



ELECTRIC PANTOGRAPH REACH TRUCK

3,500-4,000 LB. CAPACITY: BR18SP-7 PLUS | BR20SP-7 PLUS



LEADING THE WAY IN SAFETY AND VALUE

The Bobcat BRSP Electric Pantograph Reach Trucks help you maximize your warehouse space. This narrow aisle specialist is a must-have for busy warehouse applications.



■ The 7-Series Pantograph Reach Trucks combine performance and durability, ensuring maximum productivity and uptime.

RELIABLE. REDUCED DOWNTIME.

Bobcat's BRSP 7-Series Electric Pantograph Reach Trucks provide efficient performance speeds and dependability, minimizing downtime.

Features Include:

- Quiet, Powerful AC Motors
- Height Indicator with Multiple Height Pre-sets
- Multifunction Joystick Control w/ Ergonomic Buttons
- Robust Frame w/ Bolt-On Load Wheel Boxes
- Heavy-Duty Wheel Bearings (Casters and Load Wheels)
- Advanced Digital Display
- Responsive, Rugged Foot Pedal Switch
- Smooth Transitioning Mast Lifting/Lowering
- Precise Lifting Control
- Bright LED Lighting
- Powerful Operator Fan
- Bobcat Guardian Stability System (GSS)
- Bobcat Operator Sensing System (OSS)
- Blue Safety Lights

ADDED SAFETY

• AUTO CENTERING DRIVE TIRE

At start up, and during extended downtime, the drive tire will automatically center in the forward direction to prevent accidental movement in the wrong direction and/or cause potential damage or injury.

• CUSHIONED MAST REACH CYLINDERS

The Bobcat manufactured mast and pantograph feature built-in hydraulic load cushioning to make load handling steady and safe.

• GSS (GUARDIAN STABILITY SYSTEM)

- Decreased travel speed (up to 50%) when the mast is raised above the primary stage.
- Alarm sounds when the mast is raised above the primary stage.
- Automatic turn deceleration provides an extra margin of safety by slowing travel while turning.
- Auto-tilt function automatically takes carriage back to zero point for added safety.

ALL AC TECHNOLOGY

- Fully adjustable, easy to diagnose Curtis AC Controls provide an unbeatable combination of power, performance and functionality.
- The AC drive, steer and pump motors deliver smooth movement and lower energy consumption. AC motors result in fewer intervals due to not having connectors, motor brushes, or commutators to replace.



BOBCAT REACH TRUCK

STREAMLINE YOUR WAREHOUSE SPACE

Bobcat's 7-Series Reach Truck combines performance, dependability and convenience with the highest level of safety features, making your warehouse logistics more productive and efficient.



REAR OVERHEAD GUARD POST

- Provides Greater Operator Protection
- Accessory Bar
- Assists Easy Entry

STEER WHEEL

- Comfortable Soft Grip Knob
- Electric Power Steering
- Ergonomic Positioning



ELECTRONIC DISPLAY

- Adjustable Performance Modes and Diagnostics

FORK CAMERA

- Provides an easy view of the fork position, especially for those high-storage applications



INTUITIVE CONTROL HANDLE

- Lift/Lower
- Side Shift Left/Right
- Tilt Forward/Backward
- Reach In/Out
- Horn Button
- Push/Pull Joystick: Vehicle Forward/Backward

SWITCH PANEL

- Headlight
- Rear Facing Work Light
- Operator Cooling Fan

EMERGENCY STOP SWITCH

- Easy, Quick Access

ADJUSTABLE ARM REST

- 5 Height Adjustments
- Thick, Comfortable Padding

AUXILIARY POWER OUTLET

- USB Type (5V)
- Aux. Power Outlet (12V)





PADDED OPERATOR COMPARTMENT

- Knee Pad
- Back Rest
- Thigh Pad

DEEP FLOOR MAT

- Shock absorption over uneven surfaces
- Improves Operator Comfort
- Thickly Padded

LOW ENTRY STEP

- Makes Entering/Exiting Easier
- Less Operator Fatigue Over Time

EXCELLENT OPERATOR COMFORT

The operator compartment is filled with a variety of ergonomically designed features, allowing the operator to work efficiently with less fatigue.

