



ELECTRIC FORKLIFTS

B16NT B18NT B20NT

A Bobcat B18 Li-Ion forklift operator is shown in profile, wearing a blue safety vest and operating the machine in a warehouse. The forklift is carrying a wooden pallet. The background features tall industrial shelving units filled with more pallets, creating a sense of depth and scale. The lighting is bright and even, highlighting the operator and the equipment.

Rooted in Reliability

Defined by Safety

The new BNT series embodies our unwavering commitment to safety and reliability. Powered by advanced LFP battery technology, it delivers consistent efficiency and lasting performance you can trust.

Experience a forklift designed to support your business with confidence.

PERFORMANCE

HIGH PERFORMANCE, PRECISE CONTROL

Powerful Driving Force, Agile Handling, and Adaptability to Various Work Environments

SAFETY

PEOPLE AND CARGO, KEEPING SAFE

Designed to Protect Operators with Various Active and Passive Safety System

VISIBILITY & CONVENIENCE

WIDE VISIBILITY, EASIER HANDLING

Wide Visibility and Operator-Focused Convenience Features

TECHNOLOGY

REDUCED DOWNTIME, LESS WORRY

Equipped with LFP Battery and Remote Vehicle Management System

SERVICEABILITY

RELIABLE MAINTAINABILITY FOR MAXIMIZING UPTIME

Convenient and Easy Maintenance

High Performance Precise Control

Stable Performance for Heavy Loads and Repetitive Tasks.

With precise maneuverability and powerful driving force, you can rely on its performance in any work environment.



Optimized power delivery, smooth handling, and stable operation in every task

Powerful AC* Control

The AC control system works in perfect harmony with the high-output electric motor, delivering strong performance even for demanding tasks. Energy consumption efficiency that translates into more run time per battery charge.

*AC: Alternating Current

Effortless Maneuverability in Tight Spaces

The compact 3-wheel design with a small turning radius allows for efficient operation even in tight spaces.

Stability Optimized

By applying the dual drive axle, the overall layout is optimized and center of gravity is lowered.

It enhances stability so that heavy cargo can be handled stably.



People and Cargo, Keeping Safe

An active safety system that reduces operator errors and prevents risks in advance, combined with reliable passive safety features.

Every design starts with a focus on 'safety' to protect both people and cargo in any environment.

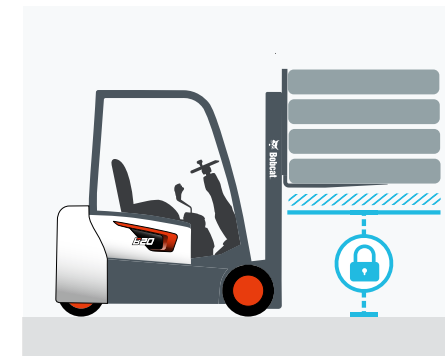
A Design Prioritizing Safety

Bobcat's proprietary Guardian Safety System (GSS) integrates multiple safety technologies to prevent operator errors and minimize the likelihood of accidents on-site. Designed with operator safety as its top priority, this system ensures reliable operation in any environment.



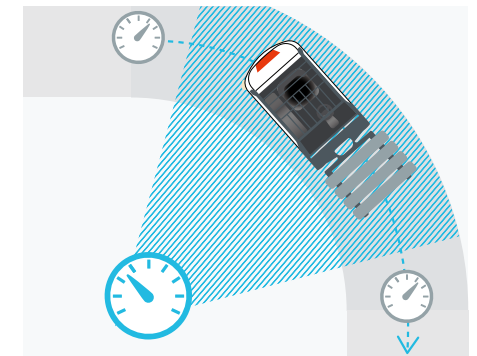
Anti Roll Back

The controller prevents the forklift from rolling back for 5 seconds when the truck is stopped on a slope.



ISO3691 Hyd. Locking Valve

If operator leaves or turns-off the truck, this system will automatically lock the hydraulic function, not allowing lifting, tilting, lowering.



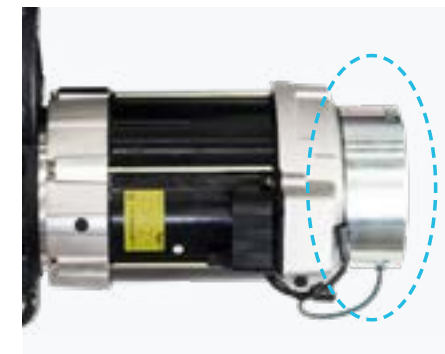
Automatic Speed Control

It automatically reduces the travel speed when cornering, reducing the risk of accidents or damage.



