



ExSELLerate™ Series Dealer Training Guide



Windshear Storm



Windshear
Downdraft

Windshear Sidedraft



Windshear 3000

Windshear
SD 3500



Windshear Blower Family

At a Glance:

Specifications.....	Page 2
Introduction	Page 3
Blower Family Overview.....	Page 4
Windshear Storm	Page 5
Windshear 3000.....	Page 10
Windshear SD 3500	Page 14
Windshear Sidedraft	Page 18
Windshear Downdraft	Page 22
Green Cleaning	Page 27

Specifications

Model	Windshear Storm	Windshear Storm Deluxe	Windshear 3000	Windshear SD 3500	Windshear Sidedraft	Windshear Downdraft
Catalog Number	98778	98780	98772	98776	98782	98784
Speeds	3	3	3	3	2	2
Airflow	3,400 Feet per Minute (FPM)	3,400 Feet per Minute (FPM)	1,600 CFM 2,000 CFM 2,500 CFM	1,600 CFM 2,000 CFM 2,500 CFM	3,000 max CFM	2,500 - 3,500 CFM
Air Flow Direction (Degrees)	0 / 90	0 / 5 / 90	0 / 30 / 90	0 / 30 / 90	-15/0/15/90	360
Motor	0.5 hp	0.5 hp	0.5 hp	0.5 hp	0.25 hp	0.25 hp
Motor Rating	Continuous duty	Continuous duty	Continuous duty	Continuous duty	Continuous duty	Continuous duty
Housing	Polyethylene	Polyethylene	Polyethylene	Polyethylene	Polyethylene	Polyethylene
Handle	Molded in	Molded in	Molded in	Molded in / telescoping	Molded in	Molded in / telescoping
Stackable	Yes	Yes	Yes	Yes	Yes	Yes
Power Cord Length	20 ft / 6 m (18/3)	20 ft / 6 m (18/3)	25 ft (16/3)	20 ft / 6 m (18/3)	20 ft / 6 m (18/3)	20 ft / 6 m (18/3)
Power	120 V / 60 Hz	120 V / 60 Hz	115 V / 60Hz	115 V / 60 Hz	115 V / 60 Hz	115 V / 60 Hz
Weight	17.75 lbs	17.75 lbs	30 lbs	33 lbs	37 lbs.	52 lbs.
Dimensions (L x W x H)	22"x16.5"x11.5"	22"x16.5"x11.5"	18"x14"x20.5"	23"x18"x22"	24"x24"x21"	22"x18"x23"
Kickstand	No	Yes	No	Yes	No	No
Daisy Chain Capable	No	Yes	No	No	Yes	No
Running Amps	2.8 max	2.8 max	8 / 4 / 8.6	4 / 4.8	2.9 / 3.3	3.7
Third Party Approval	cETLus	cETLus	cETLus (115V) CE (230V)	cETLus	None	None



Introduction

PRODUCT INTRODUCTION

Use both in commercial and restoration applications, the possibilities are endless with the Windshear Family of blowers and dryers. These units can dry floors, carpets, rugs, padding, subfloors, cabinets, dry-wall, paint, closets, baseboards, attics, basements, furniture, draperies or just about anything you need to dry. The units are also perfect anywhere general air circulation is required, serving as industrial fans. This family of products was developed to create a new standard in blowers by increasing air-flow and drying efficiency while reducing size, amp draw, and weight. These new developments will minimize downtime in a room, in a large facility or at a job site.

The features and depth of the Windshear family of blowers exceed those found on most competitive unit in the market today.

TARGET MARKET

These units are perfect for the following environments:

- Health care environments where wetness provides a safety threat for residents and visitors and immediate, professional drying performance means safety.
- Schools and universities where clean and safe environments mean improved test scores and increased safety.
- Retail stores, restaurants, hotel and resort settings where drying wet floors after cleaning or during rainy or snowy seasons must be quickly accomplished to improve safety and continued business success.
- Building service contractors who must deliver maximum cleaning productivity, while reducing the total cost of clean up.
- After fire, flood or other water damage where a go-anywhere, durable unit can be transported and handled in an efficient manner.
- Contractors and restoration professionals who need a blower made to withstand harsh, every-day use and to outlast other competitive models on the market today.

TORNADO GOALS

- To develop an extremely easy-to-use and feature-rich blower family that are ready to work right out of the box.
- To combine innovation, rugged construction and common-sense design in an economic product.
- To provide a solution to challenging drying situations because drying productivity means better profits and increased facility safety.

