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Equipment & Supplies

**Tornado®**

**630-247-0801**

SMALL AND MEDIUM WALK-BEHINDS

PRODUCT SPECIFICATIONS					
	SMALL WALK-BEHIND SCRUBBERS		MEDIUM WALK-BEHIND SCRUBBERS		
MODEL	BR 18/11	BD 18/11	BD 22/14	BR 22/14	BD 26/14
CATALOG NUMBER	99685	99680	99690	99695	99720
MACHINE DIMENSIONS					
L X W X H	43" X 21" X 41"	43" X 21" X 41"	50" X 24" X 42"	50" X 24" X 42"	53" X 28" X 42"
NET WEIGHT	157 lbs.	157 lbs.	223 lbs.	223 lbs.	244 lbs.
SOLUTION / RECOVERY TANK	11 gal. / 12 gal.	11 gal. / 12 gal.	14 / 15 gal.	14 / 15 gal.	14 / 15 gal.
SQUEEGEE WIDTH	31"	31"	33"	33"	33"
DESIGN CHARACTERISTICS					
TANK CONSTRUCTION	Polyethylene	Polyethylene	Polyethylene	Polyethylene	Polyethylene
CLEANING SYSTEM					
BRUSH TYPE	Cylindrical	Disk	Disk	Cylindrical	Disk
BRUSH WIDTH	18"	18"	22"	22"	26"
BRUSH RPM	1300	350	370	1300	345
BRUSH PRESSURE	50 lbs.	50 lbs.	79 lbs.	79 lbs.	110 lbs. max.
CLEANING PATH	18"	18"	22"	22"	26"
PRODUCTIVITY					
CLEANING RATE (SQ. FT PER HOUR)	5,000	5,000	9,740	9,740	9,740
MOTORS					
VACUUM MOTOR	.6 hp	.6 hp	.6 hp	.6 hp	.8 hp
BRUSH MOTOR	.6 hp	.6 hp	.6 hp	.6 hp	1.0 hp
SOUND LEVEL	66 dB	66 dB	67 dB	67 dB	67 dB
BATTERY					
VOLTAGE	24	24	24	24	24



BR 18/11

RIDE-ON SCRUBBERS

PRODUCT SPECIFICATIONS				
	RIDE-ON SCRUBBERS			
MODEL	BR 28/30	BD 26/30	BD 33/30	BR 33/30
CATALOG NUMBER	99765	99760	99780	99785
MACHINE DIMENSIONS				
L X W X H	65" X 28" X 67"	65" X 28" X 67"	65" X 35" X 67"	65" X 36" X 51"
NET WEIGHT	679 lbs.	679 lbs.	690 lbs.	739 lbs.
SOLUTION / RECOVERY TANK	30 / 32 gal.	30 / 32 gal.	30 / 32 gal.	30 / 32 gal.
SQUEEGEE WIDTH	39"	39"	45"	45"
DESIGN CHARACTERISTICS				
TANK CONSTRUCTION	Polyethylene	Polyethylene	Polyethylene	Polyethylene
CLEANING SYSTEM				
BRUSH TYPE	Cylindrical	Disk	Disk	Cylindrical
BRUSH WIDTH	28"	26"	33"	33"
BRUSH RPM	1300	170	162	785
BRUSH PRESSURE	176 lbs. (max)	176 lbs. (max)	187 lbs. (max)	176 lbs. (max)
CLEANING PATH	28"	26"	33"	33"
PRODUCTIVITY				
CLEANING RATE (SQ. FT PER HOUR)	12,526	11,132	14,851	14,851
MOTORS				
VACUUM MOTOR	.7 hp	.7 hp	.7 hp	.8 hp
BRUSH MOTOR	1.2 hp	1.2 hp	1.5 hp	.9 hp
SOUND LEVEL	70 dB	70 dB	70 dB	70 dB
BATTERY				
VOLTAGE	36	36	36	36



BD 26/14



BR 28/30



A better way to clean.

NEW—ISSA 2007

# Tornado® BR and BD Family of Automatic Scrubbers For Hard Floor Care



## World Class Scrubbers

Delivering Superior Productivity,  
Durability and Increased Health and Safety



# Tornado® BR and BD Family of Automatic Scrubbers

## World Class Scrubbers Delivering Leading Edge Innovation, Durability, and Versatility

### The New Standard of Scrubbing

Designed from the ground up with our customer's needs in mind, the new BR and BD scrubber family from Tornado® range in size from 18" to 33" models, and are offered in your choice of disc or cylindrical brush for hard floor scrubbing. These new units offer features, benefits, and a sleek new look that outmatches the competition.

Designed to meet rigorous global user standards for durability and productivity, these world-class machines have also been designed for environmental sustainability. Tornado's cylindrical brush machines conserve natural resources such as water, solution and source materials. All of these sleek new units feature an extremely durable, no-hassle parabolic squeegee system that delivers complete solution recovery, even on 180 degree turns. This results in enhanced cleaning performance, drier floors, and increased building safety.

### Ergonomic, Whisper-Quiet Operation

A tremendous amount of time and effort went into design of the patented soundproof vacuum housing allowing these scrubbers to run at a whisper quite 67 dB. Tornado's new scrubbers not only excel at maintaining floors, but they maintain the comfort of the operator. The ergonomic handle and simple control lever makes operating and maneuvering this machine a breeze.

### Tough, Long-lasting Scrubbers

Rigorously tested in the field, the BR and BD family of walk-behind and ride-on scrubbers are constructed with a tough rotomold polyethylene body, ensuring years of maximum performance and reliability. Service down-time is significantly reduced with its wide-open

design for fast and easy access to tanks, batteries and motor. When it comes to machine longevity, Tornado's BR and BD family of scrubbers will outlast the competition. What's more, these units come standard with a lifetime warranty for years of hassle-free use and reliability.