- The side-stance orientation allows full visibility to the rear when traveling in reverse. The wide rear opening and the low step height make entering and exiting quick and effortless.
- The overhead guard mast support structure is angled to improve visibility.
- Smooth electronic power steering is precise and positioned for comfort and control.
- The auxiliary power outlets, work lights, dome light and optional fan package promote greater productivity. Other options include a pre-height selector for faster throughput and less damage.
- Built-in storage areas for a clipboard, beverage and smaller items, all within easy reach.
- Bobcat's instinctive multi-function control handle is ergonomically positioned to provide easy access to all controls. The ability to operate multiple functions simultaneously increases productivity.
- The digital display offers an array of important information, such as hours used, travel speed, selectable performance modes, diagnostics, steer wheel angle and battery state of charge.
- The padded operator's compartment includes a knee pad, back pad and a thigh pad for comfort. The adjustable armrest accommodates operators of various heights and allows the operator to vary driving positions for more comfort.

SERVICEABILITY

SIMPLIFIED

The swing out service door and easily-removable dash panel provides quick access to all major components for quick servicing and reduced down time.

LOWER MAINTENANCE COSTS

- AC motors require virtually no maintenance and the Curtis On-board Diagnostics (OBD) make troubleshooting quick and easy.
- The spring tension on the stabilizing caster can be easily adjusted for a smooth and stable ride.
- The rear door allows easy access to main components. It enables easier and quicker maintenance.

BOLT-ON LOAD WHEEL BOXES

Easily and quickly serviceable
(Toe guard optional)



Bolt-On Load Wheel Boxes



Toe Guard (Optional)

JUNCTION BOX

- Fuse Box
- Relay
- Back up buzzer



DURABILITY

ASSURED

Bobcat sources only the finest components in order to make this pantograph as tough as it is functional.



CURTIS AC CONTROLLERS

The Curtis AC controller is a high-quality power control unit for both the lift and pump motors. Curtis offers flexible customization options through adjustable program logic, robust safety features and advanced communication protocols via CAN bus.



WATER-TIGHT SILICONE SEALS FOR DURABILITY

Electrical connections are sealed with silicone to prevent water from penetrating and causing short circuits.



LOW MAINTENANCE, HEAVY-DUTY TRANS-AXLE

Manufactured to strict tolerances which helps reduce heat buildup and extend service life.



STELLANA DRIVE TIRE AND LOAD WHEELS

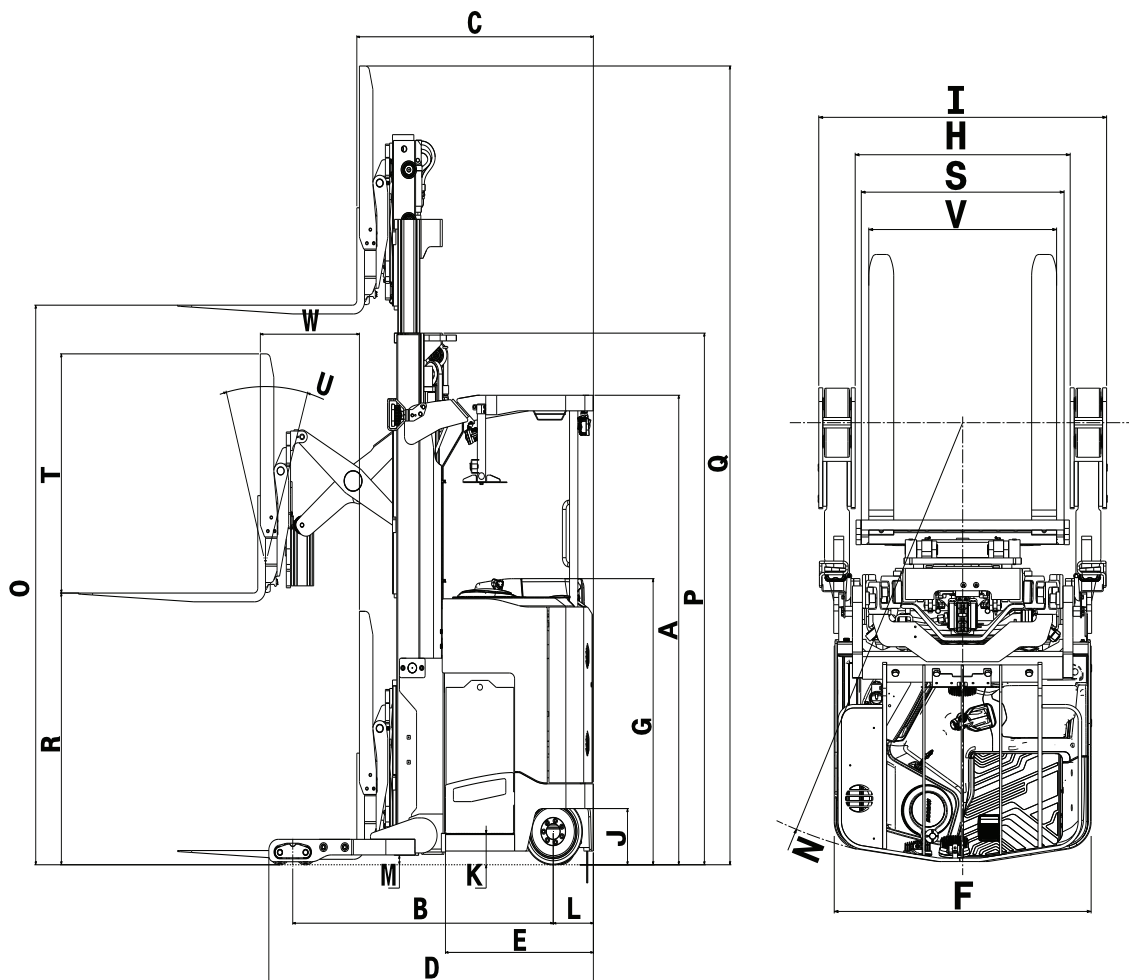
- Superior wear resistance compared to standard poly tires and wheels.
- Easier and more cost efficient to replace.

