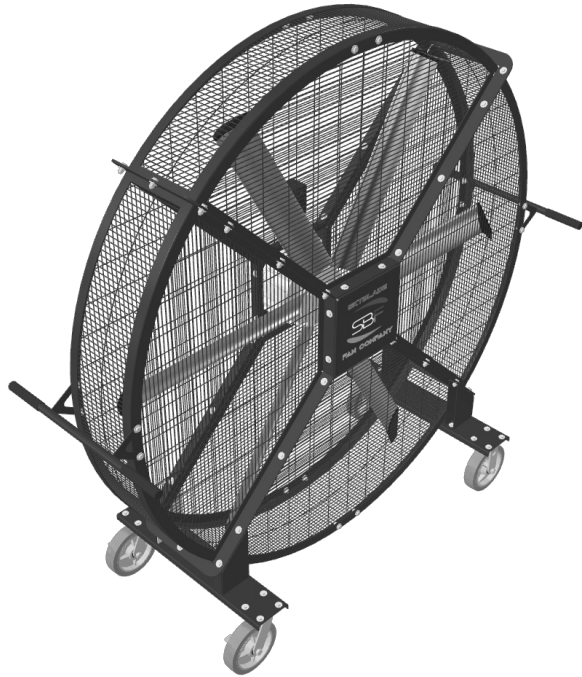




SKYBLADE® FAN CO.
Where Form Follows Function

WINGMAN SERIES®

Directional Fans



INSTALLATION MANUAL

Custom Designed

Reduced Maintenance

STOL Technology



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Wingman Assembly

MODEL	DIAMETER	WIDTH	LENGTH	HEIGHT	WEIGHT
WM-0618	6' / 1.8M Fan	32" (813mm)	85.0" (2159mm)	84" (2134mm)	315 lbs. (143 kg)

SKYBLADE® and **WINGMAN®** are the trademarks of Skyblade Fans.

1 PRE-OPERATION

1.1 Caution and Safety

READ AND SAVE THESE INSTRUCTIONS.

A printable, electronic version is available online at skybladefans.com.

⚠ WARNING/AVERTISSEMENT



Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read and understand the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

Une installation, un réglage, une modification, un service ou un entretien incorrects peuvent causer des dommages matériels, des blessures ou la mort. Lisez et comprenez soigneusement les instructions d'installation, de fonctionnement et d'entretien avant d'installer ou de réparer cet équipement.



To Reduce the Risk of Fire, Electric Shock, or Injury to Persons, Observe the Following:

Do not use replacement parts that have not been recommended by SkyBlade Fan Company (e.g. parts made at home using a 3D printer).

Pour réduire le risque d'incendie, de choc électrique ou de blessures, suivez les consignes suivantes:

Ne pas utiliser de pièces de rechange qui n'ont pas été recommandées par la société SkyBlade Fan (par exemple, des pièces fabriquées à domicile à l'aide d'une imprimante 3D).

⚠ CAUTION/ATTENTION

This appliance incorporates a ground connection for functional purposes only.

Cet appareil intègre une connexion à la terre uniquement à des fins fonctionnelles.

This product is not compatible with Ground Fault Circuit Interrupter (GFCI) outlets. Using this device with a GFCI outlet may cause it to malfunction. Please use a standard outlet for proper operation.

Ce produit n'est pas compatible avec les prises équipées d'un disjoncteur différentiel (GFCI). L'utilisation de cet appareil avec une prise GFCI peut entraîner un dysfonctionnement. Veuillez utiliser une prise standard pour un fonctionnement correct.

Ensure access to the power supply receptacle is accessible so in the event a user needs to physically disconnect power it can be easily unplugged.

Assurez-vous que l'accès à la prise d'alimentation est dégagé afin qu'un utilisateur puisse facilement débrancher l'appareil en cas de besoin de coupure physique de l'alimentation.

Not suitable for applications over 2000m above sea level.

Ne convient pas pour des utilisations à plus de 2000 m au-dessus du niveau de la mer.

1 PRE-OPERATION

1.3 Operation and service

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

⚠ CAUTION/ATTENTION

Moving Parts: Always keep body parts away from moving components. Do not attempt to touch or interact with moving parts using any tool or device.

Pièces mobiles: Gardez toujours les parties du corps éloignées des composants en mouvement. N'essayez pas de toucher ou d'interagir avec les pièces mobiles à l'aide d'un outil ou d'un appareil.

Place on Level Surface: Ensure the fan is positioned on a level surface before operation, with all four casters resting firmly on the ground. Do not operate the fan if it is leaning, tilted, propped at an angle, or laying on its side.