### Innovative Electrical Control System

For effortless operation, Tornado's ride-on BR 28/30, BD 26/30 and BR/BD 33/30 units offer an automatic mode which will start all necessary operations of the scrubber once it is turned on. This system also gradually starts all of the motors and constantly controls the operation parameters to guarantee longer run-time and reliability. When in reverse, this machine also includes an automatic squeegee retraction feature.

### Sustainability with Cylindrical Brush

The environmentally preferred BR units offer the latest modern enhancement—cylindrical brush technology. The use of cylindrical brush technology delivers low moisture cleaning design and deep scrubbing through concentrated brush speeds of 1300 RPM—over six times higher than the speed of comparable rotary brush automatic scrubbers. Cylindrical brushes provide 4-6 times more contact pressure than rotary brush scrubbing, handling any flat floor surface with ease, as well as structured surfaces such as quarry tile, paver bricks, and raised rubber disc flooring. Source reduction and environmental waste are minimized as cylindrical brushes far outlast rotary pads, using on average, one set of brushes for every 100 floor pads. This also means increased worker productivity, safety, cleaning speed, and significantly less time spent on pad replacement and maintenance.



#### Features and Benefits of the BR and BD 18/11

- Small walk-behind scrubber perfect for smaller areas such as commercial buildings, hotels, schools, restaurants, retail shops and hospitals
- 18" cleaning path
- 11 gallon solution tank
- Simple operator interface
- Exceptionally durable rotomolded polyethylene construction
- Low-profile sight line
- Whisper Quiet 67 dB
- Heavy-duty, four-sided, parabolic squeegee
- Ergonomic handle design
- Stainless steel battery tray
- Manual adjustment of brush pressure



#### Features and Benefits of the BR/BD 22/14 and BD 26/14

- Medium walk-behind unit suited for schools, hotels, retail shops, restaurants, and hospitals
- BD unit comes in 22" and 26" models
- BR unit has a 22" cleaning path
- 14 gallon solution tank
- Simple operator interface
- Whisper Quiet 67 dB
- Heavy-duty, four-sided, parabolic squeegee
- Ergonomic handle design
- Exceptionally durable rotomolded polyethylene construction
- Stainless steel battery tray
- Manual adjustment of brush pressure



#### Features and Benefits of the BR 28/30, BD 26/30 and BR/BD 33/30

- Ride-on scrubber ideal for large areas such as supermarkets, manufacturing plants, airports and exhibit halls.
- BR unit has a 28" cleaning path
- BR units come standard with a stainless steel pre-sweep function
- BD unit has a 26" and 33" cleaning path
- 30 gallon solution tank
- Automatic operation control mode and squeegee retraction when in reverse
- Steering radius of only 6 feet for maneuvering tight corners
- Simple operator interface
- Exceptionally durable rotomolded polyethylene construction
- Ergonomic design
- 3 settings for brush pressure

## Key Features

- Simple Operator Interface**  
 Easy-to-understand user interface dramatically reduces time and resources spent on training.
- Heavy Duty Squeegee**  
 Super-durable squeegee assembly with a quick-change feature. Squeegee is designed to endure even the harshest of cleaning environments.
- Solution Control**  
 Electronic solenoid avoids accidental solution flow.
- Complete View**  
 Low profile sight line of machine improves operator's view of cleaning space.
- Easy Access**  
 Easy access and removal of vacuum motor for simplified maintenance and increased machine up-time.
- Four Point Machine Stance**  
 Two front and rear wheels deliver extra stability and balance.
- Safety Feature**  
 To ensure safety, when parking brake is engaged, the machine and brushes cease to run.



### Parabolic Squeegee

Heavy duty assembly featuring a four-sided rear blade with quick release lever to facilitate squeegee changes in 10 seconds or less! This ensures a lower cost of ownership.



### Easy to Clean

Quick release recovery tank lid for easy tank rinsing and filling.



### Vacuum Motor Protection

Automatic recovery tank float shut off device to avoid foam and water from damaging vacuum motors.



### Easy Maintenance

A sturdy hood strut keeps lid open during maintenance, allowing easy access to batteries, vacuum motors and hoses.



### Quick Brush Change

Deck shroud peels back allowing easy access to change brushes.



### Manual Levers for Greater Reliability

Our walk-behind models feature long lasting, all-manual levers that raise and lower decks.

## Designed to meet worldwide user standards

BROAD RANGE FLOOR CARE APPLICATIONS									
BRUSH OR PAD TYPE	DAILY CLEANING	DEEP SCRUB	STRIPPING	SPORTS FLOOR	TEXTURED	EPOXY/RUBBER	WOOD FLOORS	GROUT CLEANING	CONCRETE
WHITE (SOFT SCRUB)	X						X		
RED (MEDIUM SCRUB)		X		X		X			
GREEN GRIT (HEAVY GRIT SCRUB BRUSH)		X	X	X		X			X
ORANGE GRIT (HI-LOW GROUT CLEANING)				X	X			X	



### Complete Handle Design

Ergonomic handle and easy-to-read control panel, displaying battery run time and charge indicator.



### Cylindrical Brushes

The BR units come standard with white brushes for daily cleaning operations. A variety of brushes are available for high performance on structured flooring.



### Disc Brushes

The BD machines can be fitted with a variety of optional scrub brushes - a time-proven solution for smooth floors.



### Disc Pads

The BD units come standard with pad holders. When used with the appropriate pad, this is the ideal solution to daily maintenance cleaning.