THE TORNADO COMMITMENT

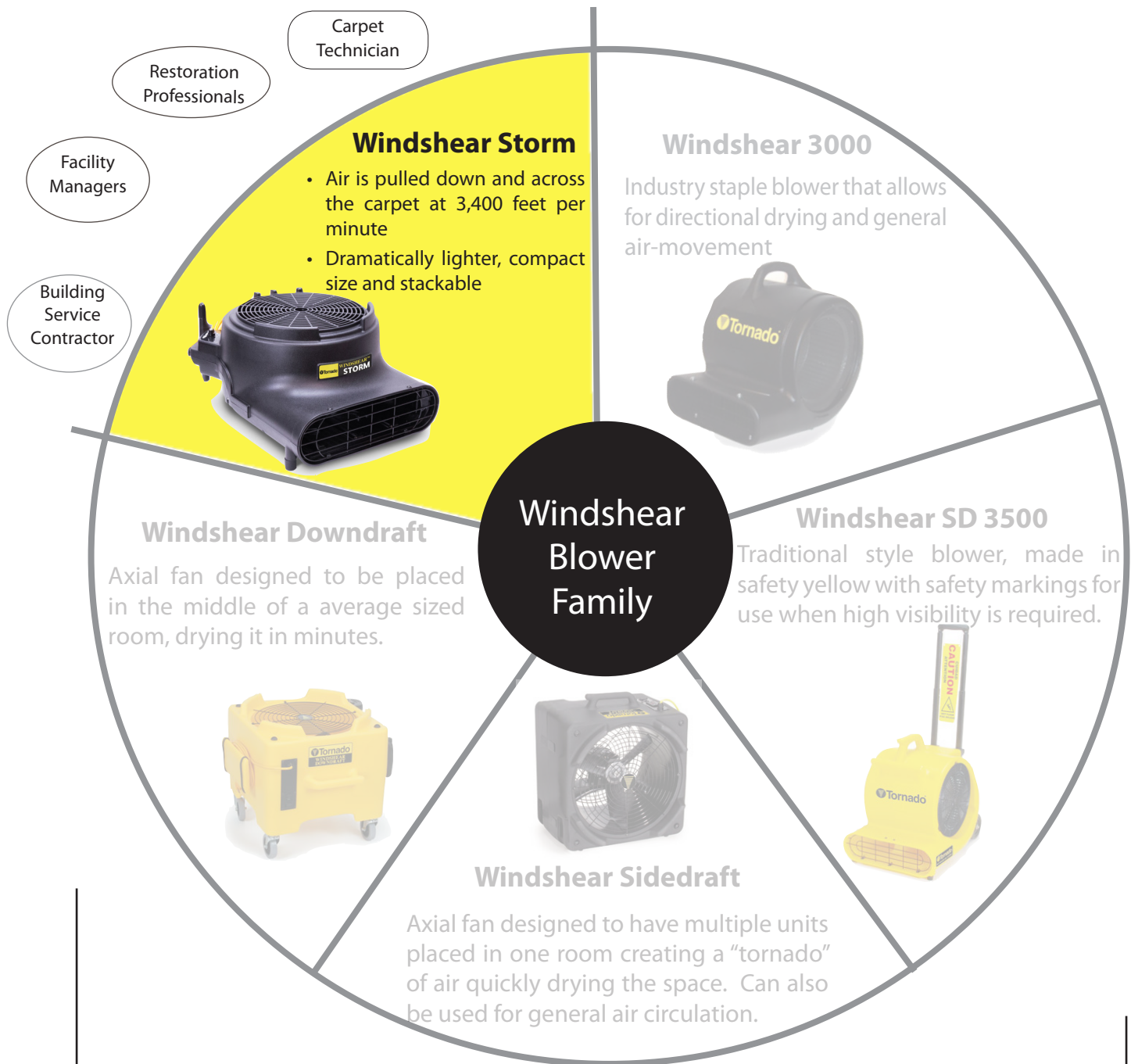
Tornado Industries is a leading manufacturer of commercial cleaning solutions offering the most comprehensive and innovative line of cleaning equipment in the industry. With over 87 years of industry experience, Tornado manufactures a complete line of upright vacuums, floor machines, automatic scrubbers, sweepers, wet/dry vacuums, industrial vacuums and more. Selling through a strong network of national Tornado dealers, we are committed to supporting the profitable growth of our dealer partners by delivering innovative and durable equipment that provides high profit margins for increased business growth.



Windshear Family of Blowers



Windshear Family of Blowers



Overview Windshear Storm



Features & Benefits of NEW Windshear Storm

Size	<ul style="list-style-type: none"> • Weighs up to 45% less than a traditional blower at 17.75 lbs. • Half the size of a traditional blower allows you to fit two Storms where one standard blower would fit • Stackable, compact and light “briefcase-style” profile
Daisy-Chainable (Deluxe Model)	<ul style="list-style-type: none"> • Up to four Storms can be connected together at one time for whole-room drying in large spaces.
“Driven Air” Technology	<ul style="list-style-type: none"> • New “Driven Air” technology offers superior performance! • Air flow velocity of 3,400 feet per minute • Multi-directional operation
Kickstand (Deluxe Model)	<ul style="list-style-type: none"> • A 5° angle can be added to the horizontal direction with the use of the kick-stand
Quiet	<ul style="list-style-type: none"> • Measuring 66.5 dBA at its lowest setting • Perfect for noise-sensitive, indoor environments such as schools, libraries, hospitals and hotels where noise must be kept at a minimum.
Energy Efficient	<ul style="list-style-type: none"> • Low-running amp draw of 2.8 amps • Eliminates blowing breakers and overloading circuits • Especially helpful for restoration work where power is at a premium

Key Features Windshear Storm

Multiple Position Settings

Feature: The standard unit can be placed in three (3) positions and the deluxe model has four(4).

Benefit: Directing airflow exactly where you need it most carpets, rugs, floors, paint, draperies, upholstery and all restoration projects gives great drying flexibility.

Vertically



On its side



Horizontally



5 degree angle (deluxe)



"Driven Air" Technology

Feature: Air is pulled down from above and "driven" across the surface at 3,400 feet per minute for faster drying times.

Benefit: Surfaces dry quickly under the high-volume, high-velocity airflow.

Daisy-Chain

Feature: The deluxe model offers an integrated power outlet, enabling you to connect up to four air movers together at one time on one circuit.

Benefit: This feature allows for energy efficiency while accomplishing whole-room drying in large spaces.



Compact Size and Stackable

Feature: Dramatically lighter, compact size of the Windshear Storm lets you store, use and transport twice as many blowers than before! Each unit has an easy-to-use carrying handle and cord wrap.

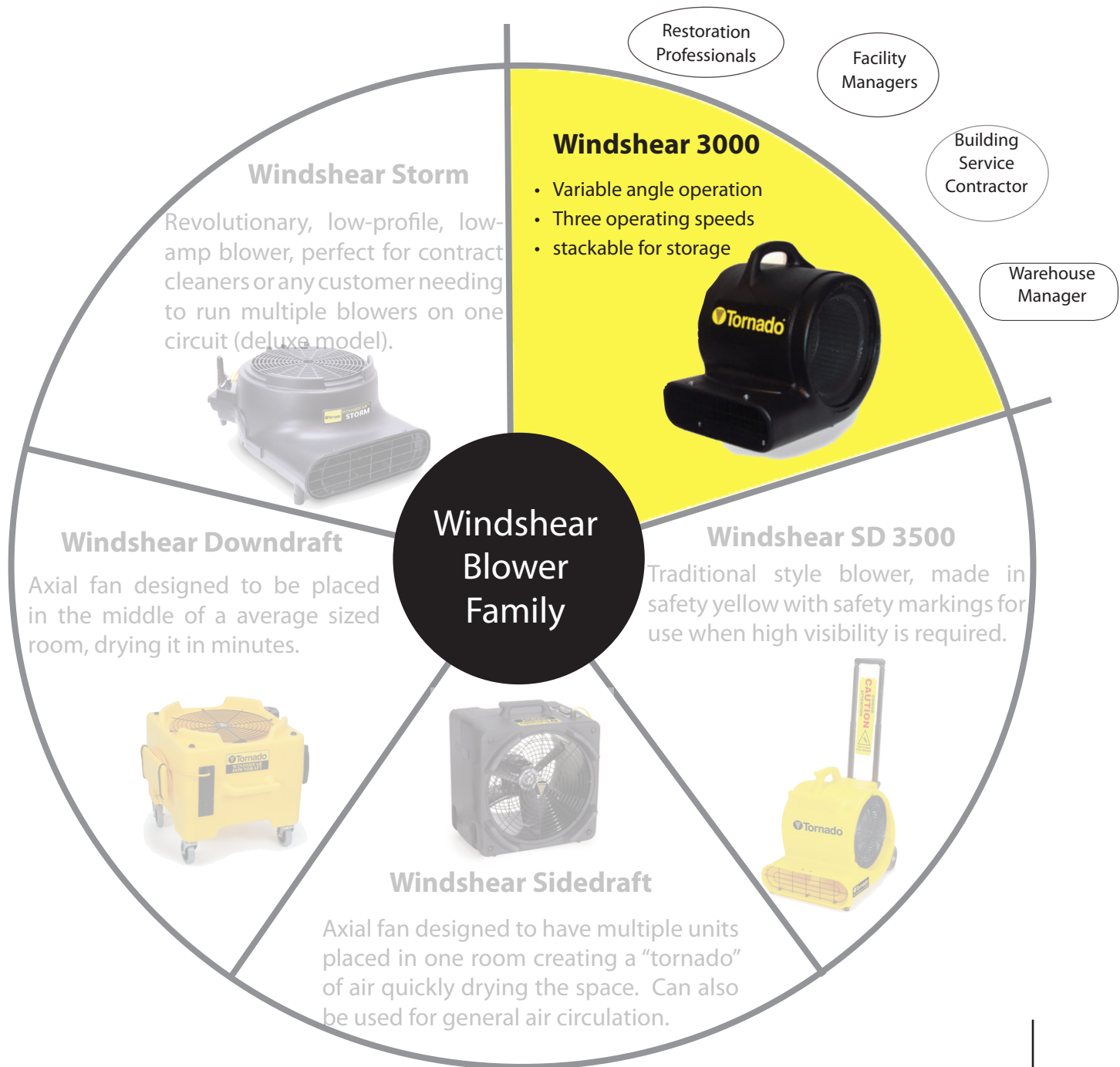
Benefit: Reducing storage concerns in transport vehicles by stacking allows for efficiency and ease when getting equipment to the worksite. Having more machines at the worksite provides more effective drying power, especially in large drying areas.

