



Bobcat

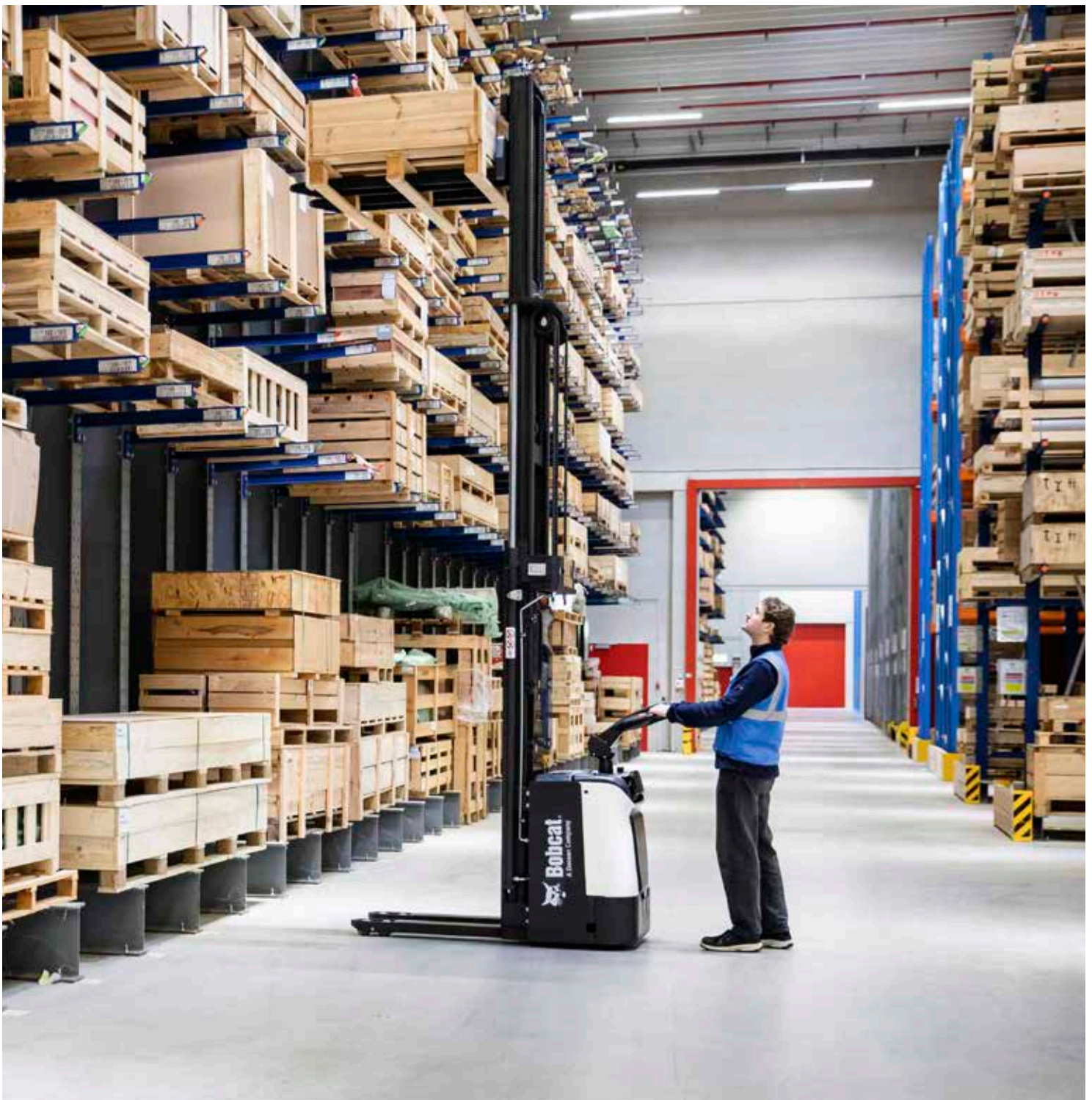
One Tough Animal

SPECIFICATIONS

POWERED STACKERS

Warehouse equipment, 1.2 to 1.6-ton capacity

🌐 EMEA



MAIN SPECIFICATIONS

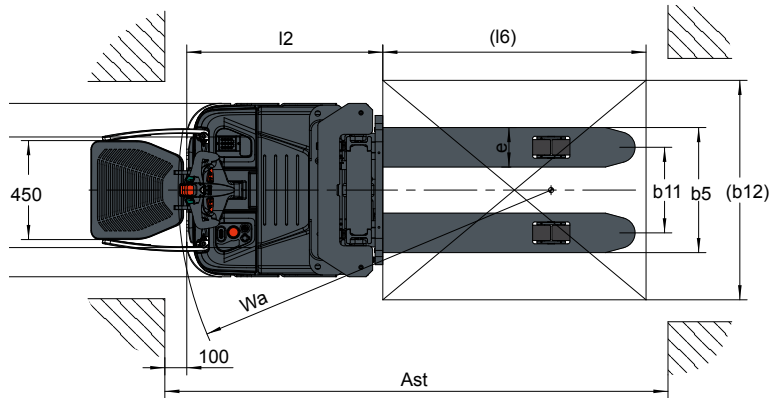
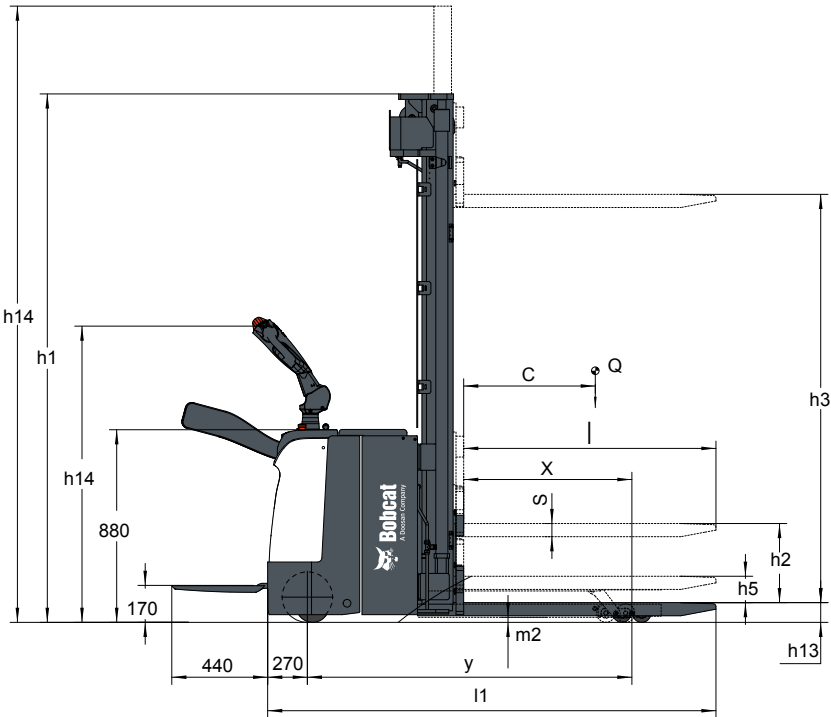
TECHNICAL DATA ACCORDING TO VDI 2198					
		Unit	BSR12N-7	BSR16N-7	BSR16N-7i
CHARACTERISTICS					
1.3 Drive			battery		
1.4 Operator type			pedestrian		
1.5 Load capacity, rated load center	Q	kg	1 200	1 600	
1.6 Load center	c	mm	600		
1.8 Load distance	x	mm	647		767 ²
1.9 Wheelbase	y	mm	1 167	1 215	1 480 ²
WEIGHT					
2.1 Service weight (incl. battery)		kg	1 080	1 380	1 450
2.2 Axle loading, with load, front / rear		kg	860 / 1 420	1 040 / 1 940	1 180 / 1 870
2.3 Axle loading, without load, front / rear		kg	780 / 320	940 / 440	1 040 / 410
TIRES					
3.1 Tires			polyurethane (PU)		
3.2 Tire size, front		mm	230 × 70		
3.3 Tire size, rear		mm	84 × 70		
3.4 Support wheel		mm	150 × 54		
3.5 Wheels, number front / rear (x=driven wheels)			1x + 1 / 4		
3.6 Track width, front	b10	mm	510	519	
DIMENSIONS					
4.2 Lowered mast height	h1	mm	2 308	2 408	2 105
4.3 Free Lift height	h2	mm	1 760	1 820	1 520
4.4 Lift	h3	mm	3 510	5 410	4 530
4.5 Extended mast height	h4	mm	4 080	5 980	5 080
4.6 Initial lift	h5	mm	—		120
4.9 Height of tiller in drive position, min. / max.	h14	mm	950 / 1 350		