OSS (Operator Sensing System)

If the seat belt is not fastened, the vehicle's driving and mast operations are restricted. Additionally, when the operator leaves the seat, the forklift's operation and hydraulic functions automatically shut down.



EPB (Electronic Parking Brake)

The parking brake is activated automatically after 3 seconds of stopping to prevent accidents. The electronic parking brake prevents the forklift from rolling back if the truck is stopped on a slope.



Safety Light & Fence Light (Option)

Warning is given to pedestrians by reflecting red lines around the vehicle.



Wide Visibility, Easier Handling

With wide visibility, intuitive information, and precise control, we have it all.
This design reduces operator fatigue while enhancing operational efficiency and precision.

From clear visibility to effortless operation, convenience is built into every feature

Wide Visibility

Optimized layout of mast chains & structures provides excellent visibility. Front cowl height is lowered to reduce blind spots. The over head guard thickness and layout are optimized for wide visibility.

Ergonomic Operator Compartment

Thanks to spacious leg room, operator works at comfortable posture during the long hours of working. The size of entry grip bar & step plate are enlarged. It helps safer get on/off.

Dual Battery Connector

Dual battery connector maximizes convenience of charging. Charger can be connected directly without disconnecting the battery connector.

Ergonomic Fingertip Control

Designed to reduce strain on the hands, making precision tasks easier and minimizing fatigue.

Full Color Display

The full-color display has good visibility even outdoors and allows easy monitoring of the forklift's various statuses.

Convenience Features

3.0 USB power, Storage box, Document clip



Advanced LFP technology that charges faster, runs longer, and keeps you safer

Reduce Charging Time by 40%

Significantly improved charging speed enables a full charge within 2 to 3 hours.

Acquired International Testing Certification

Reinforced components with a safe design, passing all international battery test standards for North American and European markets, which have the most stringent regulations in the world.



Battery Management System

The Battery Management System monitors the battery's current, voltage, and temperature through sensors, ensuring optimal performance and efficient usage under ideal conditions.

Reliable Operation in the Cold

Optimized heating pad design ensures reliable performance in cold winter and freezer environments.

Prevents Safety Risks for the Driver Beforehand

Prevents issues that could compromise driver's safety by implementing a design that prevents battery exposure in case of a vehicle rollover as per ISO standards.

Reduced Downtime, Less Worry

The fast-charging, long-lasting LFP(Li-FePO4) battery improves both operational efficiency and stability.

It fully charges in approximately 2 hours, reducing charging time by 40% to enhance productivity.

The battery maintains consistent performance even in cold environments and ensures safety with international certifications and protective designs.





Reliable Maintainability for Maximizing Uptime

It's built for easy, worry-free upkeep. With smartly designed components and maintenance-free systems, you can count on less downtime and more confidence in every shift.

Easy access, reliable parts, and simplified service mean less hassle and more productivity

Excellent Reliability

Bobcat electric forklifts are built tough to provide maximum uptime and dependability thanks to a reliable AC controller, dust & water-resistant parts, and an additional drive motor cover.

EPB (Electronic Parking Brake)

The parking brake automatically activates when the forklift is parked, stopped, turned off, or when the operator leaves the seat, ensuring safety and eliminating the need for manual operation. As it is not a consumable part, it is completely maintenance-free.

Rigid Drivexle with ODB (Oil Cooled Disk Brake)

The ODB(Oil Cooled Disk Brake) system utilizes fluid friction between multiple disks and steel plates with oil to achieve braking. This design prevents disk wear, allowing permanent use and offering significant maintenance advantages.

Centralized Design of Electrical Components

By centralizing electrical components such as relays and fuses, maintenance and replacement become much easier.

Easy View

Simply by connecting a laptop to the forklift, a technician can adjust all the parameters according to the operator's preferences.