Key Buyers	
Building Service Contractor	✓
Restoration Professional	✓
Carpet Technician	✓
Facility Engineer	✓
Housekeeping Manager	✓

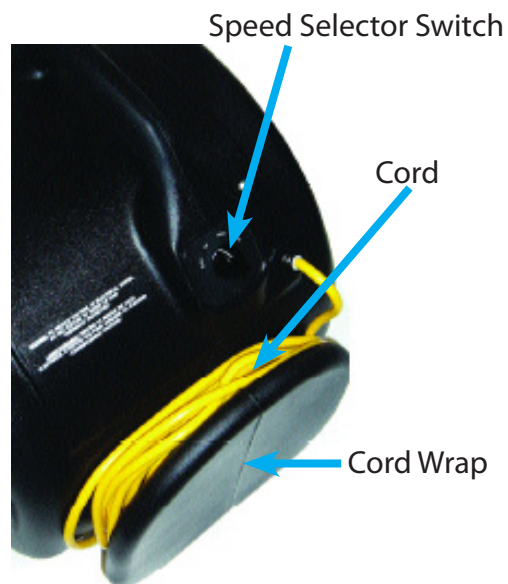
Narrative Bid Specifications

Specified Unit	Windshear Storm, Model: 98778, 98780
Summary	<p>The specified unit shall be a commercial-grade, single-motor blower/dryer for continuous duty with a 12¹/₂" inch diameter fan intake and 15¹/₂ x 4¹/₂" oval blower area. The unit shall be 22" x 16.5" x 11.5" and be equipped with 20' electrical chord.</p> <p>The warranty shall be as follows: One year parts / One year labor. Wear item and abuse and misuse not covered.</p>
Motors	The 2.8 amp blower 98778 and 98780 shall be powered by a 120 V / 60 Hz, .5 W motor.
Cord	Electric cord shall be 20', 18 gauge, 3 wire.
Running Amps	The running amp draw will be a maximum of 2.8 amps
Durability	The unit is made of heavy duty co-polymer polypropylene to withstand tough every day use.
Stackable & Lightweight	The design is a compact "briefcase-style" profile, weighing only 17.75 lbs, with stackable capability for transport or more effective drying power in large drying areas.
Daisy Chain Capable (Deluxe Model)	A deluxe model shall be available with a built-in, circuit breaker protected outlet that allows up to 3 units to be daisy chained from the base unit. This shall allow a total number of four (4) units that can run off of one circuit.

Windshear Family of Blowers



Overview Windshear 3000

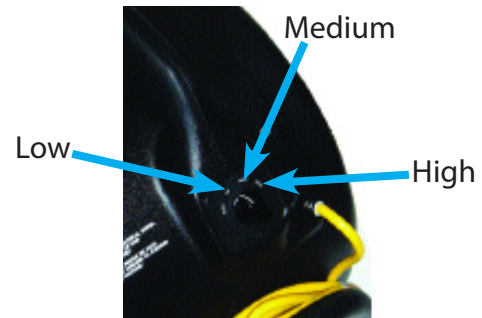


Key Features Windshear 3000

Three Operating Speeds

Feature: Set to low, medium or high while in operation.

Benefit: This allows the operator to determine how much airflow is needed to dry floors or for general air circulation. If quick drying times are required, simply set the Windshear 3000 on the highest setting to achieve a maximum CFM of 2,500.



Horizontally



30 degree angle



Vertically



Variable Angle Operation

Feature: Multi-angle Operation

Benefit: Operating in multiple angles allows the Windshear 3000 to direct air flow where needed increasing drying effectiveness and makes it perfect for general air circulation in warehouses or other larger spaces.

Stackable

Feature: Stackable

Benefit: To save on storage space, you can stack multiple fans on their side leaving room for other important cleaning equipment or supplies.



Cord Wrap

Feature: Integrated cord wrap

Benefit: The integrated cord wrap virtually eliminates the problems with cord management when storing the unit.