Placer sur une surface plane: Assurez-vous que le ventilateur est positionné sur une surface plane avant de l'utiliser, avec ses quatre roulettes reposant fermement sur le sol. Ne faites pas fonctionner le ventilateur s'il est incliné, penché, calé à un angle ou posé sur le côté.

Check Federal, State, and Local Codes: Check all relevant codes to make sure that all product certifications and product listing are met. Code compliance is the responsibility of the installer.

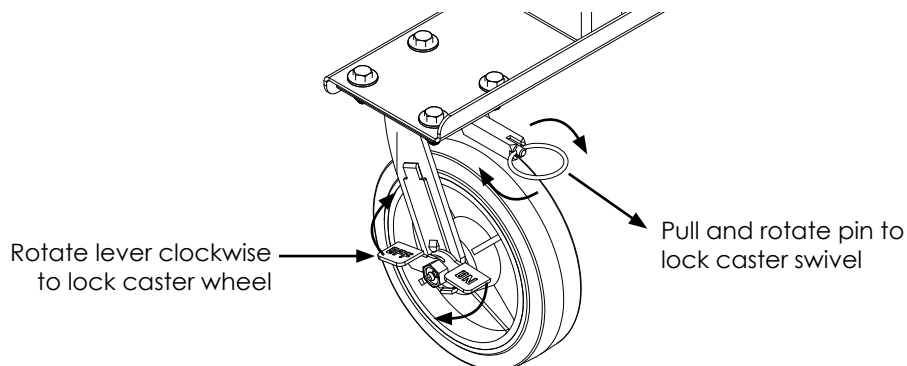
Vérifiez les codes fédéraux, étatiques et locaux: Consultez tous les codes pertinents pour vous assurer que toutes les certifications et inscriptions du produit sont respectées. La conformité aux codes est de la responsabilité de l'installateur.

Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer. The limited warranty does not cover equipment damage or failure that is caused by improper installation.

Utiliser cet appareil uniquement de la manière prévue par le fabricant. Si vous avez des questions, contactez le fabricant. La garantie limitée ne couvre pas les dommages à l'équipement ou de l'échec qui est causé par une mauvaise installation.

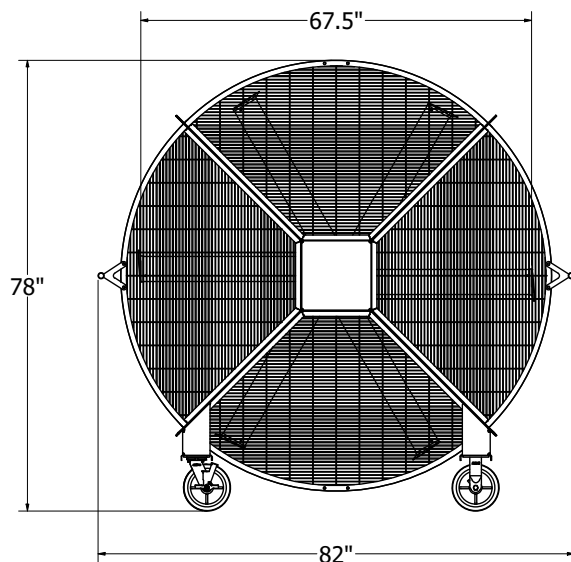
Do not operate the unit unless wheels are locked. Fan is powerful enough to roll if the wheels are not locked during operation.

Ne faites pas fonctionner l'appareil à moins que les roues ne soient verrouillées. Le ventilateur est suffisamment puissant pour rouler si les roues ne sont pas verrouillées pendant le fonctionnement.

