable

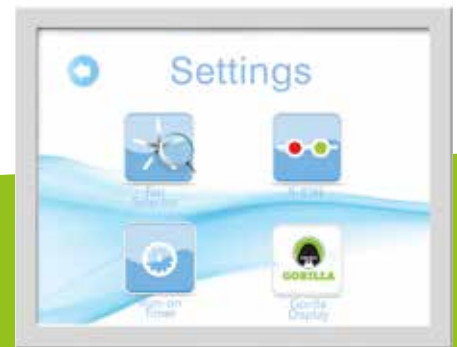
FAN SELECTION



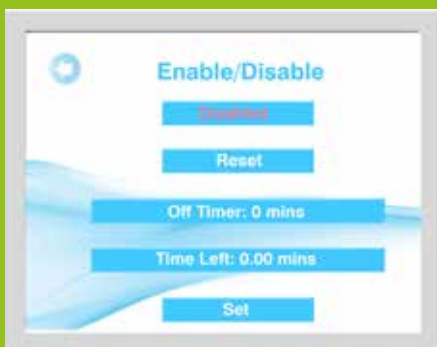
FAN SPEED ADJUSTMENT



USER SETTINGS



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.

PERFORMANCE DATA

MODEL	UM	HVLS30	HVLS40	HVLS40S	HVLS50	HVLS60	HVLS60S	HVLS70
Number of Blades	-	5	5	5	5	5	5	5
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
Affected Diameter ⁽²⁾	m	15	18	20	24	30	32	35
Operating Temperature	°C	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50
Absorbed Power								
10 rpm	W	52	52	50	55	58	58	61
20 rpm	W	55	60	56	73	97	90	120
30 rpm	W	61	80	77	114	191	170	280
40 rpm	W	73	114	107	204	410	329	628
50 rpm	W	90	172	166	348	770	595	-
60 rpm	W	113	262	243	550	-	960 ⁽⁴⁾	-
70 rpm	W	148	388	350	900	-	-	-
80 rpm	W	190	580	482	-	-	-	-
90 rpm	W	250	-	669	-	-	-	-
100 rpm	W	318	-	770 ⁽³⁾	-	-	-	-
110 rpm	W	405	-	-	-	-	-	-
120 rpm	W	520	-	-	-	-	-	-
130 rpm	W	648	-	-	-	-	-	-
140 rpm	W	820	-	-	-	-	-	-

(1) max. airflow/max. absorbed power

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

(3) Absorbed power at 95 rpm

(4) Absorbed power at 58 rpm



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Specifications and design subject to change without notice.

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