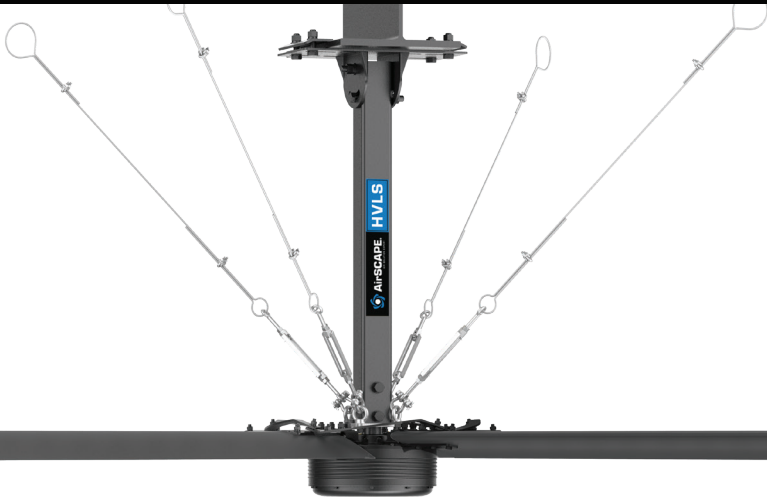




AirSCAPE®

AIR SOLUTION EXPERT.

FEATURES



QUALITY IN EVERY INCH OF **AirSCAPE HVLS FAN**

Our fans are designed for maximum coverage, energy efficiency and style, making sure your space stays cool while keeping costs low.

CHOOSE AirSCAPE HVLS FANS FOR:



SUPERIOR VENTILATION

Delivers up to more than 500,000 CFM of air.



SILENT OPERATION

Engineered to deliver silent and efficient non-disruptive operation.



IMPROVE THERMAL COMFORT

Elevated airflow reduces perceived temperature by as much as 4°C by maximizing our body's natural means of cooling.



COST SAVING

AirSCAPE HVLS uses minimal energy, which helps in lowering the cost of air-conditioning, given its lesser use of energy.



EASE OF MIND

We provide 360° services from getting the right fan with the right budget for your space to professional installation and dedicated after-sales services.



