



**SOSEQUIMENT**

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## 7 Series Cushion Electric Forklifts 4,000 lb to 6,500 lb Capacity

BC20S/BC25S/BC25SE/BC30S/BC32S-7



*Lifting Your Dreams*

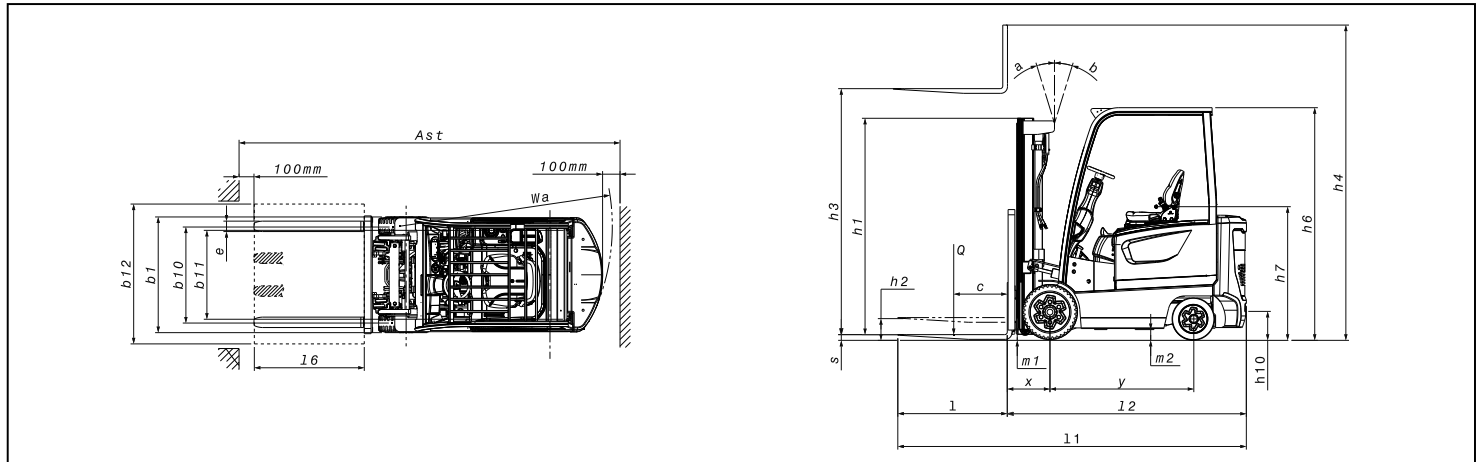
# GENERAL SPECIFICATION

Characteristics	1.1	Manufacturer			<b>DOOSAN</b>
	1.2	Model			<b>BC20S-7</b>
	1.3	Drive			Electric
	1.4	Operator type			Seated
	1.5	Load capacity	Q	lb(kg)	4000(2000)
	1.6	Load center	c	in(mm)	24(500)
	1.8	Load distance (LMC)	x	in(mm)	15.9(405)
	1.9	Wheelbase	y	in(mm)	50.4(1280)
	Weights	2.1	Service weight (with min. weight of battery)		lb(kg)
2.2		Axle loading, loaded front/rear		lb(kg)	12310/1289(5584/585)
2.3		Axle loading, unloaded front/rear		lb(kg)	4405/4786(1998/2171)
Wheels & Tyres	3.1	Tires: pneumatic (P), superelastic (SE), cushion (C)			C
	3.2	Tire size, front			21x7x15
	3.3	Tire size, rear			16x6x10.5
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2
	3.6	Tread width, front	b10	in(mm)	36.7(932)
	3.7	Tread width, rear	b11	in(mm)	35.5(902)
	Basic dimensions	4.1	Tilt of mast forward / backward	$\alpha / \beta$	deg
4.2		Height, mast lowered	h1	in(mm)	83.3(2115)
4.3		Free lift	h2	in(mm)	6(152)
4.4		Lift (with STD 2-stage mast)	h3	in(mm)	127(3230)
4.5		Height, mast extended	h4	in(mm)	176.4(4480)
4.7		Height to top of overhead guard	h6	in(mm)	87.0(2210)
4.8		Seat height/stand height	h7	in(mm)	43.9(1115)
4.12		Towing coupling height	h10	in(mm)	11.8 (300)
4.19		Overall length	l1	in(mm)	124 (3155)
4.20		Length to face of forks	l2	in(mm)	82.9(2105)
4.21		Overall width	b1	in(mm)	43.7(1110)
4.22		Fork dimensions	s / e / l	in(mm)	1.6x3.9x41.3(40x100x1050)
