

SUNWINS

HVLS FAN

HIGH VOLUME LOW SPEED



Reliability Driven by Innovation

10 Year
warranty
T&C

CE CB

WHY HVLS FAN?



HIGHER AIR CIRCULATION

Air volume can reach up to 628,000 cfm with certified fan performance for optimum air ventilation



LOWER ENERGY USAGE

High airflow, low energy use—our HVLS fan optimizes comfort while saving power for long hour usage



QUALITY SERVICE TEAM

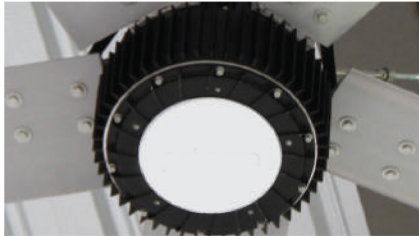
Our Service Team is dedicated to ensure top product standards and customer support with expert solutions tailored to your needs



RELIABILITY

Our Team ensures fans are installed securely and safely with labor warranty for customer to have a peace of mind

PERMANENT MAGNET SYNCHRONOUS MOTOR (PMSM)



Our PMSM is engineered to deliver **industrial-grade performance** for applications requiring extended operational hours. Designed to withstand the demands of continuous use, it ensures consistent and reliable performance across a wide range of environments. It also comes with IP65 Rating that can be used for various factories with dusty environments.

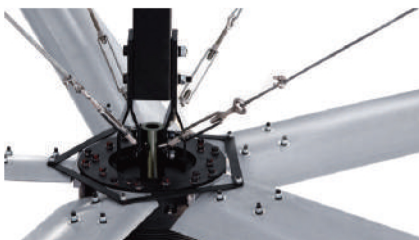
Direct Drive PMSM has no gearbox which can greatly reduce maintenance cost on oil changes.

REVOLUTIONARY BLADE TECHNOLOGY



Crafted with continuous long fiber composite airfoil blade material imported from Japan, this material is trusted in high-performance applications like helicopters, airplanes, and wind turbine blades, ensuring unparalleled durability and efficiency. Our blade design includes a patented Tip Deflector that reduces vortices, enhancing efficiency and significantly lowering noise levels. This innovation ensures that our HVLS fans provide powerful airflow without the disruptive noise often associated with high-performance fans.

MECHANICAL SAFETY FEATURES



The fan comes with anti-falling locking system that secures it and the safety cables that provide double layer protection. All steels used are heavy duty and fasteners with Grade 12.9 that can withstand great stress. The blades comes with safety link mechanism that can absorb impact and prevent it from falling.

ADVANCED CONTROL SYSTEM



Our advanced control system features the **Variable Frequency Drive (VFD)**, one of the top provider in automation components. It provide specialized configurations that minimize vibration and noise. Paired with quality circuit breakers, the system guarantees reliable operation and enhanced safety, making it ideal for long-lasting, efficient, and trouble-free performance in industrial applications.

A close-up, low-angle shot of a large industrial fan. The fan has five long, grey, aerodynamic blades radiating from a central black motor housing. The motor housing has a circular, ribbed design. The background is a light grey wall with a subtle geometric pattern of triangles.

IGT series

Industrial HVLS Ceiling Fan

Description

- Direct Drive Gearless Permanent Magnet Synchronous Motor with IP65 Rating
- 5 Airfoil Blades with exquisite aerodynamic design
- Inverter Speed Control with voltage overload protection
- 12 Safety Protection design that ensures safe operation

**PERMANENT
MAGNETIC
MOTOR**

14FT - 24FT

IP65

IGT series

MODEL	IGT-43W	IGT-49W	IGT-55W	IGT-65W	IGT-73W
Blade Diameter	14ft / 4.3m	16ft / 4.9m	18ft / 5.5m	21ft / 6.5m	24ft / 7.3m
Blade Material	Continuous Long Fiber Composite Airfoil				
Number of Blades	5				