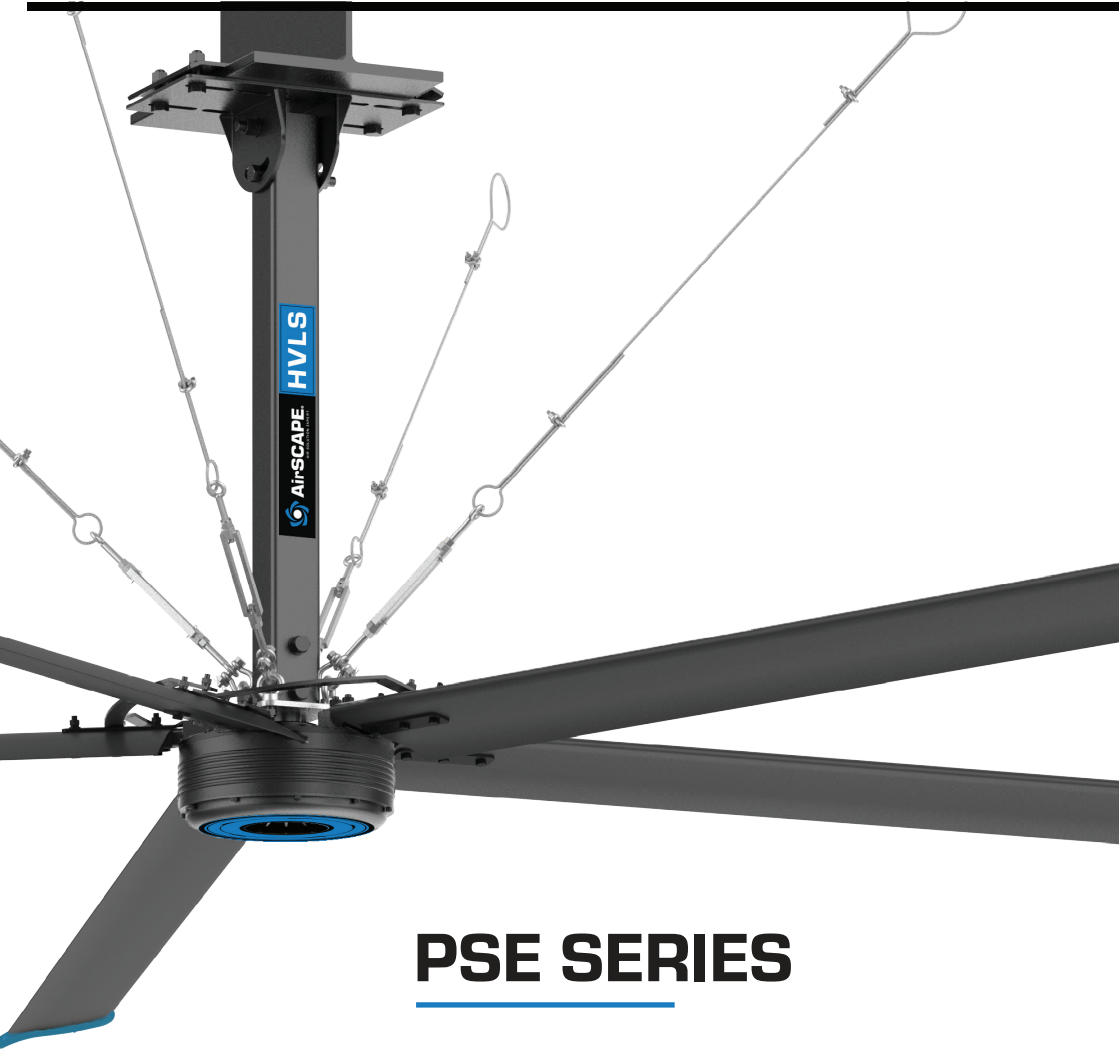
SAFETY ASSURANCE

We don't just get it installed, we get it installed safely. Our Gard Squad team is highly trained with years of experience and have installed more than a thousand fans.

APPLICATION SCENARIO



PRODUCT



PSE SERIES

Our HVLS fans are engineered to deliver the smoothest, most efficient airflow possible. With fan blades made from aviation grade magnalium, our fans are stronger and lighter than normal fans. On top of that, we offer you the best-value proposition in the market, investment-wise, considering our use of industrial grade components and only the highest quality parts to ensure efficiency and reliability.

FEATURES

FEATURE 1

POWERFUL PERFORMANCE

The PSE Series delivers extraordinary airflow and offers excellent torque, efficiency and durability, making it the best solution for your space. Powered by a NeoDrive PMSM motor with innovation in mind, this fan boasts incredible performance and wind trajectory.



FEATURE 2

LONG LASTING AND HIGH DURABILITY

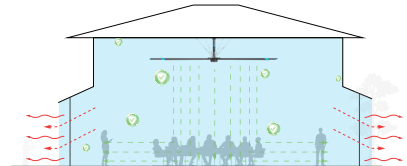
Different from gearbox driven fans, our PMSM motor requires no traditional oil changes, resulting in no more costly maintenance and messy leakages.



FEATURE 3

DEHUMIDIFICATION & MOISTURE PROOF

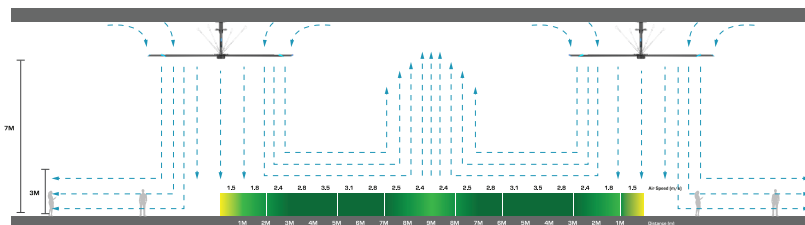
The PSE enhances air circulation throughout the space, helping to disperse gases and improve overall air quality. This creates a healthier, drier, and safer working environment.



