



Bobcat

One Tough Animal

SPECIFICATIONS

ELECTRIC FORKLIFTS

BNT-Series, 1.6 to 2.0-ton capacity

🌐 EMEA

Li-Ion
TECHNOLOGY



MAIN SPECIFICATIONS

TECHNICAL DATA ACCORDING TO VDI 2198							
	Unit	B16NT	B18NT	B20NT			
CHARACTERISTICS							
1.3 Drive			electric				
1.4 Operator type			seated				
1.5 Load capacity / load	Q	kg	1 600	1 800	2 000		
1.6 Load center	c	mm	500				
1.8 Load distance, center of drive axle to fork	x	mm	372	377			
1.9 Wheelbase	y	mm	1 385		1 515		
WEIGHT							
2.1 Service weight		kg	3 000	3 200	3 510		
2.2 Axle loading, with load, front / rear		kg	4 110 / 490	4 460 / 540	4 840 / 670		
2.3 Axle loading, without load, front / rear		kg	1 390 / 1 610	1 510 / 1 690	1 700 / 1 810		
TIRES							
3.1 Tires			superelastic				
3.2 Tire size, front			18 × 7-8		200 / 50-10		
3.3 Tire size, rear			16 × 6-8				
3.5 Wheels, number front rear (x = driven wheels)			2x / 2				
3.6 Tread front	b11	mm	960		984		
3.7 Tread rear	b12	mm	216				
DIMENSIONS							
4.1 Tilt of mast / fork carriage forward / backward	α/β	°	5 / 7				
4.2 Height, mast lowered	h1	mm	1 995				
4.3 Free lift	h2	mm	105	110			
4.4 Lift (with STD 2-stage mast)	h3	mm	3 000				
4.5 Height, mast extended	h4	mm	3 986				
4.7 Height of overhead guard (cabin)	h6	mm	2 060				
4.8 Height of seat	h7	mm	1 030				
4.12 Towing coupling height		mm	490				
4.19 Overall length	l1	mm	3 060		3 190		
4.20 Length to face of forks	l2	mm	1 990		2 120		
4.21 Overall width	b1/b2	mm	1 090				
4.22 Fork dimensions	s/e/l	mm	35 x 100 x 1 070				
4.23 Fork carriage ISO 2328, class/type A,B			2A				
4.24 Fork carriage width	b3	mm	1 040				
4.24a Fork spacing (min/max)		mm	0 – 840				
4.31 Ground clearance, with load, below mast	m1	mm	110				
4.32 Ground clearance, center of wheelbase	m2	mm	105				
4.34.1 Aisle width for pallets 1 000 × 1 200 crossways	Ast	mm	3 258	3 263	3 383		
4.34.2 Aisle width for pallets 800 × 1 200 lengthways	Ast	mm	3 383		3 507		
4.35 Turning radius	Wa	mm	1 560		1 680		
4.36 Internal turning radius	b13	mm	0				
PERFORMANCE							
5.1 Travel speed, with / without load		km/h	15 / 15				
5.2 Lift speed, with / without load		mm/s	430 / 500	420 / 500	400 / 500		
5.3 Lowering speed, with / without load		mm/s	500 / 500				
5.6 Max. drawbar pull, with / without load, 5 minute rating		kg	1 122 / 1 020	1 173 / 1 071	1 326 / 1 224		
5.8 Max. gradeability, with / without load, 5 minute rating		%	15 / 20				
5.10 Service brake			hydraulic				
Parking brake			EM				
ELECTRIC ENGINE							
6.1 Drive motor, output S2 60min		kW	5.5 x 2				
6.2 Lift motor, output at S3 15%		kW	12				
6.3 Battery type			lithium-ion				
6.4 Battery voltage, nominal capacity K5		V/Ah	51.2 / 277 (412)				
6.5 Battery weight		kg	180 / 210				
ADDITIONAL DATA							
8.1 Type of drive control unit			Inverter AC				
10.1 Working press for attachments—system / attachment		bar	17.5				
10.7 Sound level at the driver's ear according to EN 12 053		dB (A)	73				