PERFORMANCE

Max Speed	90rpm	85rpm	80rpm	66rpm	56rpm
Max Volume	8,500m ³ /m	10,500m ³ /m	12,000m ³ /m	14,900m ³ /m	17,800m ³ /m
Max Coverage Area	610m ²	700m ²	800m ²	1,100m ²	1,375m ²
Optimum Coverage Area	250m ²	360m ²	450m ²	650m ²	840m ²
Recommended Spacing (Max)	18m	20m	24m	28m	32m
Noise	< 39dB				

MOTOR SPECIFICATION

Motor Type	Direct Drive Permanent Magnet Synchronous Motor				
Rated Power	0.48kW	0.72kW	0.85kW	1.1kW	1.25kW
Rated Amp	1.5A	2.3A	2.9A	4.2A	5A
Voltage	240V or 415V upon request				
Operating Temp Range	0° to 45°				
Protection	IP 65				

FAN WEIGHT

Fan Weight*	55kg	58kg	72kg	78kg	81kg
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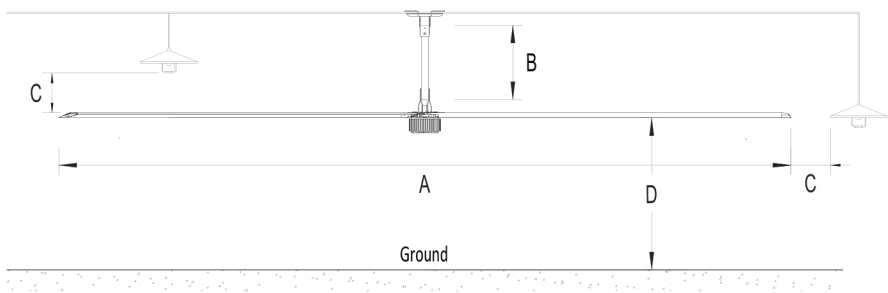
CONTROL SYSTEMS

Control Options	Control Box with built-in Variable Frequency Drive, RCBO, Isolator / Optional: Centralized Digital Touch Pad Control up to 45 fans				
Protection	IP 55				

COMPLIANCE

Certifications	IEC, CE, CB and Intertek				
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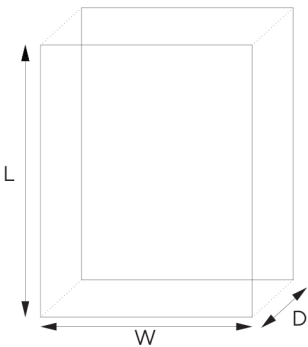
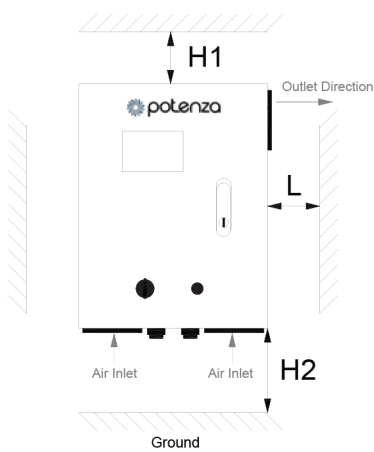
*Fan weight excludes mounting bracket, fan pole and other accessories



DIMENSION

Model	Fan Diameter (A)	Pole Length (B)	Obstacles Distance (C)	Ground Distance (D)
IGT-43W	4.3m			
IGT-49W	4.9m			
IGT-55W	5.5m	0.3m – 6m	≥ 400mm	5m – 11m
IGT-65W	6.5m			
IGT-73W	7.3m			

DIMENSION: CONTROL BOX

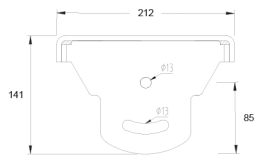
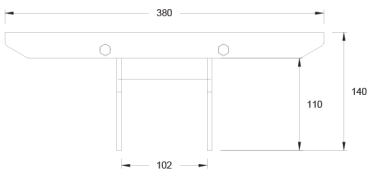
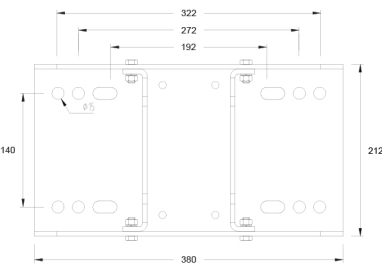