FEATURE 4

EXCELLENT COVERAGE

The large air volume produced and ventilated by the PSE Series brings ultimate cooling performance by delivering massive airflow to cool your large spaces.



SPECIFICATIONS

MODEL	PSE-8	PSE-10	PSE-12	PSE-14	PSE-16	PSE-18	PSE-20	PSE-24
Blade size (Length x Width)	2.4m x 0.168m	3.0m x 0.168m	3.8m x 0.205m	4.2m x 0.205m	5.0m x 0.205m	5.5m x 0.205m	6.1m x 0.235m	7.3m x 0.235m
Blade style	Aerofoil with wingle							
Blade material	Aviation aluminum							
Number of blades	5							

PERFORMANCE & POWER								
Max. Displacement	141,258 CFM	169,510 CFM	282,517 CFM	300,174 CFM	346,083 CFM	370,803 CFM	423,775 CFM	527,954 CFM
Max Speed	120 RPM	100 RPM	100 RPM	90 RPM	75 RPM	72 RPM	60 RPM	55 RPM
Max. Power Usage	0.15 kW	0.2 kW	0.35 kW	0.45 kW	0.60 kW	0.7 kW	1 kW	1.2 kW
Rated Current (Max)	0.9 A	1 A	1.5 A	1.6 A	2.0 A	2.2 A	3.8 A	4.5 A
Input Voltage	220 - 240V	220 - 240V	220 - 240V	220 - 240V	220 - 240V	220 - 240V	220 - 240V	220 - 240V

WEIGHT								
Fan Weight excludes mounting bracket, drop tube and other mounting accessories	35kg	40kg	55kg	65kg	75kg	80kg	95kg	100kg

MOTOR								
Motor Type	Permanent Magnet Synchronous Motor (PMSM)							
Drive Train	Direct Drive Gearless							
Max. Torque	12.00N.m	19.10N.m	33.43N.m	47.75N.m	76.40N.m	95.50N.m	208.00N.m	208.00N.m

SPECIFICATIONS

MODEL	PSE-8	PSE-10	PSE-12	PSE-14	PSE-16	PSE-18	PSE-20	PSE-24
Mechanical Efficiency	68%		70%	75%			83%	
Max. Ambient Temperature for Operation	45 °Celcius							
Degree of Protection	IP44						IP21	
Cooling System	Air Cooling							
Sound Level	<40 dBA							

CONTROLS	
Control Type	Integrated VFD
Features	Integrated inverter control
Max. Ambient Temperature for Operation	45 °Celcius

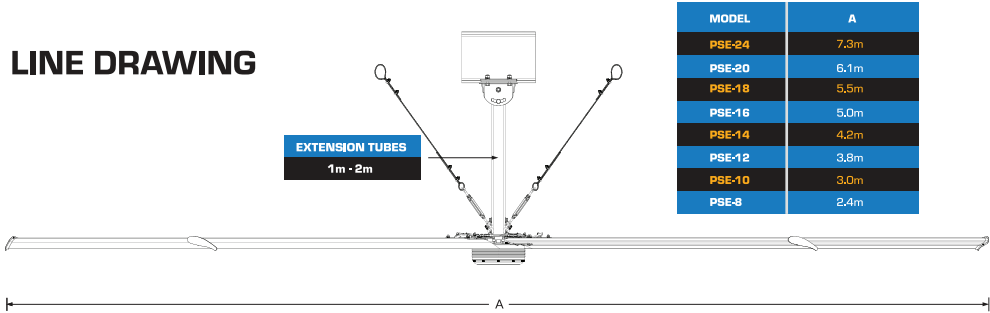
INSTALLATION	
Mounting Hardware	Standard Mounting Kit Included
Drop Extensions	Optional Extension Lengths Available

