



Bobcat

One Tough Animal

SPECIFICATIONS

ELECTRIC FORKLIFTS

BNT-Series, 1.6 to 2.0-ton capacity

🌐 EMEA

Li-Ion
TECHNOLOGY



MAIN SPECIFICATIONS

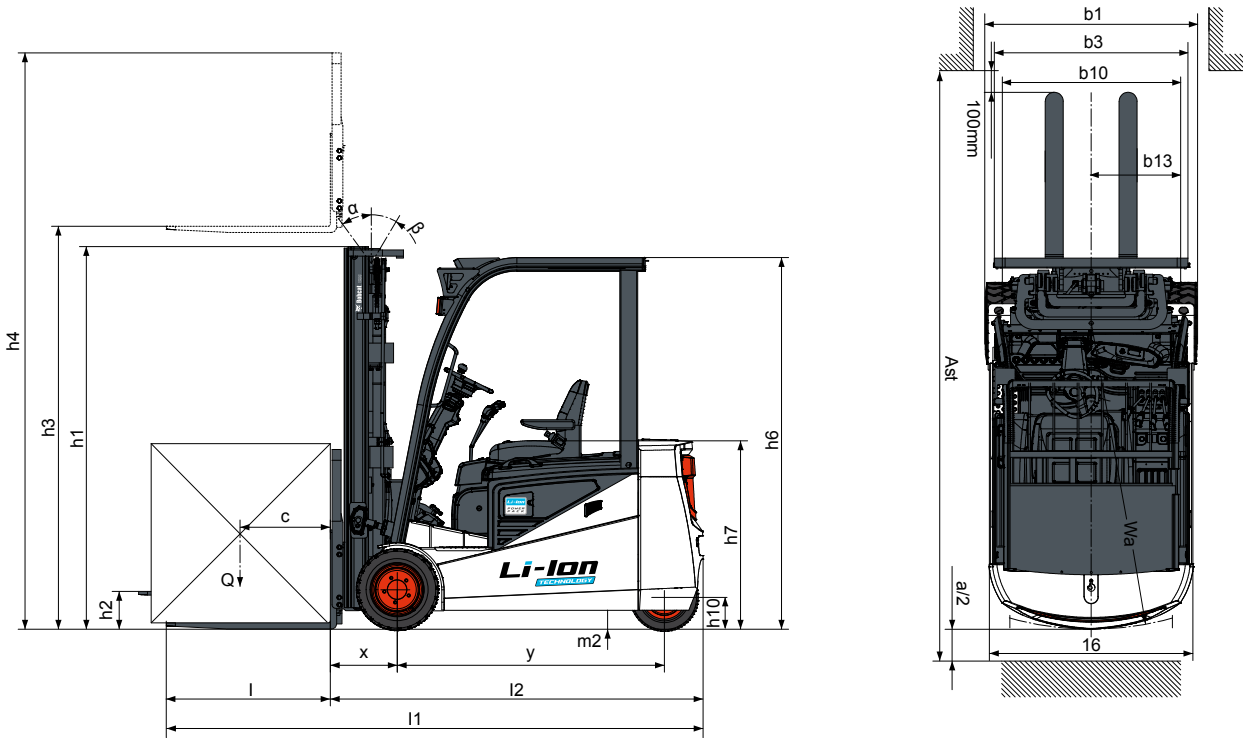
TECHNICAL DATA ACCORDING TO VDI 2198						
		Unit	B16NT		B18NT	B20NT
CHARACTERISTICS						
1.3 Drive			electric			
1.4 Operator type			seated			
1.5 Load capacity / load	Q	kg	1 600		1 800	2 000
1.6 Load center	c	mm	500			
1.8 Load distance, center of drive axle to fork	x	mm	372		377	
1.9 Wheelbase	y	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		3 387	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			

MAST SPECIFICATIONS & RATED CAPACITIES

B16NT							
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		
	FWD	BWD			LC 1 200 mm		
	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 dual pneumatic tires and no side shifter.

DIMENSIONS

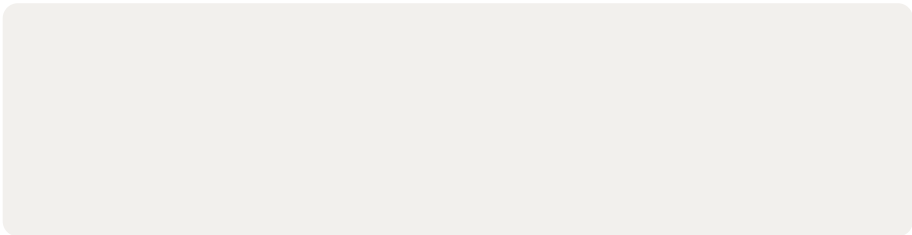


MAST SPECIFICATIONS & RATED CAPACITIES

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		
	FWD	BWD			LC 1 200 mm		
	mm	mm	mm	mm	deg	deg	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		
	FWD	BWD			LC 1 200 mm		
	mm	mm	mm	mm	deg	deg	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 & rated capacities are based on standard chassis with dual pneumatic tire and without side shifter.



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