By applying knob bolt, Side & rear covers can be disassembled by hand

Specifications

TECHNICAL DATA ACCORDING TO VDI 2198								
CHARACTERISTICS	1.1	Manufacturer			Bobcat	Bobcat	Bobcat	
	1.2	Manufacturer's type designation			B16NT	B18NT	B20NT	
	1.3	Drive : electric (battery or mains)			Electric	Electric	Electric	
	1.4	Operator type: Hand, Pedestrian, Standing, Seated, Order-picker			Seated	Seated	Seated	
	1.5	Load Capacity	kg	Q	1600	1800	2000	
	1.6	Load Center	mm	c	500	500	500	
	1.8	Load Distance: Center of Driveaxle to fork	mm	x	372	377	377	
	1.9	Wheelbase	mm	y	1385	1385	1515	
WEIGHTS	2.1	Service weight (with min. weight of battery)		kg	3000	3200	3510	
	2.2	Axle loading, loaded front/rear		kg	4110/490	4460/540	4840/670	
	2.3	Axle loading, unloaded front/rear		kg	1390/1610	1510/1690	1700/1810	
WHEELS & TYRES	3.1	Tires: pneumatic (P), superelastic (SE), cushion (C)			SE	SE	SE	
	3.2	Tyre size, Front			18×7-8	18×7-8	200/50-10	
	3.3	Tyre size, Rear			16×6-8	16×6-8	16×6-8	
	3.5	Wheels, number Front/Rear (x = driven wheels)			2×/2	2×/2	2×/2	
	3.6	Tread width, front	mm	b11	960	960	984	
	3.7	Tread width, rear	mm	b12	216	216	216	
	4.1	Tilt of mast/fork carriage forward (α)/backward(β)		deg	α/β	5/7	5/7	
BASIC DIMENSIONS	4.2	Height, Mast lowered		mm	h1	1995	1995	
	4.3	Free Lift		mm	h2	105	110	
	4.4	Lift (with STD 2-stage mast)		mm	h3	3000	3000	
	4.5	Height, Mast Extended		mm	h4	3986	3986	
	4.7	Height of Overhead Guard(Cabin)		mm	h6	2060	2060	
	4.8	Height of Seat		mm	h7	1030	1030	
	4.12	Towing coupling height		mm		490	490	
	4.19	Overall Length		mm	l1	3060	3060	
	4.20	Length to face of forks		mm	l2	1990	1990	
	4.21	Overall Width		mm	b1/b2	1090	1090	
	4.22	Fork Dimensions		mm	s/e/l	35/100/1070	35/100/1070	
	4.23	Fork carriage ISO 2328, class/type A,B			2A	2A	2A	
	4.24	Fork carriage width		mm	b3	1040	1040	
	4.24a	Fork Spacing (min/max)		mm		0-840	0-840	
	4.31	Ground clearance, with load, below mast		mm	m1	110	110	
	4.32	Ground clearance, centre of wheelbase		mm	m2	105	105	
	4.34.1	Aisle width for pallets 1,000 x 1,200 crossways		mm	Ast	3258	3263	
	4.34.2	Aisle width for pallets 800 x 1200 lengthways		mm	Ast	3383	3387	
	4.35	Turning Radius		mm	Wa	1560	1560	
	4.36	Internal Turning Radius		mm	b13	0	0	
	PERFORMANCE	5.1	Travel speed, loaded / unloaded		km/h	15/15	15/15	15/15
		5.2	Lift speed, loaded / unloaded		m/s	0.43/0.5	0.42/0.5	0.4/0.5
		5.3	Lowering speed, loaded / unloaded		m/s	0.5/0.5	0.5/0.5	0.5/0.5
5.6		Maximum drawbar pull, loaded / unloaded, 5 minute rating		N	11000/10000	11500/10500	13000/12000	
5.8		Maximum gradeability, loaded / unloaded, 5 minute rating		%	15/20	15/20	15/20	
5.9		Acceleration time, loaded / unloaded, 15m		s	5.12/4.45	5.21/4.50	5.33/4.55	
5.10		Service Brake			Hydraulic	Hydraulic	Hydraulic	
ELECTRIC	-	Parking brake			Electromagnetic brake	Electromagnetic brake	Electromagnetic brake	
	6.1	Drive motor, output S2 60min.		kW	5.5*2	5.5*2	5.5*2	
	6.2	Lift motor, output at S3 15%		kW	12	12	12	
	6.3	Battery Type			Li-ion	Li-ion	Li-ion	
	6.4	Battery Voltage/normal capacity K5		V/Ah	51.2/277(412)	51.2/277(412)	51.2/277(412)	
	6.5	Battery Weight		kg	180/210	180/210	180/210	
	-	Battery Compartment L/W/H		mm	865×520×480	865×520×480	865×520×480	
OTHERS	6.6	Energy consumption according to EN16796		kwh/h @ no. of cycles	3.95	4.24	4.58	
	8.1	Type of drive control unit			Inverter AC	Inverter AC	Inverter AC	
	10.1	Working press for attachments		bar	System Attachment	17.5	17.5	
10.7	Sound level at th driver's ear according to EN 12 053		dB(A)		73	73	73	

*Please refer to the technical bulletin and contact your Bobcat representative for more detail information of battery size.
This specification sheet to VDI guideline 2198 only gives the technical figures for the standard truck. Different tires, masts, or additional equipment may result in varying specifications.