4.23		Fork carriage ISO 2328. Class/type A, B			2A
4.24		Fork carriage width	b3	in(mm)	38.3 (973)
4.24a		Fork Spacing (min/max)		in(mm)	11.7/35.6(297/905)
4.31		Ground clearance	m1	in(mm)	3.1(80)
4.32		Ground clearance, centre of wheelbase	m2	in(mm)	4.1(103)
4.34.1		Aisle width for pallets 1000 x 1200 crossways	Ast	in(mm)	136.4(3465)
4.34.1		Aisle width for pallets 800 x 1200 lengthways	Ast	in(mm)	144.3(3665)
4.35	Turning radius	Wa	in(mm)	73.2(1860)	
Performance	5.1	Travel speed, loaded / unloaded	36V	mph(km/h)	8.4/9.6(13.5/15.5)
			48V		11.2/11.2(18.0/18.0)
	5.2	Lift speed, loaded / unloaded	36V	fpm(mm/s)	67/104(340/530)
			48V		90.5/126(460/640)
	5.3	Lowering speed, loaded	36V	fpm(mm/s)	98.4(500)
			48V		91(460)
	5.8	Maximum gradeability, loaded (5 minute rating)	36V	%	22
48V			24		
5.10	Service brake			Hydraulic	
	Parking brake			Auto-Electric	
Electric	6.1	Drive motor rating S2 60 minute		hp(kW)	21(16.0)
	6.2	Lifting motor rating at S3 15%		hp(kW)	24(18)
	6.3	Battery type			Lead-acid
	6.3a	Battery Compartment (Length x Width x Height)	Nominal	in(mm)	40x30.5x24(1008x776x610)
	6.4	Battery voltage/nominal (max.) capacity K5		V/Ah	36 / 1200
	6.5	Battery weight (min/max)		lb(kg)	2293(1040) / 3153(1430)
Others	8.1	Type of drive control unit			AC
	10.1	Operating pressure for Systems / attachments	System	pis (kPa)	2407(16600)
			Attachment		2248(15500)
10.7	Sound level at the driver's ear according to EN 12 053			dB (A)	69

Note: The values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions. Products and specifications are subject to change without prior notices.