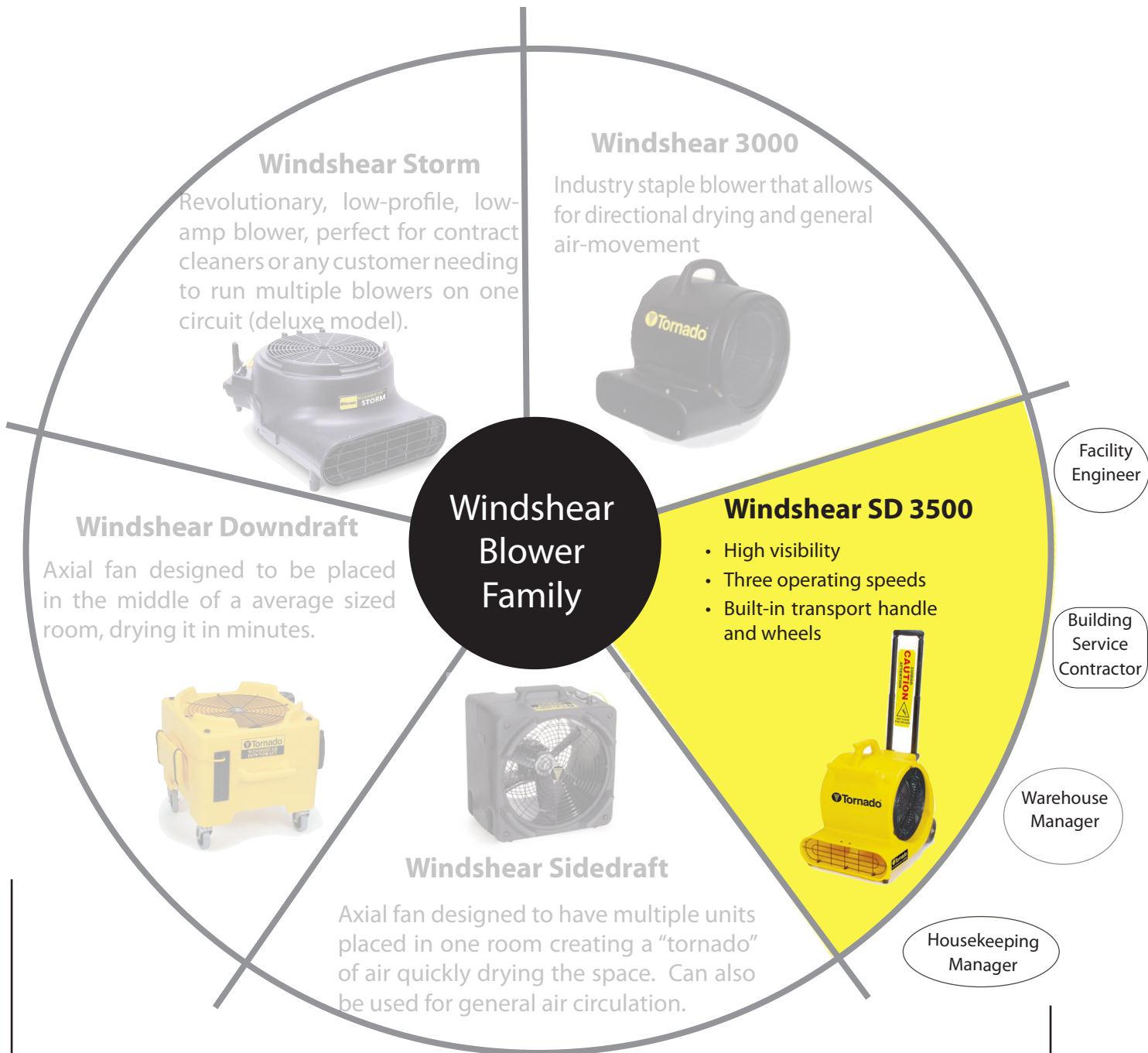
Key Buyers

Building Service Contractor	✓
Warehouse Manager	✓
Carpet Technician	✓
Facility Engineer	✓
Housekeeping Manager	✓