WARRANTY	
Warranty	3 Years**

**Subject to Terms & Conditions.

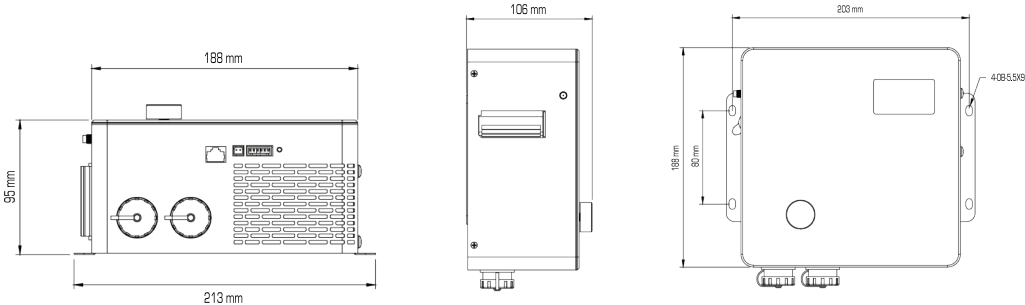
PRODUCT GUIDELINES

LINE DRAWING



MODEL	A
PSE-24	7.3m
PSE-20	6.1m
PSE-18	5.5m
PSE-16	5.0m
PSE-14	4.2m
PSE-12	3.8m
PSE-10	3.0m
PSE-8	2.4m

CONTROL PANEL SPECIFICATIONS



REQUIREMENTS:

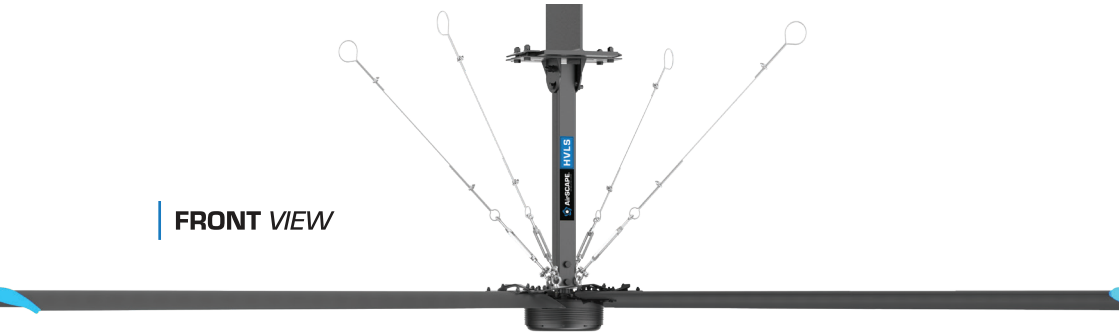
Before beginning installation, check that the building structure and fan location meet safety guidelines by confirming the below requirements.

- Fans mounted on fabricated L-beams , which are common in steel buildings, could cause the beam to flex and the fan to move during operation.
- The fan's lateral movement must be secured using guy wires if the fan's extension tube is longer than 1 ft (0.3 m) or if the mounting structure requires it. If the fan is close to any building fixtures, it is recommended to secure the fan with guy wires as a safety measure.
- The fan must be installed so that it is ≥ 18 ft (6 m) above the finished floor.
- Multiple fans must be spaced at a center-to-center distance that is no less than 2.5x the fan diameter.
- All fan parts must be ≥ 2 ft (0.6m) from all obstructions. The fan installation area must be free of obstructions such as lights, cables, sprinklers, or other building structure components.