Spacing Requirement		
H1	H2	L
>20cm	>150cm	>10cm

Control Box Dimension		
L	W	D
36cm	28cm	21cm

DIMENSION: MOUNTING BRACKET

Bottom View	Front View	Side View
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*Above dimension is only applicable for IGT-55W to 73W, IGT-43W & IGT-49W dimension upon request
*Measurement in millimeter (mm)



CGT series

Commercial HVLS Ceiling Fan

Description

- Direct Drive Gearless Permanent Magnet Synchronous Motor with IP65 Rating
- 6 Airfoil Blades with exquisite aerodynamic design
- Inverter Speed Control with voltage overload protection
- 12 Safety Protection design that ensures safe operation

**PERMANENT
MAGNETIC
MOTOR**

8FT - 14FT

IP65

CGT series

MODEL	CGT-25W	CGT-30W	CGT-36W	CGT-42W
Blade Diameter	8ft / 2.5m	10ft / 3.0m	12ft / 3.6m	14ft / 4.2m
Blade Material	Aluminium Alloy Airfoil			
Number of Blades	6			

PERFORMANCE

Max Speed	120rpm	110rpm	85rpm	70rpm
Max Volume	3,600m ³ /m	5,250m ³ /m	5,850m ³ /m	6,750m ³ /m
Max Coverage Area	225m ²	330m ²	425m ²	465m ²
Optimum Coverage Area	56m ²	115m ²	165m ²	200m ²
Recommended Spacing (Max)	6m	7m	8m	9m
Noise	<39dB			

MOTOR SPECIFICATION

Motor Type	Direct Drive Permanent Magnet Synchronous Motor			
Max Power	0.15kW	0.26kW	0.33kW	0.34kW
Rated Amp	0.35A	0.72A	1.2A	2.65A
Voltage	240V			
Operating Temp Range	-20° to 45°			
Protection	IP 65			IP 44

FAN WEIGHT

Fan Weight*	26 kg	28 kg	30 kg	34 kg
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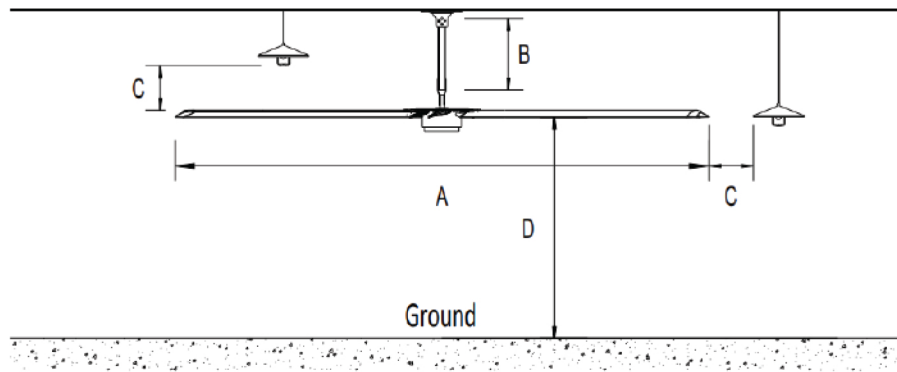
CONTROL SYSTEMS

Control Options	Variable Frequency Drive Controller/ Optional: Centralized Digital Touch Pad Control up to 45 fans			
Protection	IP 20			

COMPLIANCE

Certifications	IEC, CE, CB and Intertek			
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*Fan weight excludes mounting bracket, fan pole and other accessories