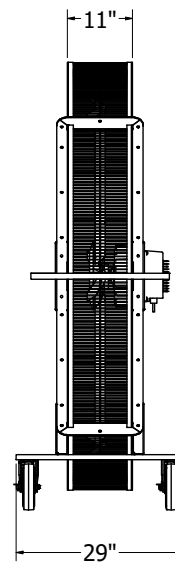


1 PRE-OPERATION

1.5 Fan Dimensions

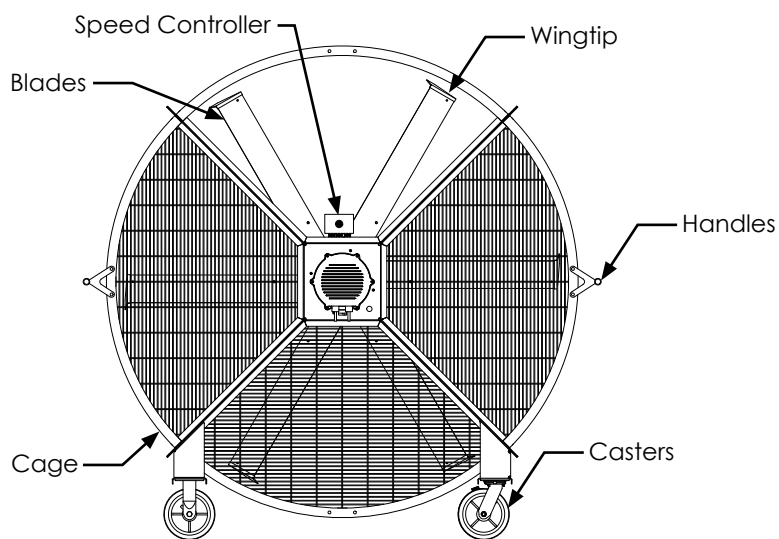


Front View



Side View

1.6 Fan Components



Rear View

NOTE: Cage partially hidden for clarity.

FAN COMPONENTS	
Cage	Provides a safe and rigid housing
Casters	Easy rolling and locks fan in place
Handles	Easy to push with comfortable grips
Speed Controller	Continuously variable control allows the fan to run at any speed
Blade	Provides air movement
Wingtip	Improves air movement efficiency by reducing drag

1 PRE-OPERATION

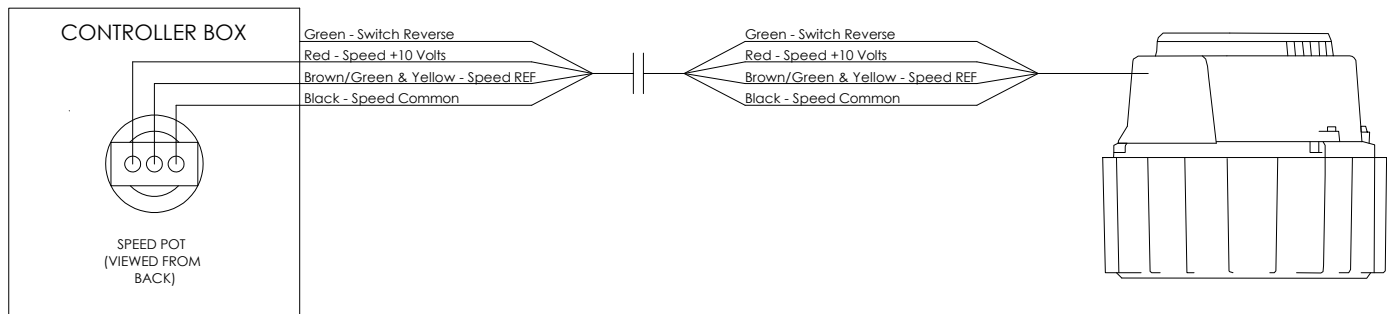
1.7 Control Panel



NOTE: The control panel (or motor controller) is prewired for 100-115VAC operation only with the Wingman fan. Opening the control panel will void the warranty. Any modifications to the plug or fan wiring may cause damage and will also void the warranty.

Please allow up to 60 seconds for the fan to start after selecting a speed.

1.8 Controller Wiring



2 MAINTENANCE

2.1 Maintenance

Cleaning: The amount of dust or debris accumulating on the fan depends on its application. While this buildup may not impact performance, we recommend regular cleaning. A maintenance professional or skilled trade worker should wipe the fan using a rag or sponge with hot water or a mild cleaning solution to keep it in optimal condition.

CAUTION/ATTENTION



Chemicals and Power Washing.

