



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
- Optional 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 Operator Sensing System (OSS)
- Amber Strobe Light

ADDED SAFETY

- **AUTO CENTERING DRIVE TIRE**

At start up, and during extended idle time, the drive tire will automatically center in the forward direction.

- **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)**

- Automatic turn deceleration slows travel while turning.
- Auto-tilt function automatically takes carriage back to zero point.

ALL AC TECHNOLOGY

- Fully adjustable, easy to diagnose Curtis AC Controllers provide an unbeatable combination of power, performance and functionality.
- The AC drive, steer and pump motors deliver smooth movement and lower energy consumption.



BOBCAT REACH TRUCK

STREAMLINE YOUR WAREHOUSE SPACE

Bobcat's 7-Series Reach Truck combines performance, dependability and convenience, making your warehouse logistics more productive and efficient.



REAR OVERHEAD GUARD POST

- Accessory Bar
- Assists Easy Entry



ELECTRONIC DISPLAY

- Adjustable Performance Modes and Diagnostics

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

ADJUSTABLE ARM REST

- 5 Height Adjustments
- Thick, Comfortable Padding

STEER WHEEL

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

FORK CAMERA (OPTIONAL)

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

EMERGENCY STOP SWITCH

- Easy, Quick Access

AUXILIARY POWER OUTLET

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





PADDED OPERATOR COMPARTMENT

- Knee Pad
- Back Rest
- Thigh Pad

ERGONOMIC 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 alarm



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.