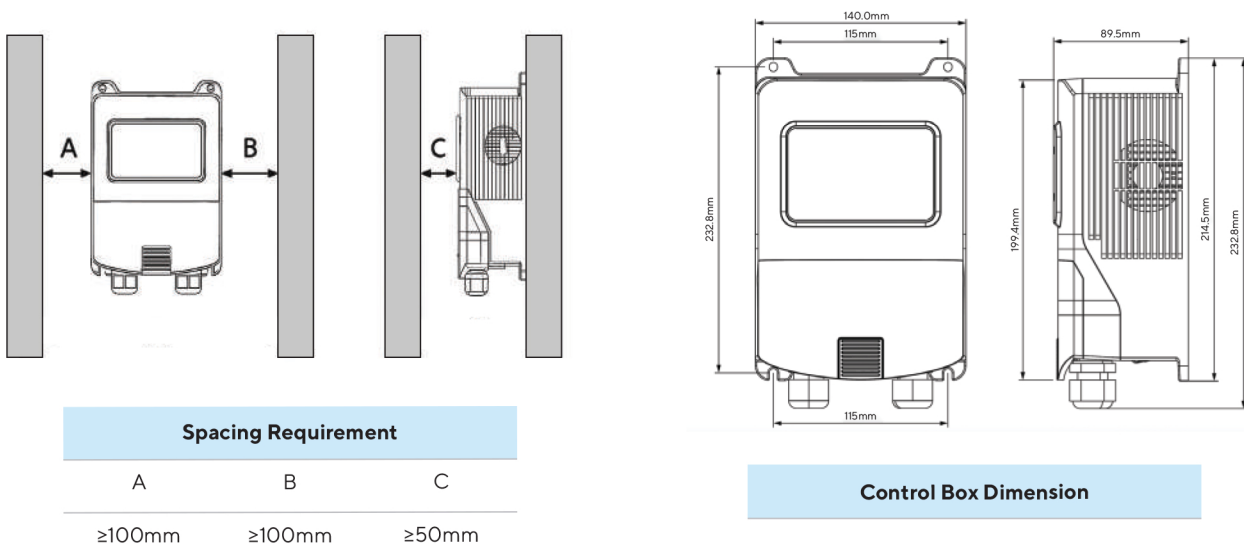


DIMENSION

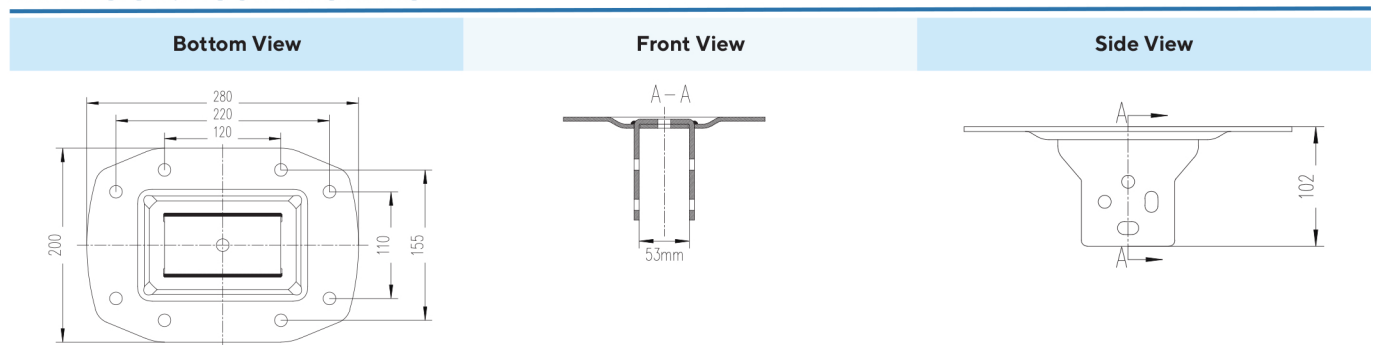
Model	Fan Diameter (A)	Pole Length (B)	Obstacles Distance (C)	Ground Distance (D)
CGT-25W	2.5m	0.3m – 6m	≥ 300mm	3m – 6m
CGT-30W	3.0m			
CGT-36W	3.6m			
CGT-42W	4.2m			

*Pole length more than 1 meter is required to install Safety Guy Wire

DIMENSION: CONTROL BOX



DIMENSION: MOUNTING BRACKET



*Measurement in millimeter(mm)

A large industrial fan with five long, dark grey blades mounted on a tall, white, cylindrical pole. The fan is positioned on the right side of the image, with its blades extending towards the top left. The background is a light grey geometric pattern of triangles.