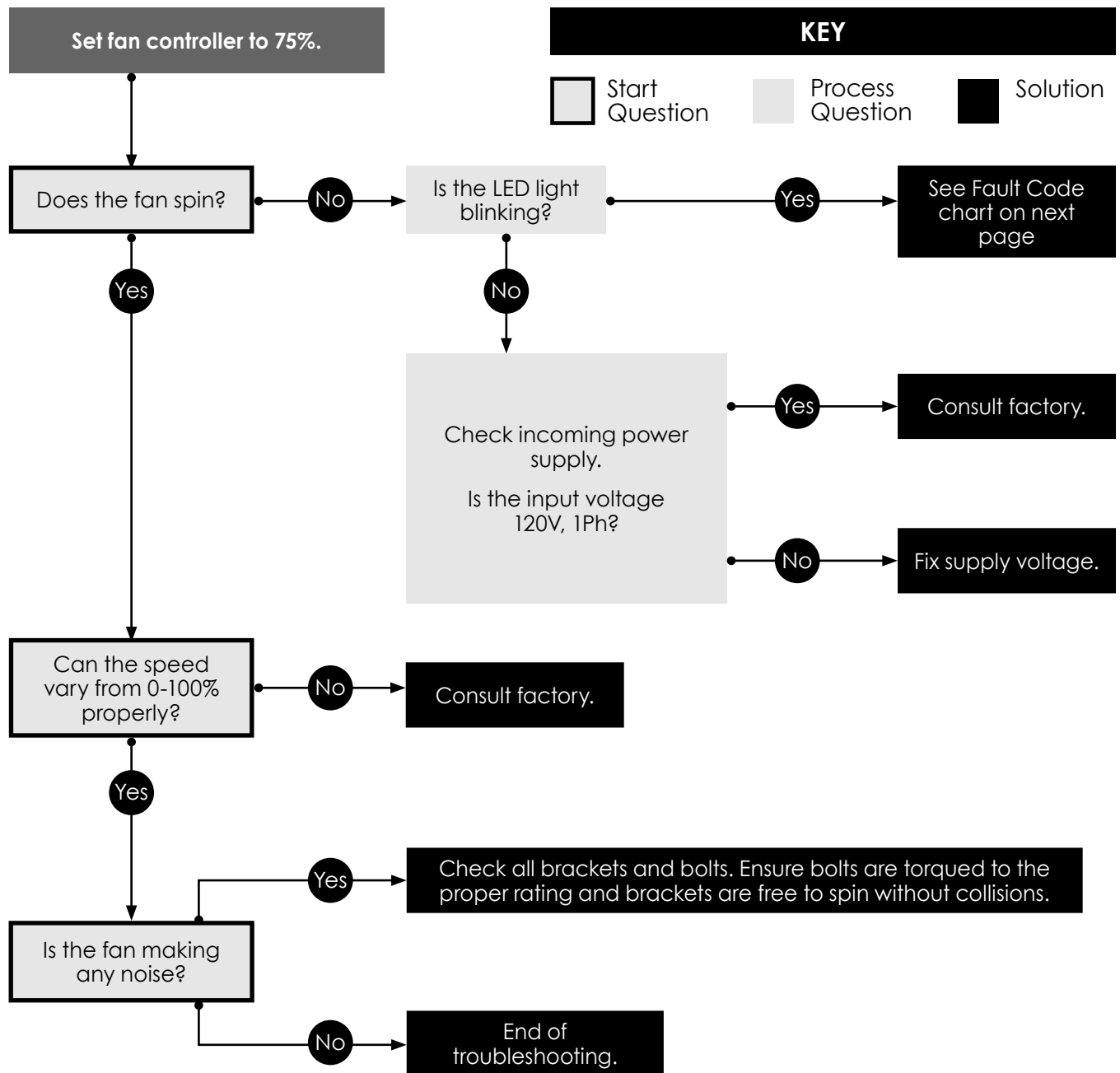
Do not use chlorine or any chlorine-based chemicals.

Avoid using a pressure washer, hose, or any method that sprays or pours water or chemicals onto the fan or its components.

Do not disassemble the cage surrounding the fan blades.

Never attempt to clean the fan while it is operating or connected to power.

3 TROUBLESHOOTING



3

TROUBLESHOOTING

FAULT CODES	
1 Blink/3 Seconds	The fan is operating normally.
Voltage 5 Blinks/Second	The Drive is undergoing some voltage issue. Make sure that the correct voltage is going to the fan.
Vibration 8 Blinks/Second	Check all brackets and bolts. Ensure bolts are torqued to the proper rating.
No LED Light	• If incorrect voltage is wired to the fan it may damage the driver. Driver will need to be replaced . Contact Factory. • If a voltage spike occurs, the drive may have been damaged. Driver will need to be replaced. Contact factory.

NOTE: Fan blades must be properly assembled to troubleshoot.

1. Fan shakes while in use.

Shaking may be caused by a variety of problems. Check the torque on all fasteners by using a calibrated torque wrench, DO NOT loosen and re-torque fasteners. Check blade fasteners by first removing all bolts securing the top quarter. If problem persists, please call the factory for assistance.

Although unlikely, mechanical resonance vibration is a possibility. In such case, contact factory for programming adjustments.

2. Fan will not start.

Ensure that the orange indicator LED is blinking. If the drive powers on but the fan still will not start, reference page 8 for troubleshooting steps.