TECHNICAL DATA

		BR18SP-7 PLUS		BR20SP-7 PLUS		
GENERAL	Capacity	3,500 lb. (1,600 kg)		4,000 lb. (1,800 kg)		
	Battery Compartment	14.4 in.	16.4 in.	16.4 in.	20.9 in.	
	Load Center	24 in. (600 mm)				
	System Voltage	36 V				
	Operator Type	Rider Reach				
	Tire Type-Load/Caster/Drive	Poly/Poly/Poly				
	Wheel, Load/Caster (x = Drive)	4/2 (1x)				
WEIGHTS	Total Weight (34" Leg, FFT 240", w/ LBR, Fork)	7,255 lb. (3,291 kg)	7,592 lb. (3,444 kg)	7,592 lb. (3,444 kg)	8,283 lb. (3,757 kg)	
	Weight w/o battery at 240" MFH Mast (34" Leg)	5,655 lb. (2,565 kg)	5,692 lb. (2,582 kg)	5,692 lb. (2,582 kg)	5,783 lb. (2,623 kg)	
	With load, Front (With Min Batt at 240" Mast Reach in)	6,336 lb. (2,874 kg)	6,891 lb. (3,126 kg)	6,891 lb. (3,126 kg)	7,542 lb. (3,421 kg)	
	With load, Rear (With Min Batt at 240" Mast Reach in)	4,447 lb. (2,017 kg)	4,229 lb. (1,918 kg)	4,229 lb. (1,918 kg)	4,268 lb. (1,936 kg)	
	Without load, Front (With Min Batt at 240" Mast Reach in)	2,610 lb. (1,184 kg)	2,812 lb. (1,275 kg)	2,812 lb. (1,275 kg)	3,151 lb. (1,429 kg)	
	Without load, Rear (With Min Batt at 240" Mast Reach in)	4,645 lb. (2,107 kg)	4,781 lb. (2,169 kg)	4,781 lb. (2,169 kg)	5,132 lb. (2,328 kg)	
	14.4" Battery Min.	1,600 lb. (730 kg)				
	16.4" Battery Min.	1,900 lb. (860 kg)				
	18.4" Battery Min.	-				
20.9" Battery Min.	2,500 lb. (1,130 kg)					
CHASSIS	Guard Height (From Ground)	A	95 in. (2,410 mm) (*91" at 198" Mast)			
	Wheelbase	B	58 in. (1,475 mm)	60 in. (1,525 mm)	60 in. (1,525 mm)	64.5 in. (1,640 mm)
	Head Length (Length to Fork Face + Side Shift)	C	52.5 in. (1,335 mm)	54.5 in. (1,385 mm)	54.5 in. (1,385 mm)	59 in. (1,500 mm)
	Truck Length	D	72.8 in. (1,850 mm)	74.8 in. (1,900 mm)	74.8 in. (1,900 mm)	79.3 in. (2,015 mm)
	Power Unit Length	E	32.7 in. (830 mm)	34.7 in. (880 mm)	34.7 in. (880 mm)	39.2 in. (995 mm)
	Power Unit Width	F	40.5 in. (1,030 mm)			
	Power Unit Height	G	57.8 in. (1,468 mm)			
	Base Leg Opening (Inside)	H	34 in., 36 in., 38 in., 40 in., 42 in., 44 in.			
	Base Leg Width (Outside)	I	'Inside' Plus 11.4 in.			
	Base Leg Width		5.7 in. (146 mm)			
	Step Height	J	11.4 in. (290 mm)			
	Battery Roller Height	K	6.7 in. (170 mm)			
	Drive Axle Center to End of Back of Bumper	L	9.25 in. (235 mm)			
	Underclearance (Center of Wheelbase)	M	2 in. (50 mm)			
	Outside Turning Radius	N	67.4 in. (1,713 mm)	69.4 in. (1,763 mm)	69.4 in. (1,763 mm)	73.9 in. (1,878 mm)
	Right Angle Stack Aisle (48 x 40 in pallet)*		See the 'Right Angle Stack Aisle' sheet			
	Operator Compartment		-			
	Height		81.3 in. (2,065 mm)			
	Length		17.7 in. (450 mm)			
	Width		17.9 in. (454 mm)			
Track (Tread)/Rear		28.5 in. (725 mm)				
FRONT END	Maximum Fork Height	O	See the Mast Chart			
	Mast Lowered Height	P	See the Mast Chart			
	Mast Extended Height (With STD. LBR)	Q	See the Mast Chart			
	Free Lift (With STD. LBR)	R	See the Mast Chart			
	Carriage Width	S	See the Mast Chart			
	LBR Height	T	See the Mast Chart			
	Tilt Angle Forward/Backward	U	3° / 4°			
	Fork Size (T x W x L)		1.75 in. (45 mm) x 4 in. (100 mm) x 42 in. (1,050 mm)			
	Fork Adjustment (Min/Max)	V	9 in. (240 mm) / 29.5 in. (750 mm)			
Reach Stroke	W	22.8 in. (580 mm)				
BATTERY COMPARTMENT	Battery Size A – 14.4"		14.4 in. (366 mm) x 38.7 in. (985 mm) x 31.8 in. (810 mm)			
	Battery Size B – 16.4"		16.4 in. (416 mm) x 38.7 in. (985 mm) x 31.8 in. (810 mm)			
	Battery Size C – 18.4"		-			
	Battery Size D – 20.9"		20.9 in. (531 mm) x 38.7 in. (985 mm) x 32 in. (810 mm)			