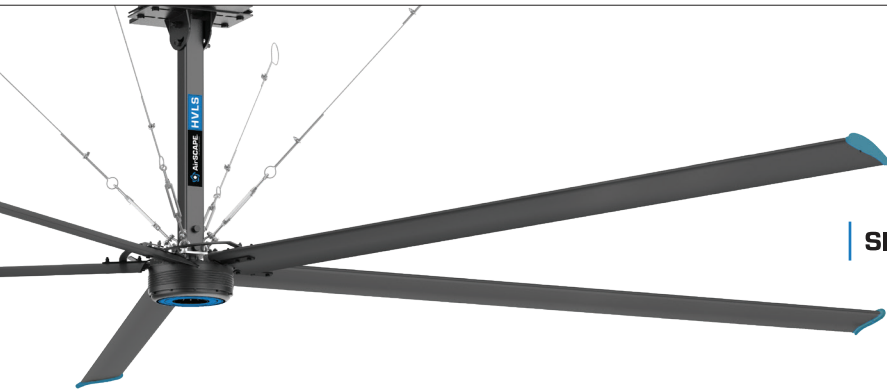
*For specific requirements, please call 1300-88-4273

GALLERY

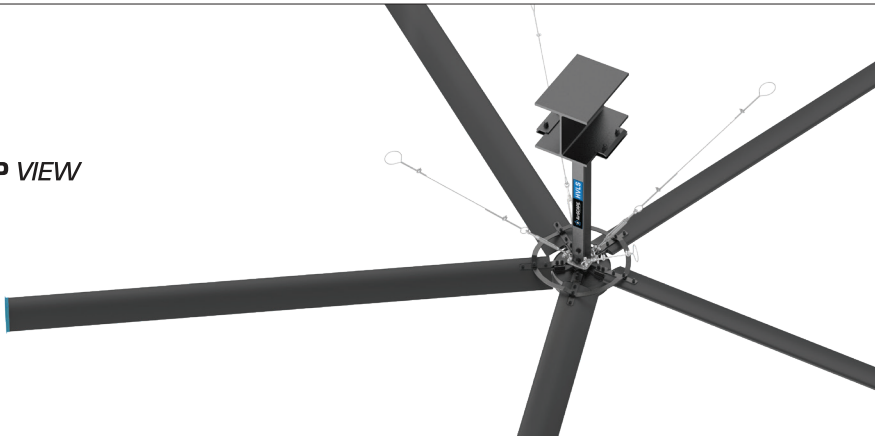
FRONT VIEW



SIDE VIEW

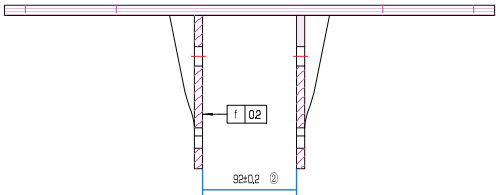


TOP VIEW

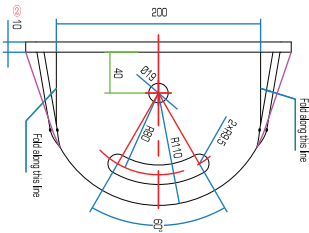


MOUNTING PLATE

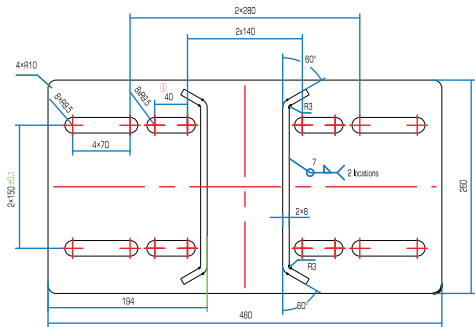
FRONT VIEW



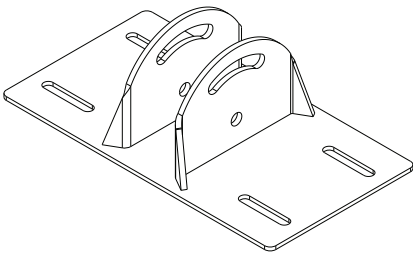
SIDE VIEW



BOTTOM VIEW

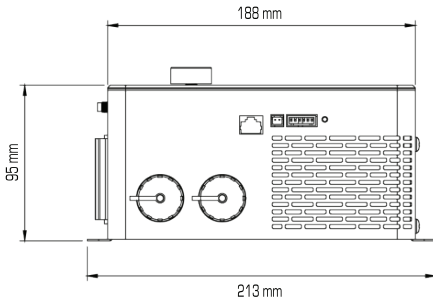


ISOMETRIC VIEW

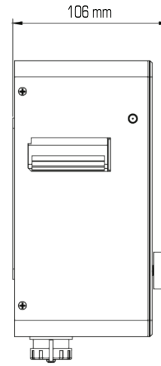


CONTROL BOX SPECIFICATIONS

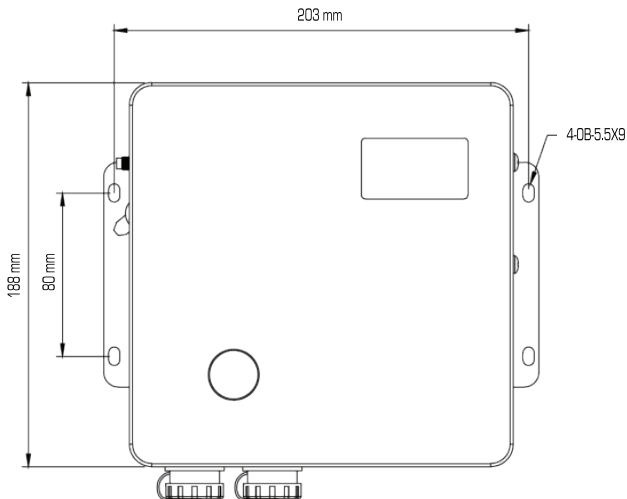
BOTTOM VIEW



SIDE VIEW

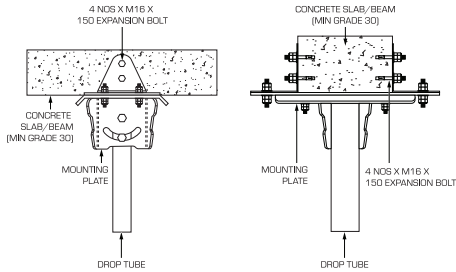