3. Fan rotates in the wrong direction.

The fan should rotate in a counterclockwise direction when viewed downward. If this is not the case, ensure that both the controller and remote switch box are wired correctly.

4. LED indicator is not blinking in normal fashion.

Please contact Skyblade Fans customer service to resolve issue.

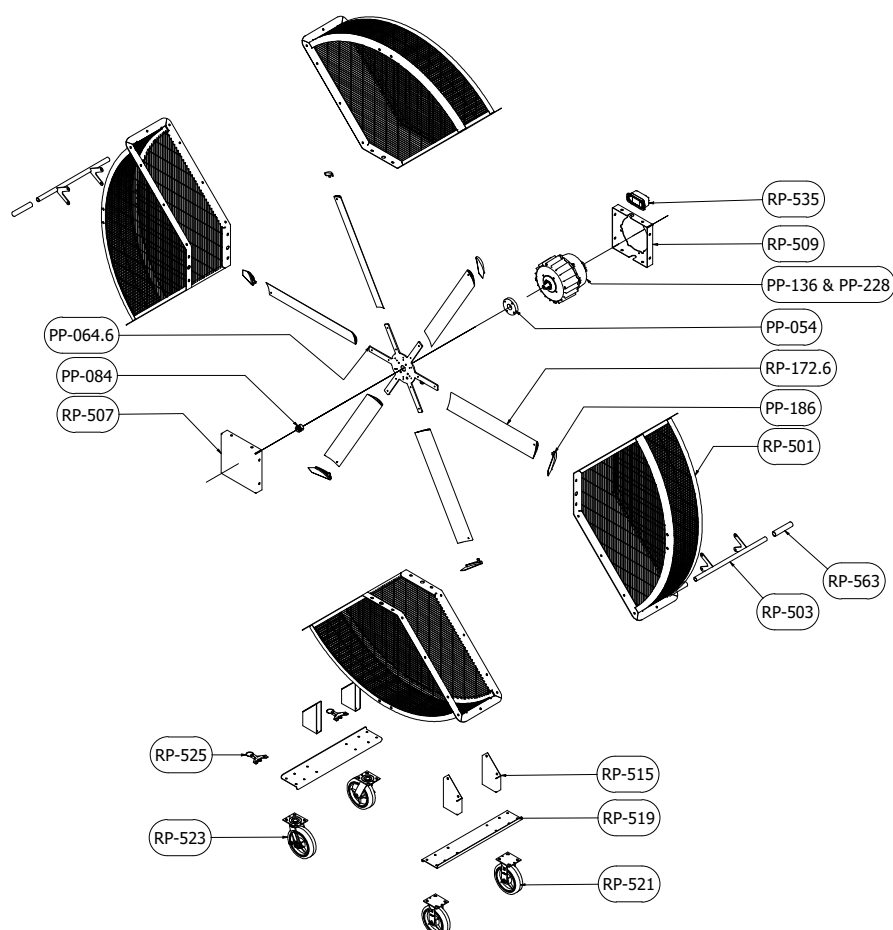
4 PARTS

4.1 Wingman Directional Fan Parts Diagram

⚠ CAUTION/ATTENTION

Replacement parts are supplied by SkyBlade Fan Company. Do not use replacement parts not supplied by SkyBlade Fan Company.

Les pièces de rechange sont fournies par la société SkyBlade Fan. N'utilisez pas de pièces de rechange qui ne sont pas fournies par la société SkyBlade Fan.



4.2 Wingman Directional Fan Parts List

PART #	DESCRIPTION	PART #	DESCRIPTION
PP-054	Hub Cylinder	RP-507	Front Cover
PP-064.6	Hub Plate	RP-509	Motor Mount Box
PP-084	Trantorque Bushing	RP-515	Base Feet
PP-136	Motor	RP-519	Base Plate
RP-172.6	6' Mini Blades	RP-521	Rigid Casters
PP-186	Black Wing Tip	RP-523	Swivel Casters
PP-228	Motor Driver	RP-525	Swivel Locks
RP-501	Quarter Cage	RP-535	Electronics Box
RP-503	Handle Assembly		

5 WARRANTY

5.1 Warranty

PRODUCTS AND SYSTEMS COVERED BY THIS WARRANTY AND APPLICABLE WARRANTY PERIODS:

FAN	MOTOR	ELECTRONICS	BLADES, CHASSIS, HUB, CAGE
Wingman	5 years (parts)	1 year (parts)	5 years (parts)

See warranty policy on www.skybladefans.com for complete details.



SkyBlade Fan Company | Where Form Follows Function

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