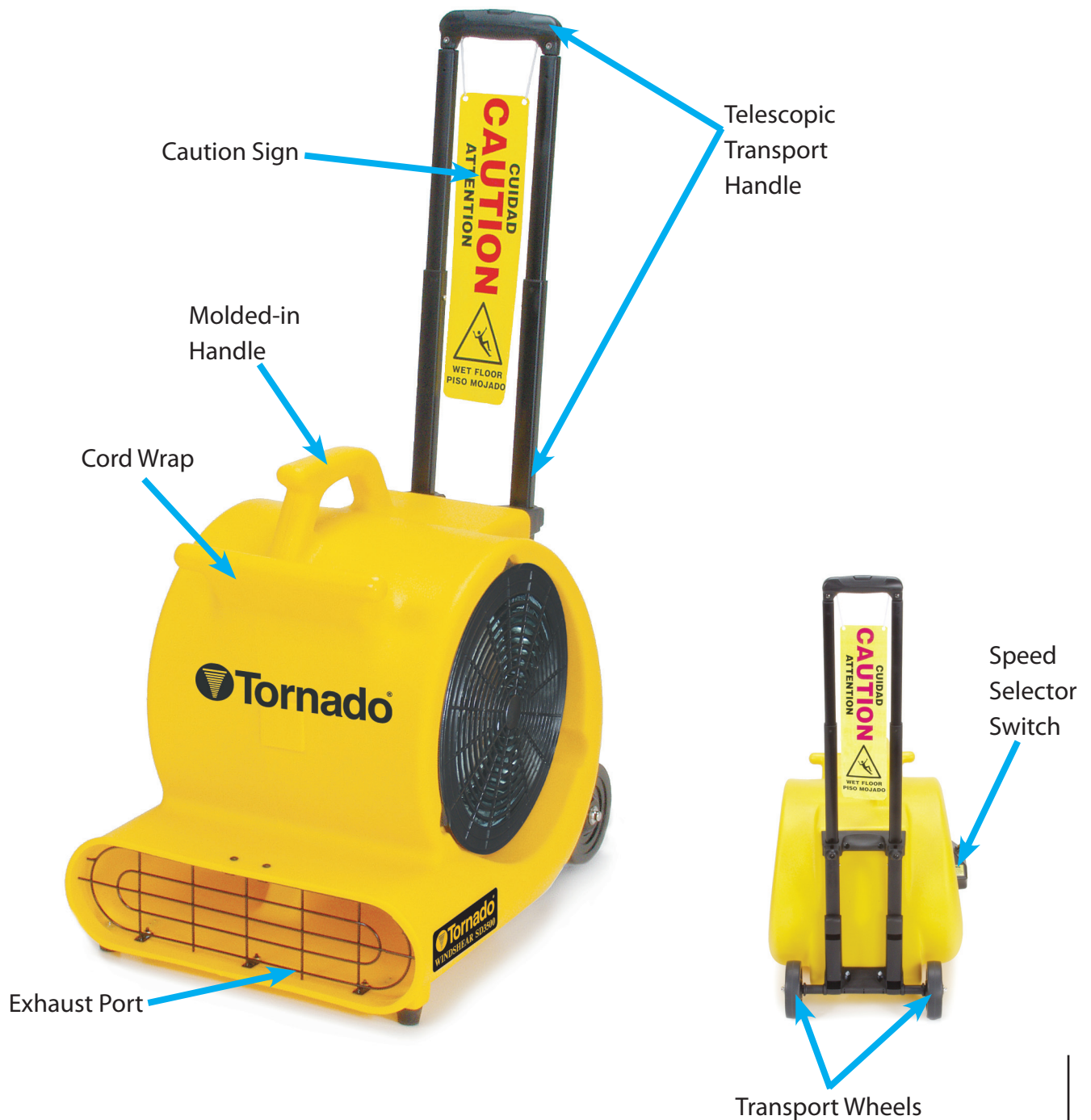
Narrative Bid Specifications

Specified Unit	Windshear 3000, Model: 98772
Summary	<p>The specified unit shall be a commercial-grade, single-motor blower/dryer for continuous duty. The unit shall be 18" x 14" x 20.5" and be equipped with 25' electrical chord.</p> <p>The warranty shall be as follows: One year parts / One year labor. Wear item and abuse and misuse not covered.</p>
Motors	The 8 amp blower 98772 shall be powered by a 115 V / 60 Hz, .5 hp motor.
Cord	Electric cord shall be 25', 18 gauge, 3 wire.
Weight	The weight will be 30 lbs.
Durability & Handle	The unit is made of heavy duty co-polymer polypropylene to withstand tough every day use. Easily transported with molded-in handle.
Stackable	Designed to stack multiple fans on their side for transport or more effective drying power in large drying areas.
Airflow Speed & Direction	Built-in three angle adjustment for drying or general air circulation is at 0 / 30 / 90 degrees. A three-speed switch permits airflow selection of 1,600, 2,000 and 2,500 CFM.

Windshear Family of Blowers



Overview Windshear SD 3500



Key Features Windshear SD 3500

High Visibility

Feature: Made in safety yellow color and features a caution sign.

Benefit: The SD 3500 is perfect for drying high traffic areas. The color and built-in safety sign helps avoid possible slip and fall issues.



Built-in Transport Handle and Wheels

Feature: Telescopic transport handle and large wheels built into the unit.

Benefit: Operators of the Windshear SD 3500 can easily move the unit from one location to another.

Three Speed Operation

Feature: Set to low, medium or high while in operation.

Benefit: This allows the operator to determine how much air-flow is needed to dry floors or for general air circulation. If quick drying times are required, simply set the Windshear SD 3500 on the highest setting to achieve a maximum CFM of 2,900.



Stackable

Feature: Stackable

Benefit: To save on storage space, multiple SD 3500 fans can be stacked leaving room for other important cleaning equipment or supplies.

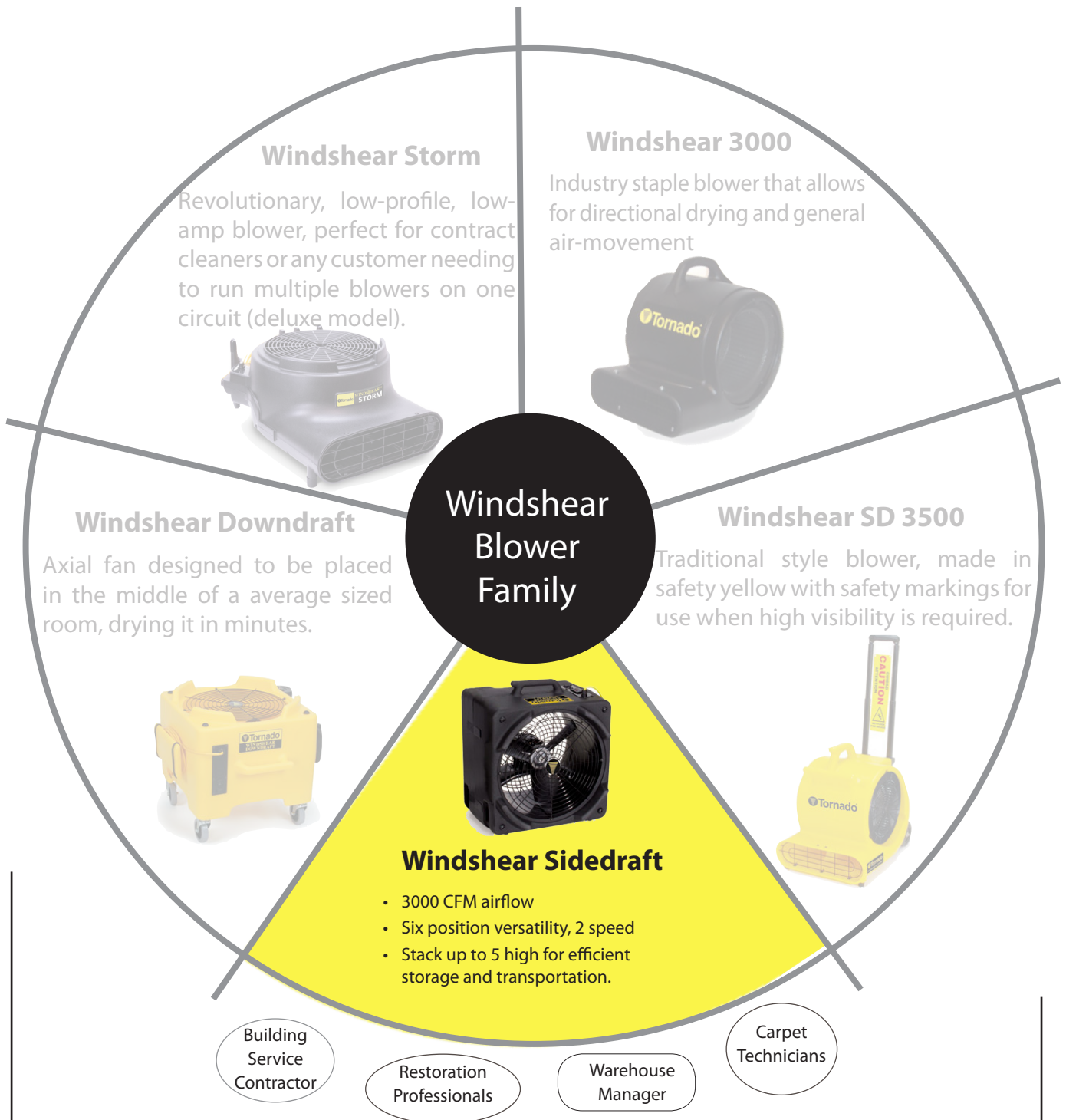
Key Buyers	
Building Service Contractor	✓
Warehouse Manager	✓
Carpet Technician	✓
Facility Engineer	✓
Housekeeping Manager	✓