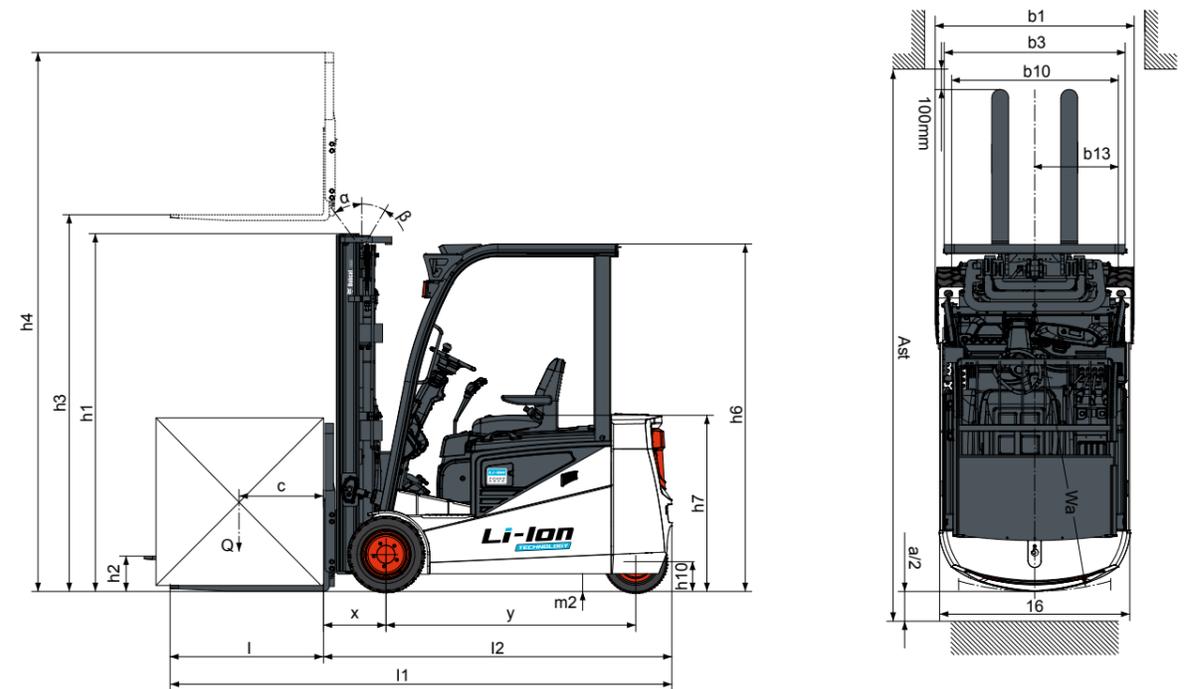
Note: Specification values quoted in this specification sheet have been rounded. Performance may vary depending on operating conditions. Products and specifications are subject to improvement and change without prior notice.

MAST SPECIFICATIONS & RATED CAPACITIES

MAST TYPE	MAXIMUM FORK HEIGHT (H3)	HEIGHT MAST LOWERED (H1)	HEIGHT MAST EXTENDED (H4)	FREE LIFT (H2)	TILT ANGLE (α / β)		LOAD CAPACITY (Q)
			WITH LOAD BACKREST	WITH LOAD BACKREST	SOLID SOFT TIRE		LC 500 mm
					FWD	BWD	
mm	mm	mm	mm	deg	deg	kg	
STD	3 000	1 995	3 986	105	5	7	1 600
	3 300	2 145	4 286	105	5	7	1 600
	3 500	2 245	4 486	105	5	7	1 600
	4 000	2 545	4 986	105	4	5	1 500
	4 500	2 795	5 486	105	4	5	1 400
FFL	3 000	1 995	3 986	1 044	5	7	1 600
	4 000	2 545	4 986	1 594	4	5	1 500
FFT	4 500	2 115	5 486	1 164	4	5	1 400
	4 800	2 215	5 786	1 204	4	5	1 300
	5 000	2 315	5 986	1 364	4	5	1 200
	5 500	2 465	6 486	1 514	4	5	1 100
	6 000	2 665	6 986	1 714	4	5	800

Note: Mast specifications and rated capacities are based on a standard chassis with solid single tires and without side shifter.

DIMENSIONS



MAST SPECIFICATIONS & RATED CAPACITIES

B18NT							
MAST TYPE	MAXIMUM FORK HEIGHT (H3)	HEIGHT MAST LOWERED (H1)	HEIGHT MAST EXTENDED (H4)	FREE LIFT (H2)	TILT ANGLE (α / β)		LOAD CAPACITY (Q)
			WITH LOAD BACKREST	WITH LOAD BACKREST	SOLID SOFT TIRE		
	mm	mm	mm	mm	FWD deg	BWD deg	LC 1 200 mm kg
STD	3 000	1 995	3 986	110	5	7	1 800
	3 300	2 145	4 286	110	5	7	1 800
	3 500	2 245	4 486	110	5	7	1 800
	4 000	2 545	4 986	110	4	5	1 800
	4 500	2 795	5 486	110	4	5	1 600
FFL	3 000	1 995	3 986	1 049	5	7	1 800
	4 000	2 545	4 986	1 599	4	5	1 750
FFT	4 500	2 115	5 486	1 169	4	5	1 600
	4 800	2 215	5 786	1 209	4	5	1 500
	5 000	2 315	5 986	1 369	4	5	1 450
	5 500	2 465	6 486	1 519	4	5	1 200
	6 000	2 665	6 986	1 719	4	5	900

B20NT							
MAST TYPE	MAXIMUM FORK HEIGHT (H3)	HEIGHT MAST LOWERED (H1)	HEIGHT MAST EXTENDED (H4)	FREE LIFT (H2)	TILT ANGLE (α / β)		LOAD CAPACITY (Q)
			WITH LOAD BACKREST	WITH LOAD BACKREST	SOLID SOFT TIRE		
	mm	mm	mm	mm	FWD deg	BWD deg	LC 1 200 mm kg
STD	3 000	1 995	3 986	110	5	7	2 000
	3 300	2 145	4 286	110	5	7	2 000
	3 500	2 245	4 486	110	5	7	2 000
	4 000	2 545	4 986	110	4	5	2 000
	4 500	2 795	5 486	110	4	5	1 800
FFL	3 000	1 995	3 986	1 049	5	7	2 000
	4 000	2 545	4 986	1 599	4	5	1 900
FFT	4 500	2 115	5 486	1 169	4	5	1 800
	4 800	2 215	5 786	1 209	4	5	1 600
	5 000	2 315	5 986	1 369	4	5	1 500
	5 500	2 465	6 486	1 519	4	5	1 300
	6 000	2 665	6 986	1 719	4	5	1 000

Note: Mast specifications and rated capacities are based on a standard chassis with solid single tires and without side shifter.