SGT series

Industrial HVLS Stand Fan

Description

- Direct Drive Gearless Permanent Magnet Synchronous Motor with IP65 Rating
- 5 Airfoil Blades with exquisite aerodynamic design
- Inverter Speed Control with voltage overload protection
- 12 Safety Protection design that ensures safe operation

**PERMANENT
MAGNETIC
MOTOR**

18FT - 24FT

IP65

SGT series

MODEL	SGT-55W	SGT-65W	SGT-73W
Blade Diameter	18ft / 5.5m	21ft / 6.5m	24ft / 7.3
Blade Material	Continuous Long Fiber Composite Airfoil		
Number of Blades	5		

PERFORMANCE

Max Speed	80rpm	66rpm	120rpm
Max Volume	12,000m ³ /m	14,900m ³ /m	17,800m ³ /m
Max Coverage Area	800m ²	1100m ²	1375m ²
Optimum Coverage Area	450m ²	650m ²	840m ²
Recommended Spacing (Max)	19m	23m	25m
Noise	<39dB		

MOTOR SPECIFICATION

Motor Type	Direct Drive Permanent Magnet Synchronous Motor		
Max Power	0.85kW	1.10kW	1.25kW
Rated Amp	2.9A	4.2A	5A
Voltage	240V		
Operating Temp Range	0° to 45°		
Protection	IP 65		

FAN WEIGHT

Fan Weight*	217kg	220kg	226kg
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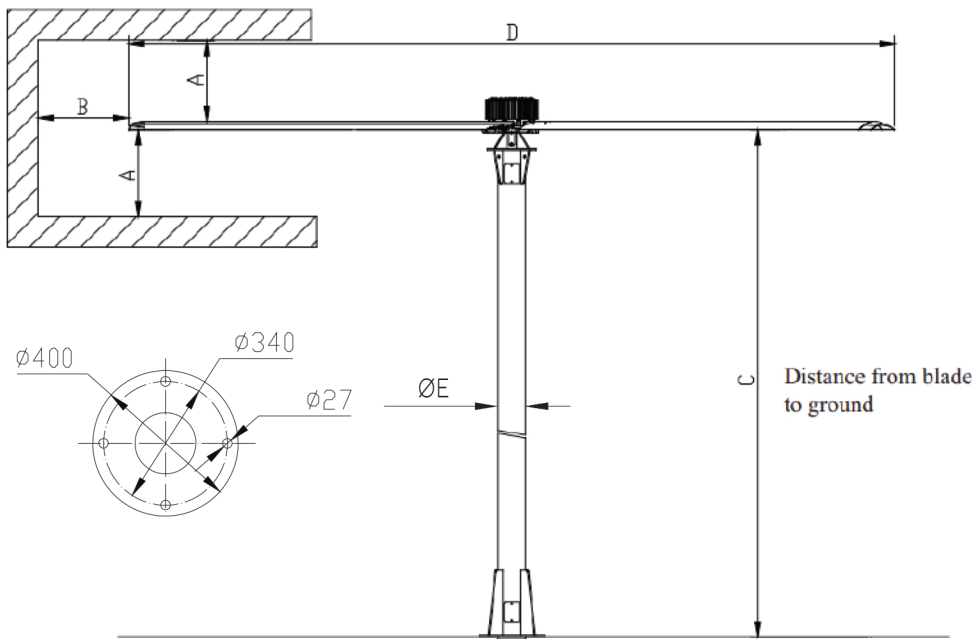
*Fan weight is inclusive of 5m stand pole

CONTROL SYSTEMS

Control Options	Variable Frequency Drive Controller/ Optional: Centralized Digital Touch Pad Control up to 45 fans		
Protection	IP 55		