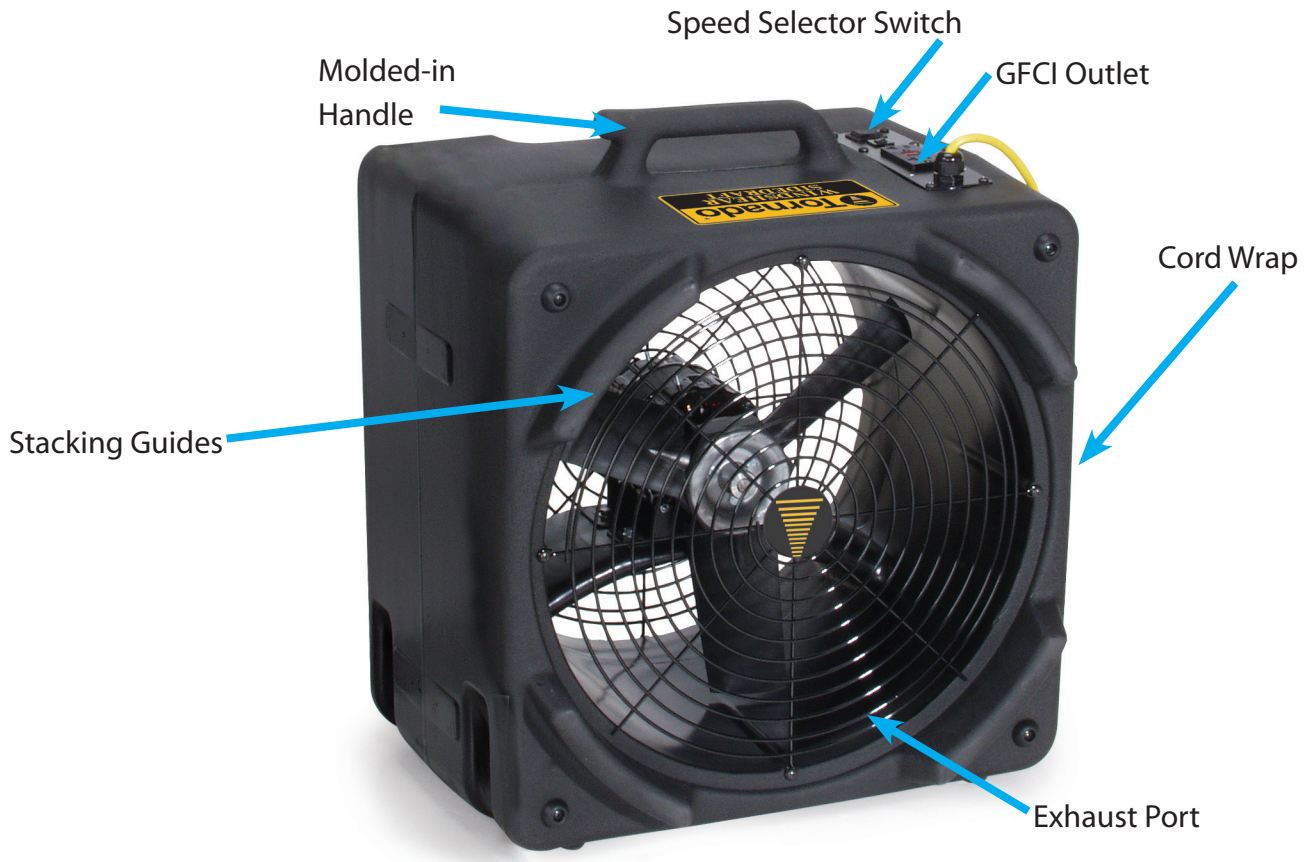
Narrative Bid Specifications

Specified Unit	Windshear SD 3500, Model: 98776
Summary	<p>The specified unit shall be a commercial-grade, single-motor blower/dryer. The unit shall be 23" x 18" x 22" and be equipped with 20' electrical chord.</p> <p>The warranty shall be as follows: One year parts / One year labor. Wear item and abuse and misuse not covered.</p>
Motors	The 4 amp blower 98776 shall be powered by a 115 V / 60 Hz, .5 W motor.
Cord	Electric cord shall be 20', 18 gauge, 3 wire.
Weight	The weight shall be 33 lbs.
Durability & Handle	The unit is made of molded, high-density, co-polymer polypropylene to withstand tough every day use.
Transport	Transport with molded, easy-carry, telescoping handle and wheels
Stackable	The unit shall be stackable for easy transport and storage.
Airflow Speed & Direction	Adjustable kickstand with three operating positions, 0 / 30 / 90 degrees, for drying or general air circulation. A three-speed switch permits airflow selection of 1,600, 2,000 and 2,500 CFM.

Windshear Family of Blowers



Overview Windshear Sidedraft



Key Features Windshear Sidedraft

High Levels of Air Flow

Feature: Maximum of 3,000 CFM.

Benefit: The Windshear Sidedraft is perfect for quickly drying both carpeting and hard floor surfaces. Place multiple Sidedrafts into a single room and dramatically decrease drying times when quick turnarounds are required.



Variable Angle Operation

Feature: Multi-angle Operation

Benefit: The Sidedraft can be operated in multiple angles allowing it to dry floor surfaces or be used for general air circulation in warehouses or other larger spaces.

Stackable

Feature: Stackable (optional wheel kit shown)

Benefit: To save on storage space, you can stack multiple Sidedrafts, leaving room for other important cleaning equipment or supplies.



Built-in GFCI Outlet

Feature: GFCI outlet built into the unit.

Benefit: Allows the operator to plug in multiple Sidedrafts into outlets with the proper amp capacity. The increased airflow allows for faster dry times and improved circulation.