DIMENSIONAL DRAWING

		BR18SP-7 PLUS	BR20SP-7 PLUS
REF. BATTERY SIZE	Battery Size A – 14.4"	13.37 in. (340 mm) x 38.33 in. (974 mm) x 30.56 in. (776 mm)	
	Battery Size B – 16.4"	15.62 in. (397 mm) x 38.33 in. (974 mm) x 30.56 in. (776 mm)	
	Battery Size C – 18.4"	-	
	Battery Size D – 20.9"	20.21 in. (513 mm) x 38.33 in. (974 mm) x 30.56 in. (776 mm)	
TIRE SIZE	Tire Size – Drive (Dia. x Width)	13.5 in. x 5.5 in. (344 x 140 mm)	
	Tire Size – Caster (Dia. x Width)	7 in. x 2.44 in. (175 x 62 mm)	
	Tire Size – Load Wheels (Dia. x Width)	5 in. x 4 in. (125 x 100 mm)	
FRONT END	Travel Speed Tractor First (Empty/Rated Load)	7.5 mph (12 km/h)	
	Travel Speed Forks First (Empty/Rated Load)	7.5 mph (12 km/h)	
	Lift Speed Loaded	69 fpm (350 mm/s)	65 fpm (330 mm/s)
	Lift Speed Empty	120 fpm (600 mm/s)	
	Lower Speed Loaded	110 fpm (550 mm/s)	
	Lower Speed Empty	110 fpm (550 mm/s)	
	Reach Speed (in/out), Empty	Adjustable	
	Gradeability – Loaded – Maximum	10%	
	Gradeability – Empty – Maximum	10%	



*Add 2" For Side Shift Equipped Truck

Note: Specification values quoted in this spec sheet have been rounded, exclude Load Backrest and other attachments. Performance may vary due to operating conditions. Products and specifications are subject to change without prior notice.



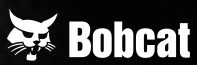


**YOU ARE
ONE
TOUGH
ANIMAL.**

Everything we put into Bobcat® equipment is designed to make more of whatever you bring to the job. Whether it's strength, versatility, speed or agility, it's built around you.



Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Where applicable, dimensions are in accordance with ISO standards. Specifications and design are subject to change without notice. Pictures of Bobcat units may show other than standard equipment. All dimensions are given for material handling equipment with standard tires. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Bobcat Company complies with the requirements of ISO9001 as registered with BSI.



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