MAST SPRECIFICATIONS AND RATED CAPACITIES										
MODEL	MAST TYPE	MAX.Fork height	Mast Lowered Height	Extended Height		Free lift		Solid Soft Tire		
				with Load Backrest	without Load Backrest	with Load Backrest	without Load Backrest	Tile Angle		Load Capacity
		mm	mm	mm	mm	mm	mm	Fwd deg	Bwd deg	LC 500mm kg
B16NT	STD	3000	1995	3986	3606	105	105	5	7	1600
		3300	2145	4286	3906	105	105	5	7	1600
		3500	2245	4486	4106	105	105	5	7	1600
		4000	2545	4986	4606	105	105	4	5	1500
	FFL	4500	2795	5486	5106	105	105	4	5	1400
		3000	1995	3986	3640	1044	1390	5	7	1600
		4000	2545	4986	4640	1594	1940	4	5	1500
	FFT	4500	2115	5486	5206	1164	1444	4	5	1400
		4800	2215	5786	5506	1204	1484	4	5	1300
		5000	2315	5986	5706	1364	1644	4	5	1200
		5500	2465	6486	6206	1514	1794	4	5	1100
		6000	2665	6986	6706	1714	1994	4	5	800
B18NT	STD	3000	1995	3986	3606	110	110	5	7	1800
		3300	2145	4286	3906	110	110	5	7	1800
		3500	2245	4486	4106	110	110	5	7	1800
		4000	2545	4986	4606	110	110	4	5	1800
	FFL	4500	2795	5486	5106	110	110	4	5	1600
		3000	1995	3986	3640	1049	1390	5	7	1800
		4000	2545	4986	4640	1599	1940	4	5	1750
	FFT	4500	2115	5486	5206	1169	1444	4	5	1600
		4800	2215	5786	5506	1209	1484	4	5	1500
		5000	2315	5986	5706	1369	1644	4	5	1450
		5500	2465	6486	6206	1519	1794	4	5	1200
		6000	2665	6986	6706	1719	1994	4	5	900
B20NT	STD	3000	1995	3986	3606	110	110	5	7	2000
		3300	2145	4286	3906	110	110	5	7	2000
		3500	2245	4486	4106	110	110	5	7	2000
		4000	2545	4986	4606	110	110	4	5	2000
	FFL	4500	2795	5486	5106	110	110	4	5	1800
		3000	1995	3986	3640	1049	1390	5	7	2000
		4000	2545	4986	4640	1599	1940	4	5	1900
	FFT	4500	2115	5486	5206	1169	1444	4	5	1800
		4800	2215	5786	5506	1209	1484	4	5	1600
		5000	2315	5986	5706	1369	1644	4	5	1500
		5500	2465	6486	6206	1519	1794	4	5	1300
		6000	2665	6986	6706	1719	1994	4	5	1000

STANDARD FEATURES AND OPTIONAL EXTRAS	
TIRE	
Solid	✓
Solid-Non marking	•
CONTROL VALVE	
Lever	✓
Fingertip	•
SEAT	
Grammer, Suspension Arm rest	✓
Static	•
Suspension	•
LED	
Blue safety light	•
Red fence light	•

✓ Standard

• Option

* Remark : This list is based on factory data.
Standard or optional can vary for specific countries.

STANDARD FEATURES AND OPTIONAL EXTRAS	
OPERATOR CELL	
Modular A (Top)	✓
Modular B (Top, Front)	•
Modular C (Top, Front, Rear)	•
Modular D (Top, Front, Rear, Side Door)	•
BATTERY (W, W/O HEATING)	
Li-ion (412Ah)	✓
Li-ion (277Ah)	•
CHARGER	
On-board charger	•
High speed charger (150A)	✓
High speed charger (200A)	•



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Vehicle specifications and equipment dimensions are subject to change without notice for quality improvement purposes. Photos in this brochure may differ from standard equipment.

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