COMPLIANCE

Certifications	IEC, CE, CB and Intertek		
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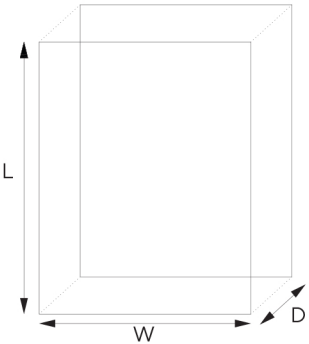
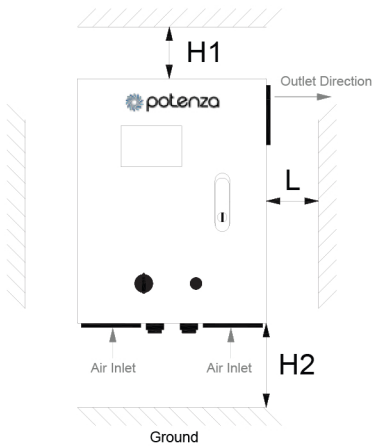


DIMENSION

Model	Vertical & Horizontal Obstacle Distance (A & B)	Distance from Blade to Ground	Fan Diameter	Appropriate distance between fans	Pole Diameter $\varnothing E$
SGT-55W	$\geq 400\text{mm}$	$\geq 4000\text{mm}$	5500mm	13 - 19m	$\varnothing 400$
SGT-65W	$\geq 400\text{mm}$	$\geq 4000\text{mm}$	6500mm	17 - 23m	
SGT-73W	$\geq 400\text{mm}$	$\geq 4000\text{mm}$	7300mm	19 - 25m	

*Different pole length upon request

DIMENSION: CONTROL BOX



Spacing Requirement		
H1	H2	L
>20cm	>150cm	>10cm

Control Box Dimension		
L	W	D
36cm	28cm	21cm



MGT series

Commercial HVLS Stand Fan

Description

- Direct Drive Gearless Permanent Magnet Synchronous Motor with IP65 Rating
- 6 Airfoil Blades with exquisite aerodynamic design
- Inverter Speed Control with voltage overload protection
- 12 Safety Protection design that ensures safe operation

**PERMANENT
MAGNETIC
MOTOR**

8FT -12FT

IP65

MGT series

MODEL	MGT-25W	MGT-30W	MGT-36W
Blade Diameter	8ft / 2.5m	10ft / 3.0m	12ft / 3.6m
Blade Material	Aluminium Alloy Airfoil		
Number of Blades	6		

PERFORMANCE

Max Speed	120rpm	110rpm	85rpm
Max Volume	3,600m ³ /m	5,250m ³ /m	5,850m ³ /m
Max Coverage Area	225m ²	330m ²	425m ²
Optimum Coverage Area	56m ²	115m ²	165m ²
Recommended Spacing (Max)	6m	7m	8m
Noise	<39dB		

MOTOR SPECIFICATION

Motor Type	Direct Drive Permanent Magnet Synchronous Motor		
Max Power	0.15kW	0.26kW	0.33kW
Rated Amp	0.35A	0.72A	1.2A
Voltage	240V		
Operating Temp Range	-20° to 45°		
Protection	IP 65		