FRONT VIEW

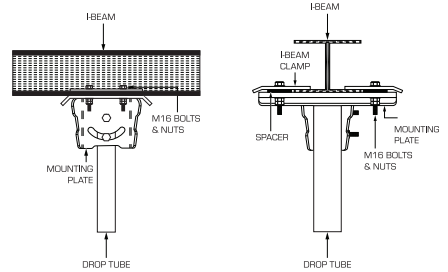


MOUNTING DETAILS

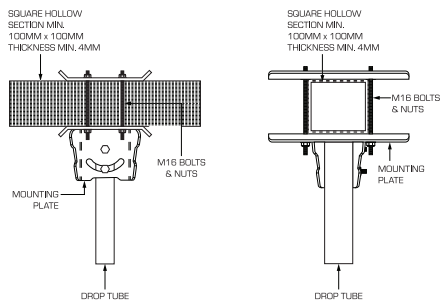
MOUNTING DETAILS FOR CONCRETE BEAM



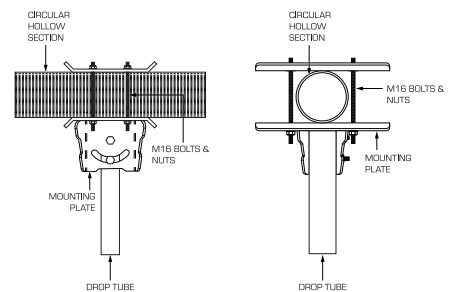
MOUNTING DETAILS FOR L-BEAM



MOUNTING DETAILS FOR SQUARE/RECTANGULAR HOLLOW SECTION



MOUNTING DETAILS FOR RECTANGULAR HOLLOW SECTION



FEATURES



GARD SQUAD®

We set ourselves apart from the competition by providing professional installations, excellent customer service and prompt after-sales services. Our Gard Squad is well-trained and equipped with the technological know-how to solve any issues swiftly and efficiently.