Key Buyers

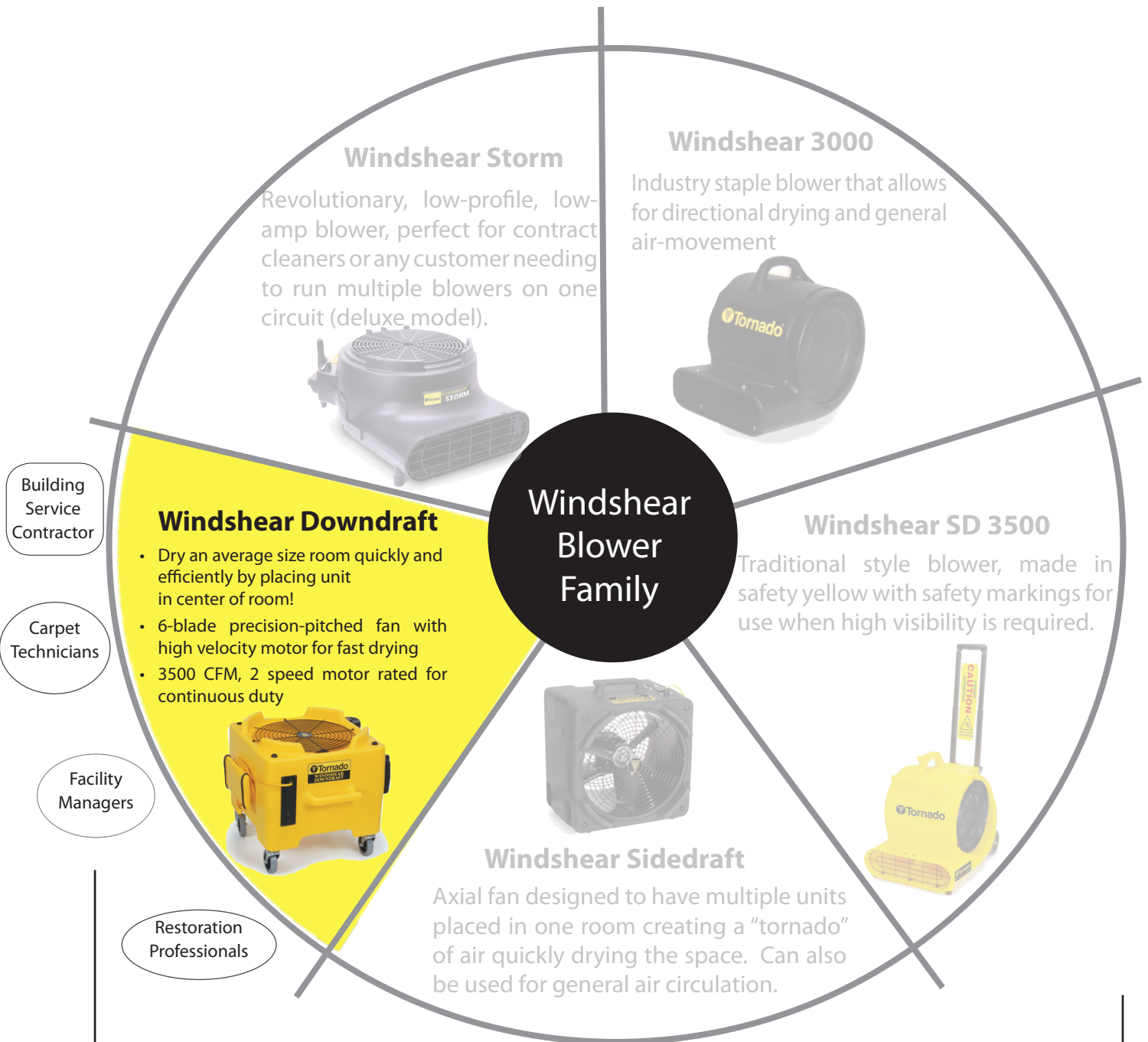
Building Service Contractor	✓
Warehouse Manager	✓
Carpet Technician	✓
Facility Engineer	✓
Housekeeping Manager	✓