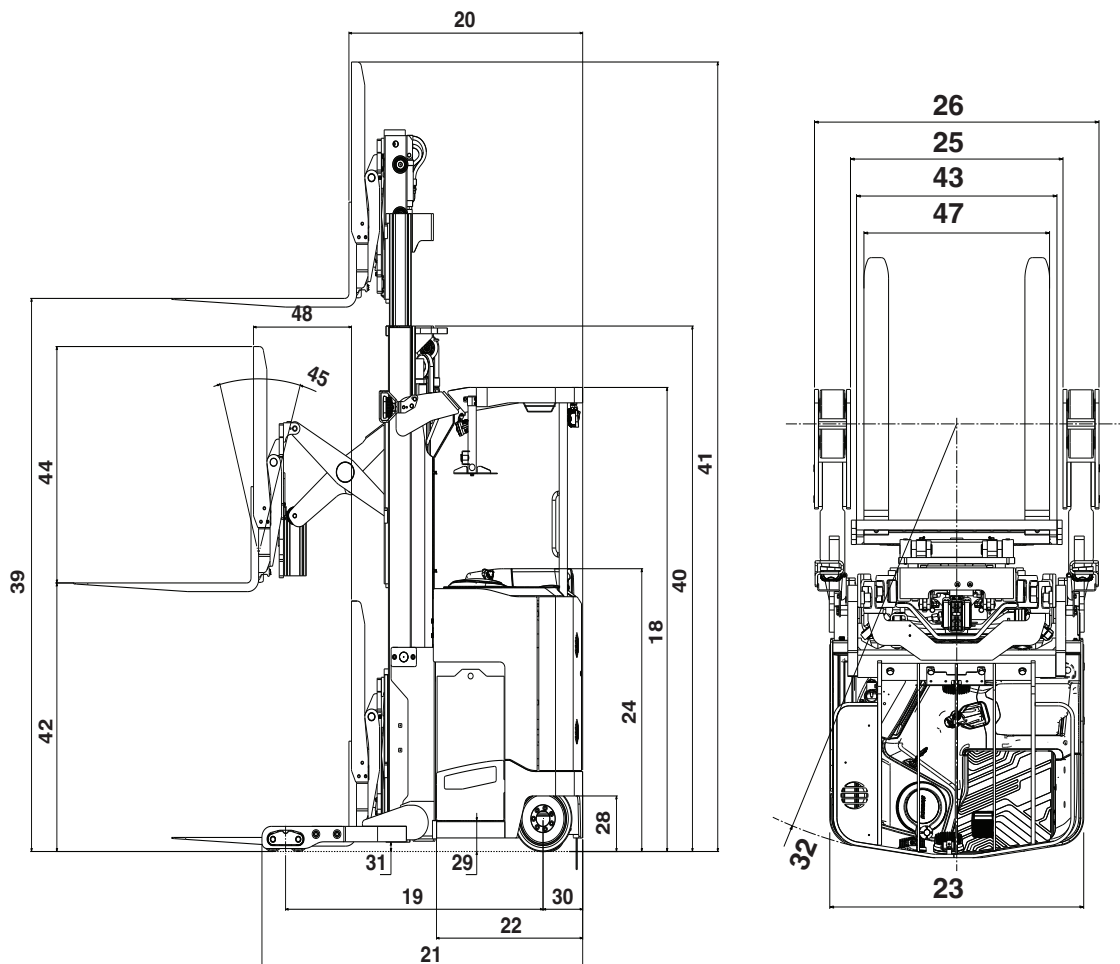
STELLANA DRIVE TIRE AND LOAD WHEELS

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

SPECIFICATIONS

MODEL		BR18SP-7 PLUS		BR20SP-7 PLUS	
CHARACTERISTICS	Capacity	1	3500 lb. (1600 kg)		4000 lb. (1800 kg)
	Battery Compartment	2	14.4 in. (366 mm)	16.4 in. (417 mm)	16.4 in. (417 mm) 20.9 in. (531 mm)
	Load Center	3	24.0 in. (600 mm)		24.0 in. (600 mm)
	System Voltage	4	36 V		36 V
	Operator Type	5	Rider Reach		Rider Reach
	Tire Type, Load/Caster/Drive	6	Poly/Poly/Poly		Poly/Poly/Poly
	Wheel, Load/Caster (x = Drive)	7	4/2 (1x)		4/2 (1x)
WEIGHTS	Total Weight (34" Leg, FFT 240", w/ LBR, Fork)	8	7255 lb. (3291 kg)	7592 lb. (3444 kg)	7592 lb. (3444 kg) 8283 lb. (3757 kg)
	Weight w/o Battery at 240" MFH Mast (34" Leg)	9	5655 lb. (2565 kg)	5692 lb. (2582 kg)	5692 lb. (2582 kg) 5783 lb. (2623 kg)
	Loaded, Front (With Min Batt at 240" Mast Reach)	10	6336 lb. (2874 kg)	6891 lb. (3126 kg)	6891 lb. (3126 kg) 7542 lb. (3421 kg)
	Loaded, Rear (With Min Batt at 240" Mast Reach)	11	4447 lb. (2017 kg)	4229 lb. (1918 kg)	4229 lb. (1918 kg) 4268 lb. (1936 kg)
	Unloaded, Front (With Min Batt at 240" Mast Reach)	12	2610 lb. (1184 kg)	2812 lb. (1275 kg)	2812 lb. (1275 kg) 3151 lb. (1429 kg)
	Unloaded, Rear (With Min Batt at 240" Mast Reach)	13	4645 lb. (2107 kg)	4781 lb. (2169 kg)	4781 lb. (2169 kg) 5132 lb. (2328 kg)
	14.4" Battery Min.	14	1600 lb. (730 kg)		1600 lb. (730 kg)
	16.4" Battery Min.	15	1900 lb. (860 kg)		1900 lb. (860 kg)
	18.4" Battery Min.	16	—		—
	20.9" Battery Min.	17	2500 lb. (1130 kg)		2500 lb. (1130 kg)
CHASSIS	Guard Height (From Ground)	18	95.0 in. (2410 mm) (91 in. at 198 in. Mast)		95.0 in. (2410 mm) (91 in. at 198 in. Mast)
	Wheelbase	19	58.0 in. (1475 mm)	60.0 in. (1525 mm)	60.0 in. (1525 mm) 64.5 in. (1640 mm)
	Head Length (Length to Forkface + Side Shift)	20	52.5 in. (1335 mm)	54.5 in. (1385 mm)	54.5 in. (1385 mm) 59.0 in. (1500 mm)
	Truck Length	21	72.8 in. (1850 mm)	74.8 in. (1900 mm)	74.8 in. (1900 mm) 79.3 in. (2015 mm)
	Power Unit Length	22	32.7 in. (830 mm)	34.7 in. (880 mm)	34.7 in. (880 mm) 39.2 in. (995 mm)
	Power Unit Width	23	40.5 in. (1030 mm)		40.5 in. (1030 mm)
	Power Unit Height	24	57.8 in. (1468 mm)		57.8 in. (1468 mm)