FAN WEIGHT

Fan Weight*	144kg	146kg	149kg
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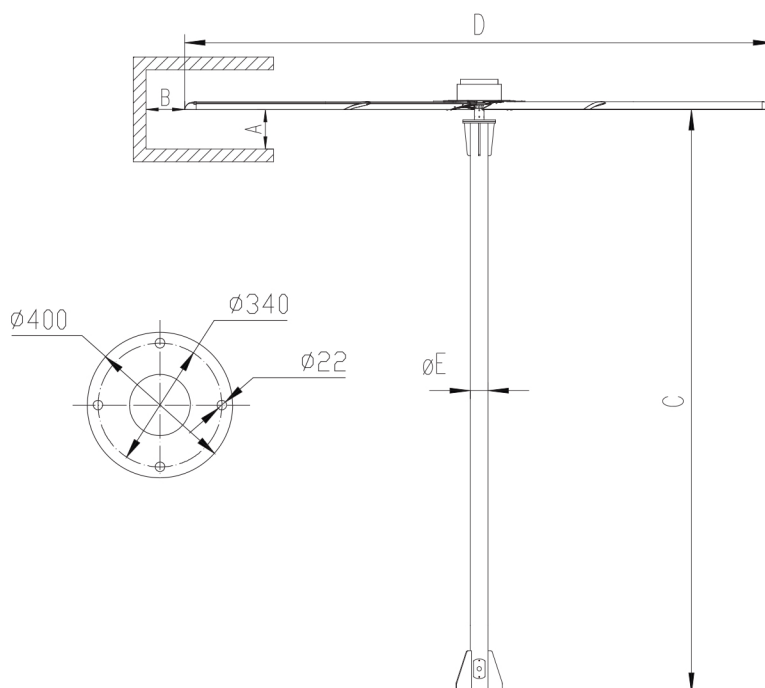
**Fan weight is inclusive of 3.5m Stand Pole

CONTROL SYSTEMS

Control Options	Variable Frequency Drive Controller/ Optional: Centralized Digital Touch Pad Control up to 45 fans		
Protection	IP 20		

COMPLIANCE

Certifications	IEC, CE, CB and Intertek		
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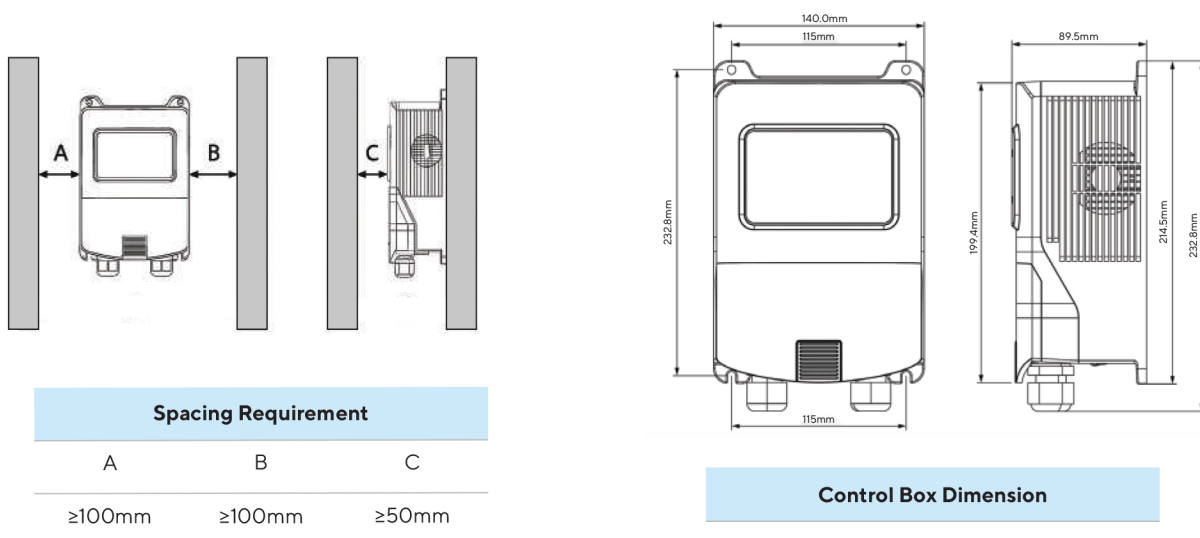


DIMENSION

Model	Vertical & Horizontal Obstacle Distance (A & B)	Distance from Blade to Ground	Fan Diameter	Pole Diameter ØE
MGT-25W	≥ 300mm	≥ 3750mm	2500mm	Ø400
MGT-30W	≥ 300mm	≥ 3750mm	3000mm	
MGT-36W	≥ 300mm	≥ 3750mm	3600mm	

*Different pole length upon request

DIMENSION: CONTROL BOX





SUNWINS