4.15 Height, lowered	h13	mm	90		
4.19 Overall length	l1	mm	1 855 ¹	1 896 ¹	2 044 ²
4.20 Length to forkface	l2	mm	705 ¹	746 ¹	894 ²
4.21 Overall width	b1/b2	mm	790		
4.22 Fork dimensions	s/e/l	mm	60 × 180 × 1 150		
4.25 Distance between fork arms	b5	mm	570 / 685		
4.32 Ground clearance, center of wheelbase	m2	mm	28	20	
4.33 Aisle width for pallets 1 000 × 1 200 crossways	Ast	mm	2 285 ¹	2 325 ¹	2 586 ³
4.34 Aisle width for pallets 800 × 1 200 lengthways	Ast	mm	2 250 ¹	2 290 ¹	2 566 ³
4.35 Turning radius	Wa	mm	1 380 ¹	1 420 ¹	1 700 ³
PERFORMANCE DATA					
5.1 Travel speed, with / without load		km/h	7 / 8	6 / 7	
5.2 Lift speed, with / without load		mm/s	90 / 140	130 / 200	90 / 140
5.3 Lowering speed, with / without load		mm/s	250 / 200	280 / 230	250 / 200
5.8 Max. gradeability, with / without load		(%)	6 / 12		
5.10 Service brake			electromagnetic		
ELECTRIC MOTOR					
6.1 Drive motor rating S2 60min		kW	1.4		
6.2 Lift motor rating at S3 10%		kW	1.5	3.2	
6.3 Battery acc. to DIN 43535 A/B/C/no			2PZB	3VBS	3VBS
6.4 Battery voltage, nominal capacity K5		V/Ah	24 / 160-180	24 / 210-270	24 / 270
6.5 Battery weight		kg	155	185	230
6.6 Energy consumption acc. to VDI cycle		kWh/h	0.95	1.34	0.73
ADDITIONAL DATA					
8.1 Type of control for drive and lift			AC speed control		
8.4 Sound level at driver's ear acc. to EN12053		db(A)	<70		