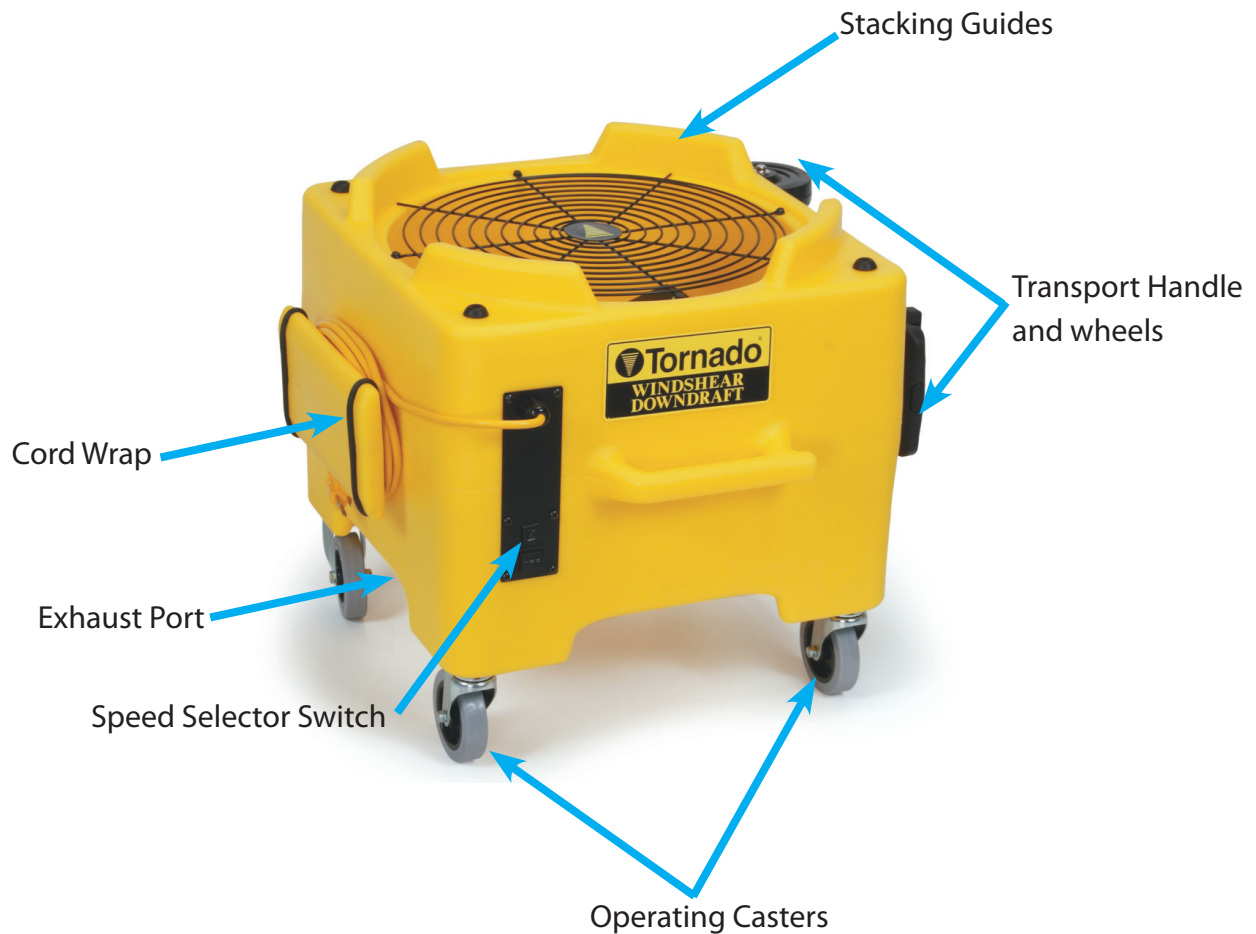
Narrative Bid Specifications

Specified Unit	Windshear Sidedraft, Model: 98782
Summary	<p>The specified unit shall be a commercial-grade, single-motor blower/dryer. The unit shall be 24" x 24" x 21" and be equipped with 20' electrical chord.</p> <p>The warranty shall be as follows: One year parts / One year labor. Wear item and abuse and misuse not covered.</p>
Motors	The blower 98782 shall be powered by a 115 V / 60 Hz, .25 W motor.
Cord	Electric cord shall be 20', 18 gauge, 3 wire.
Weight	The weight is 37 lbs.
Daisy Chain Capable	Daisy chain up to 5 together with built-in GFCI outlet.
Durability & Handle	The unit is made of molded, high-density, co-polymer polypropylene to withstand tough every day use. Transport with molded, easy-carry handle.
Stackable	Stack up to 5 high for efficient storage and transport.
Airflow Speed & Direction	Six position versatility, including tilt back, upright, tilt forward and face down, for drying or general air circulation. A two-speed switch permits airflow up to 3,000 CFM.

Windshear Family of Blowers



Overview Windshear Downdraft



Key Features Windshear Downdraft

6-Blade Precision Pitched Fan

Feature: 6-Blade precision pitched fan

Benefit: The Windshear Downdraft pulls warm air down and forces it out in 360 degrees. This will dry an average-sized room without the need to relocate the blower or fan.



Variable Angle Operation

Feature: Multi-angle Operation

Benefit: The Downdraft can be operated in multiple angles allowing it to dry floor surfaces or be used for general air circulation in warehouses or other larger spaces.

Built In Transport Handle and Wheels

Feature: Transport handle and wheels

Benefit: With a telescoping transport handle and large wheels built into the unit, operators of the Windshear Downdraft can easily move the unit from one location to another.



Cord Wrap

Feature: Integrated cord wrap

Benefit: The integrated cord wrap eliminates the virtually eliminates the problems with cord management when storing the unit.

Key Buyers

Building Service Contractor	✓
Warehouse Manager	✓
Carpet Technician	✓
Facility Engineer	✓
Housekeeping Manager	✓

Narrative Bid Specifications

Specified Unit	Windshear Downdraft, Model: 98784
Summary	<p>The specified unit shall be a commercial-grade, single-motor blower/dryer rated for continuous duty. The unit shall be 22" x 18" x 23" and be equipped with 20' electrical chord.</p> <p>The warranty shall be as follows: One year parts / One year labor. Wear item and abuse and misuse not covered.</p>
Motors	Blower 98784 shall be powered by a 115 V / 60 Hz, .25 W motor.
Cord	Electric cord shall be 20', 18 gauge, 3 wire.
Weight	The weight will be 52 lbs.
Durability & Handle	The unit is made of molded, high-density, co-polymer polypropylene to withstand tough every day use.
Transport	Telescopic transport handle and built-in wheels for easy transportation come standard with this unit.
Stackable	Stackable up to 4 high for easy transport and space-efficient storage.
Downdraft Airflow	The unit shall be able to draw air from above and pull it down to the ground.
Airflow Speed & Direction	<p>The 6-blade precision pitched fan will have 360-degree directed airflow for drying or general air circulation.</p> <p>A two-speed switch permits airflow selection of 2,500 and 3,500 CFM.</p>

Notes

Green Cleaning



Tornado Industries, Inc. is committed to creating a clean, safe and healthy workplace environment through the use of innovative cleaning technology developed to minimize the impact of cleaning on indoor and outdoor environments. At Tornado, we care deeply about our planet and realize the cleaning industry is in a position to make positive and profound contributions to the environment, ensuring that our children and our children's children inherit a sustainable and healthy planet. That's why we carefully design our machines to deliver not only the latest innovations, but also green features to enhance indoor air quality (IAQ), use less water and chemicals, create less noise and produce less moisture. Tornado embraces the following ecological and corporate values through green and healthy practices:

1. Water conservation: Our products, such as our carpet extractors, deliver adjustable solution control for safe, healthy and fast-drying floors that eliminate mold and mildew. Our cylindrical brush floor machines use 30% less water. The design of cylindrical brush machines minimizes splashing and over spray by containing water within the machine housing. Cylindrical brush machines have six times the contact pressure of a conventional rotary brush machine, which not only helps reduce water usage, but also improves worker productivity and reduces labor costs.

2. Less chemicals: Due to recent green legislation and the development of new cleaning standards, all of our cylindrical brush machines and carpet extractors are designed to use less chemicals as well as provide increased rotations per minute (RPMs). The adjustable head pressure helps to minimize the need for powerful and potentially harmful chemicals. Our carpet extractors have enhanced vacuum systems that limit the possibility of mold and mildew from developing and speed carpet-drying time. The result? Areas cleaned are ready for use faster and are safer for building occupants.

3. IAQ Enhancement: Vacuum cleaners including uprights, backpacks and canisters can release dust and debris into the air if they are not designed with advanced infiltration systems. That's why Tornado has developed a comprehensive product family of high-filtration vacuums with HEPA filtration to help minimize dust and exhaust from escaping the vacuum. All of our carpet care cleaning equipment has been Carpet & Rug Institute (CRI) and Tandus Industries tested and approved for green cleaning. What's more, many of our UHS Ultra High Speed machines have passive vacuum systems to trap contaminants before they become airborne.

4. Reusable and Recyclable: Our machines are designed with durable polypropylene tanks, housings and other components that are recyclable after the machine is no longer in use. All Tornado machines proudly display the recyclable logo. Our long lasting, deep cycle, rechargeable batteries increase run time and minimize down time and time spent on battery maintenance. Our cylindrical brush technology creates less environmental waste by utilizing one cylindrical pad to every 100 rotary brush pads, increases the productivity of your maintenance staff with less time spent on pad maintenance and replacement.

5. U.S. Green Building Council Member: We support standards and the criteria established by certification bodies such as the U.S. Green Building Council, The Carpet and Rug Institute's (CRI) Green Label Certification program, the Green Seal GS-37 standards, and more.



Edition 1: 2/21/2014

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