	Base Leg Opening (Inside)	25	34, 36, 38, 40, 42, 44 in. (864, 914, 965, 1016, 1067, 1118 mm)		34, 36, 38, 40, 42, 44 in. (864, 914, 965, 1016, 1067, 1118 mm)
	Base Leg Width (Outside)	26	"Inside" plus 11.4 in. (289 mm)		"Inside" plus 11.4 in. (289 mm)
	Base Leg Width	27	5.7 in. (146 mm)		5.7 in. (146 mm)
	Step Height	28	11.4 in. (290 mm)		11.4 in. (290 mm)
	Battery Roller Height	29	6.7 in. (170 mm)		6.7 in. (170 mm)
	Drive Axle Center to End of Back of Bumper	30	9.2 in. (235 mm)		9.2 in. (235 mm)
	Underclearance (Center of Wheelbase)	31	2.0 in. (50 mm)		2.0 in. (50 mm)
	Outside Turning Radius	32	67.4 in. (1713 mm)	69.4 in. (1763 mm)	69.4 in. (1763 mm) 73.9 in. (1878 mm)
	Right Angle Stack Aisle (48 x 40 in. pallet)*	33	See the Right Angle Stack Aisle Chart		See the Right Angle Stack Aisle Chart
	Operator Compartment	34	—		—
	Height	35	81.3 in. (2065 mm)		81.3 in. (2065 mm)
	Length	36	17.7 in. (450 mm)		17.7 in. (450 mm)
	Width	37	17.9 in. (454 mm)		17.9 in. (454 mm)
	Track (Tread)/Rear	38	28.5 in. (725 mm)		28.5 in. (725 mm)
FRONT END	Maximum Fork Height	39	See the Mast Specifications Chart		See the Mast Specifications Chart
	Mast Lowered Height	40	See the Mast Specifications Chart		See the Mast Specifications Chart
	Mast Extended Height (With STD. LBR)	41	See the Mast Specifications Chart		See the Mast Specifications Chart
	Free Lift (With STD. LBR)	42	See the Mast Specifications Chart		See the Mast Specifications Chart
	Carriage Width	43	See the Mast Specifications Chart		See the Mast Specifications Chart
	LBR Height	44	See the Mast Specifications Chart		See the Mast Specifications Chart
	Tilt Angle Forward/Backward	45	3°/4°		3°/4°
	Fork Size (T x W x L)	46	1.75 x 4.0 x 42.0 in. (45 x 100 x 1050 mm)		1.75 x 4.0 x 42.0 in. (45 x 100 x 1050 mm)
	Fork Adjustment (Min./Max.)	47	9.0 in. (240 mm)/29.5 in. (750 mm)		9.0 in. (240 mm)/29.5 in. (750 mm)
	Reach Stroke	48	22.8 in. (580 mm)		22.8 in. (580 mm)
BATTERY COMPARTMENT	Battery Size A – 14.4	49	14.4 x 38.7 x 31.8 in. (366 x 985 x 810 mm)		14.4 x 38.7 x 31.8 in. (366 x 985 x 810 mm)
	Battery Size B – 16.4	50	16.4 x 38.7 x 31.8 in. (416 x 985 x 810 mm)		16.4 x 38.7 x 31.8 in. (416 x 985 x 810 mm)
	Battery Size C – 18.4	51	—		—
	Battery Size D – 20.9	52	20.9 x 38.7 x 32.0 in. (531 x 985 x 810 mm)		20.9 x 38.7 x 32.0 in. (531 x 985 x 810 mm)