Our professional service team and products are well regulated in compliance to industry standards.



OUR GARD SQUAD HAVE GOT YOU COVERED!

We offer various services for your peace of mind



SCHEDULING MAINTENANCE

You will be alerted by our friendly customer service agents for scheduled maintenance.



SAFETY ASSURANCE

Safety measures are prioritized during and after installation of our HVLS fans.



ON-TIME INSTALLATION

Delivering the most efficient HVLS fan installation to ensure your site operations are not disturbed.



CLEAN AND COMFORT

We clean up after ourselves so you don't have to deal with leftover dust and debris.



SCAFFOLDING AVAILABLE

For peace of mind, we only use aluminium scaffold tower to ensure safety during installation.



SITE EVALUATION

Our trained engineers will visit and evaluate your site for optimal fan performance.



DESIGN

Valuable info collected from the site visit will be important for our team to design an action plan moving forward.



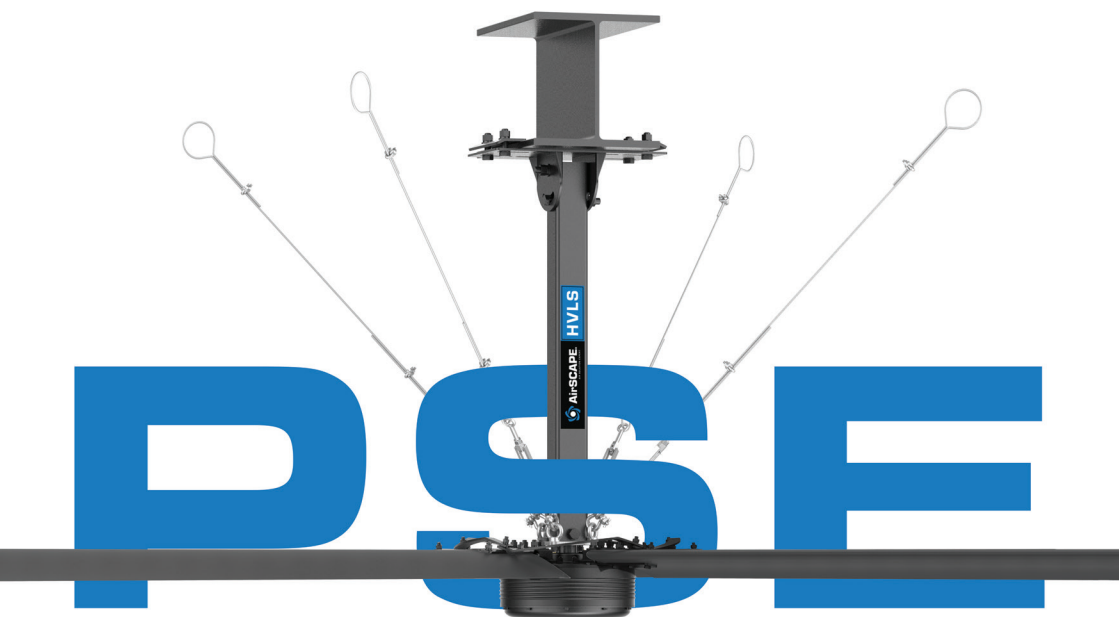
PROPOSAL

A proposal will be presented and explained in detail on which fan model is well suited for your establishment.



CFD ANALYSIS

Using computational fluid dynamics (CFD), we can quickly provide a recommendation for your space that you can see and believe.



PRECISION. PERFORMANCE. PERFECTION.



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