¹With compact platform: +440 mm
²When platform is folded: -74 mm
³When platform is extended: +440 mm

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.

DIMENSIONS

BSR12N-7 / BSR16N-7(i)



MAST SPECIFICATIONS & RATED CAPACITIES

BSR12N-7

MAST TYPE	MAXIMUM FORK HEIGHT (H3)	HEIGHT MAST LOWERED (H1)	HEIGHT MAST EXTENDED (H4)	FREE LIFT (H2)	LIFT + FORK HEIGHT (H3 + H13)	RESIDUAL CAPACITY
	mm	mm	mm	mm	mm	kg
2-STAGE MAST	2 810	1 958	3 380	–	2 900	1 000
	3 110	2 108	3 680	–	3 200	800
	3 510	2 308	4 080	–	3 600	600
2-STAGE MAST (FFL)	2 810	1 958	3 380	1 410	2 900	1 000
	3 110	2 108	3 680	1 560	3 200	800
	3 510	2 308	4 080	1 760	3 600	600
3-STAGE MAST (FFL)	3 910	1 998	4 480	1 320	4 000	–
	4 210	2 008	4 780	1 420	4 300	500
	4 510	2 108	5 080	1 520	4 600	400

BSR16N-7

MAST TYPE	MAXIMUM FORK HEIGHT (H3)	HEIGHT MAST LOWERED (H1)	HEIGHT MAST EXTENDED (H4)	FREE LIFT (H2)	LIFT + FORK HEIGHT (H3 + H13)	RESIDUAL CAPACITY
	mm	mm	mm	mm	mm	kg
2-STAGE MAST	2 810	1 958	3 380	–	2 900	1 400
	3 110	2 108	3 680	–	3 200	1 200
	3 510	2 308	4 080	–	3 600	1 000
2-STAGE MAST (FFL)	2 810	1 958	3 380	1 410	2 900	1 400
	3 110	2 108	3 680	1 560	3 200	1 200
	3 510	2 308	4 080	1 760	3 600	1 000
3-STAGE MAST	4 210	2 008	4 780	–	4 300	900
	4 510	2 108	5 080	–	4 600	800
3-STAGE MAST (FFL)	3 310	1 708	3 880	1 120	3 400	1 200
	3 910	1 908	4 480	1 320	4 000	–
	4 210	2 008	4 780	1 420	4 300	900
	4 510	2 108	5 080	1 520	4 600	800
	4 910	2 241	5 480	1 654	5 000	800
	5 210	2 343	5 780	1 756	5 300	700
	5 410	2 408	5 980	1 820	5 500	600

BSR16N-7i

MAST TYPE	MAXIMUM FORK HEIGHT (H3)	HEIGHT MAST LOWERED (H1)	HEIGHT MAST EXTENDED (H4)	FREE LIFT (H2)	LIFT + FORK HEIGHT (H3 + H13)	RESIDUAL CAPACITY
	mm	mm	mm	mm	mm	kg
2-STAGE MAST	2 830	1 958	3 380	–	2 900	1 300
	3 130	2 108	3 680	–	3 200	1 000
	3 530	2 308	4 080	–	3 600	800
2-STAGE MAST (FFL)	2 830	1 958	3 380	1 410	2 900	1 300
	3 130	2 108	3 680	1 560	3 200	1 000
	3 530	2 308	4 080	1 760	3 600	800
3-STAGE MAST	4 230	2 008	4 780	–	4 300	600
	4 530	2 108	5 080	–	4 600	500
3-STAGE MAST (FFL)	3 930	1 908	4 480	1 320	4 000	700
	4 230	2 008	4 780	1 420	4 300	600
	4 530	2 108	5 080	1 520	4 600	500