MODEL		BR18SP-7 PLUS	BR20SP-7 PLUS
REF. BATTERY SIZE	Battery Size A – 14.4	53 13.3 x 38.3 x 30.5 in. (340 x 974 x 776 mm)	14.4 x 38.7 x 31.8 in. (366 x 985 x 810 mm)
	Battery Size B – 16.4	54 15.6 x 38.3 x 30.5 in. (397 x 974 x 776 mm)	16.4 x 38.7 x 31.8 in. (416 x 985 x 810 mm)
	Battery Size C – 18.4	55 –	–
	Battery Size D – 20.9	56 20.2 x 38.3 x 30.5 in. (513 x 974 x 776 mm)	20.9 x 38.7 x 32.0 in. (531 x 985 x 810 mm)
TIRES	Tire Size – Drive (Dia. x Width)	57 13.5 x 5.5 in. (344 x 140 mm)	13.5 x 5.5 in. (344 x 140 mm)
	Tire Size – Caster (Dia. x Width)	58 7.0 x 2.44 in. (175 x 62 mm)	7.0 x 2.44 in. (175 x 62 mm)
	Tire Size – Load Wheels (Dia. x Width)	59 5.0 x 4.0 in. (125 x 100 mm)	5.0 x 4.0 in. (125 x 100 mm)
CHASSIS	Travel Speed Tractor First (Empty/Rated Load)	60 7.5 mph (12.0 km/hr.)	7.5 mph (12.0 km/hr.)
	Travel Speed Forks First (Empty/Rated Load)	61 7.5 mph (12.0 km/hr.)	7.5 mph (12.0 km/hr.)
	Lifting Speed, Loaded	62 69 fpm (350 mm/s)	65 fpm (330 mm/s)
	Lifting Speed, Unloaded	63 120 fpm (600 mm/s)	120 fpm (600 mm/s)
	Lowering Speed, Loaded	64 110 fpm (550 mm/s)	110 fpm (550 mm/s)
	Lowering Speed, Unloaded	65 110 fpm (550 mm/s)	110 fpm (550 mm/s)
	Reach Speed (In/Out), Unloaded	66 Adjustable	Adjustable
	Max. Gradeability, Loaded	67 10%	10%
	Max. Gradeability, Unloaded	68 10%	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.

MAST SPECIFICATIONS

BR18SP-7 PLUS

MAST TYPE	MAXIMUM FORK HEIGHT		OVERALL HEIGHT						FREE LIFT W/ STD. LBR		FORK T X W X L (STD.)		CARRIAGE WIDTH (STD.)		TILT RANGE	
			LOWERED		STD. LBR		EXTENDED W/ STD. LBR								FWD	BWD
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	deg.	deg.
FFT	198	5030	91.0	2310	48	1220	246.9	6270	42.1	1070	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	210	5330	95.0	2410	48	1220	258.7	6570	46.1	1170	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	240	6100	107.5	2725	48	1220	288.8	7335	58.4	1485	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	253	6430	111.5	2835	48	1220	301.8	7665	62.8	1595	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	258	6550	113.0	2875	48	1220	306.5	7785	64.3	1635	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	270	6890	117.5	2990	48	1220	319.9	8125	68.9	1750	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	289	7340	126.5	3215	48	1220	337.8	8580	77.7	1975	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4

BR20SP-7 PLUS

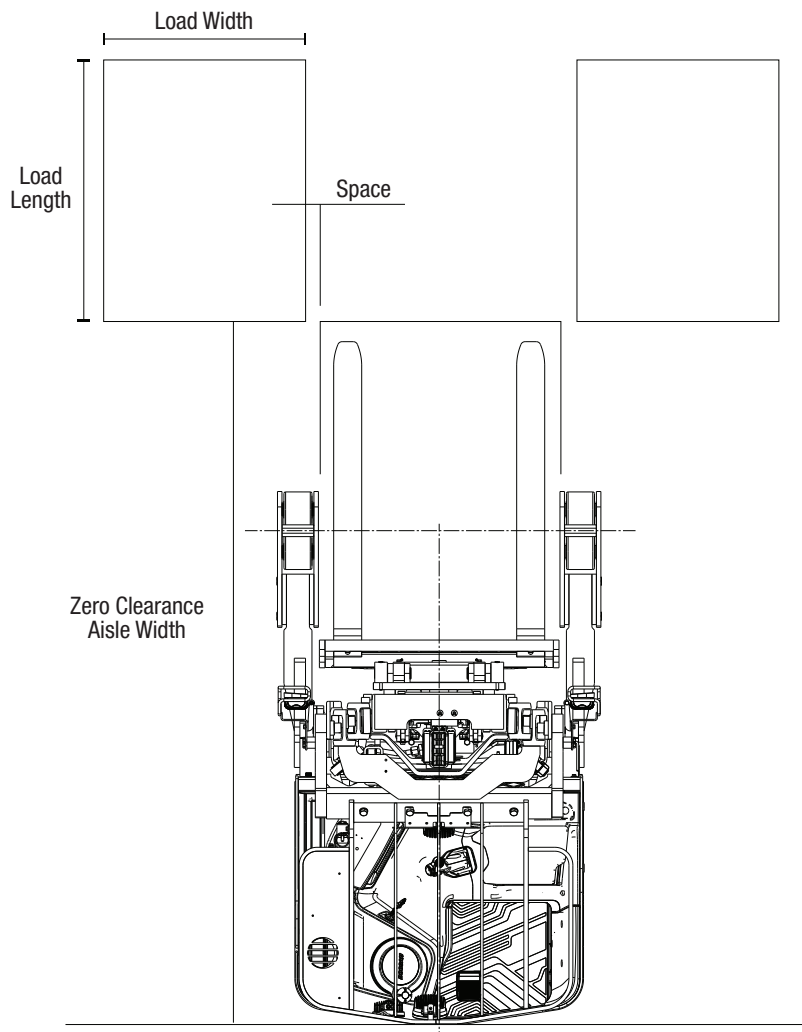
MAST TYPE	MAXIMUM FORK HEIGHT		OVERALL HEIGHT						FREE LIFT W/ STD. LBR		FORK T X W X L (STD.)		CARRIAGE WIDTH (STD.)		TILT RANGE	
			LOWERED		STD. LBR		EXTENDED W/ STD. LBR								FWD	BWD
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	deg.	deg.
FFT	198	5030	91.0	2310	48	1220	246.9	6270	42.1	1070	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	210	5330	95.0	2410	48	1220	258.7	6570	46.1	1170	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
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	270	6890	117.5	2990	48	1220	319.9	8125	68.9	1750	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	289	7340	126.5	3215	48	1220	337.8	8580	77.7	1975	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	300	7610	130.0	3305	48	1220	348.5	8850	81.3	2065	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	318	8075	139.5	3540	48	1220	367.0	9320	90.5	2300	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	332	8430	146.7	3725	48	1220	381	9675	98.0	2485	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4
	366	9300	158.1	4015	48	1220	415	10,545	109.0	2775	1.75 x 4 x 42	45 x 100 x 1050	32	813	3	4

RIGHT ANGLE STACK AISLE SPECIFICATIONS

TRUCK W/ 16.4" BATTERY & 42" ID & 4" SPACE

		PALLET WIDTH								
	in.	mm	36	914	40	1016	44	1118	48	1219
Pallet Length	36	914	86.5	2198	86.1	2187	85.6	2174	85.1	2162
	40	1016	91.3	2319	90.9	2310	90.6	2301	90.2	2291
	44	1118	95.8	2434	95.5	2426	95.2	2419	94.9	2411
	48	1219	100.2	2545	99.9	2538	99.7	2532	99.4	2525

- Aisle width values shown are based on a 16.4 in. battery compartment and a 42 in. base leg opening (inside).
- Subtract 2 in. (50 mm) for 14.4 in. battery compartment.
- Add 4.5 in. (115 mm) for 20.9 in. battery compartment.
- Add a minimum of 6 in. (150 mm) to 12 in. (305 mm) for easy maneuvering.





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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