Characteristics	1.1	<b>DOOSAN</b>	<b>DOOSAN</b>	<b>DOOSAN</b>	<b>DOOSAN</b>
	1.2	<b>BC25S-7</b>	<b>BC25SE-7</b>	<b>BC30S-7</b>	<b>BC32S-7</b>
	1.3	Electric	Electric	Electric	Electric
	1.4	Seated	Seated	Seated	Seated
	1.5	5000(2500)	5000(2500)	6000(3000)	6500(3200)
	1.6	24(500)	24(500)	24(500)	24(500)
	1.8	15.9(405)	16.0(406)	16.0(406)	16.0(406)
	1.9	50.4(1280)	54.3(1380)	54.3(1380)	54.3(1380)
Weights	2.1	10445(4739)	10209(4631)	11012(4995)	11545(5237)
	2.2	14315/1645(6493/746)	14207/1517(6444/688)	15823/1801(7177/817)	16449/2151(7461/976)
	2.3	4431/6014(2010/2728)	4641/5569(2105/2526)	4345/6667(1971/3024)	4204/7431(1907/3330)
Wheels & Tyres	3.1	C	C	C	C
	3.2	21x7x15	21x7x15	21x8x15	21x8x15
	3.3	16x6x10.5	16x6x10.5	16x6x10.5	16x6x10.5
	3.5	2x/2	2x/2	2x/2	2x/2
	3.6	36.7(932)	36.7(932)	35.7(907)	35.7(907)
	3.7	35.5(902)	35.5(902)	35.5(902)	35.5(902)
	Basic dimensions	4.1	6 / 10	6 / 10	6 / 10
4.2		83.3(2115)	83.3(2115)	83.3(2115)	83.3(2115)
4.3		6(152)	6(152)	6(152)	6(152)
4.4		127(3230)	127(3230)	127(3230)	127(3230)
4.5		176.4(4480)	176.4(4480)	176.4(4480)	176.4(4480)
4.7		87.0(2210)	87.0(2210)	87.0(2210)	87.0(2210)
4.8		43.9(1115)	43.9(1115)	43.9(1115)	43.9(1115)
4.12		11.8 (300)	11.8 (300)	11.8 (300)	11.8 (300)
4.19		124.7 (3172)	127.9 (3255)	129.3 (3290)	131.3 (3340)
4.2		83.6(2122)	86.8(2205)	88.2(2240)	90.2(2290)
4.21		43.7(1110)	43.7(1110)	43.7(1110)	43.7(1110)
4.22		1.6x3.9x41.3(40x100x1050)	1.6x3.9x41.3(40x100x1050)	1.8x4.9x41.3(45x125x1050)	1.8x4.9x41.3(45x125x1050)
4.23		2A	2A	3A	3A
4.24		38.3 (973)	38.3 (973)	40.4 (1025)	40.4 (1025)
4.24a		11.7/35.6(297/905)	11.7/35.6(297/905)	11.1/37.6(282/954)	11.1/37.6(282/954)
4.31		3.1(80)	3.1(80)	3.1(80)	3.1(80)
4.32		4.1(103)	4.1(103)	4.1(103)	4.1(103)
4.34.1		136.5(3468)	140(3557)	140.8(3578)	142.5(3621)
4.34.1		144.4(3668)	147.9(3757)	148.7(3778)	150.4(3821)
4.35		73.3(1863)	76.8(1951)	77.6(1972)	79.3(2015)
Performance	5.1	8.4/9.6(13.5/15.5)	8.4/9.6(13.5/15.5)	8.4/9.6(13.5/15.5)	8.4/9.6(13.5/15.5)
		11.2/11.2(18.0/18.0)	11.2/11.2(18.0/18.0)	11.2/11.2(18.0/18.0)	11.2/11.2(18.0/18.0)
	5.2	57/104(290/530)	57/104(290/530)	53/102(270/520)	53/102(270/520)
		79/126(400/640)	79/126(400/640)	69/124(350/630)	69/124(350/630)
	5.3	98.4(500)	98.4(500)	98.4(500)	98.4(500)
		91(460)	91(460)	91(460)	91(460)
	5.8	18	18	17	16
		21	21	18	18
	5.1	Hydraulic	Hydraulic	Hydraulic	Hydraulic
		Auto-Electric	Auto-Electric	Auto-Electric	Auto-Electric
Electric	6.1	21(16.0)	21(16.0)	21(16.0)	21(16.0)
	6.2	24(18)	24(18)	24(18)	24(18)
	6.3	Lead-acid	Lead-acid	Lead-acid	Lead-acid
	6.3a	40x30.5x24(1008x776x610)	40x34.5x24(1008x776x610)	40x34.5x24(1008x776x610)	40x34.5x24(1008x776x610)
	6.4	36 / 1300	36 / 1400	36 / 1400	36 / 1400
	6.5	2800(1270) / 3153(1430)	2800(1270) / 3869(1755)	2998(1360) / 3869(1755)	2998(1360) / 3869(1755)
Others	8.1	AC	AC	AC	AC
	10.1	2799(19300)	2799(19300)	3002(21100)	3002(21100)
		2248(15500)	2248(15500)	2248(15500)	2248(15500)
10.7	69	69	69	69	

# DIMENSIONAL DRAWING



## MAST SPECIFICATIONS and RATED CAPACITIES

### BC20S-7, BC25S-7, BC25SE-7

Mast Type	Maximum Fork Height		Fully Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities							
									BC20S-7				BC25S-7 & BC25SE-7			
									Tilt Angle		Load Capacities		Tilt Angle		Load Capacities	
									FWD	BWD	LC500mm	LC24in	FWD	BWD	LC500mm	LC24in
mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb	deg	deg	kg	lb	
STD	2580	102	1790	70	3830	151	147	6	6	10	2000	4000	6	10	2500	5000
	2950	116	1975	78	4200	165	147	6	6	10	2000	4000	6	10	2500	5000
	3230	127	2115	83	4480	176	147	6	6	10	2000	4000	6	10	2500	5000
	3500	138	2365	93	4755	187	147	6	6	8	2000	4000	6	8	2500	5000
	3800	150	2515	99	5055	199	147	6	6	8	2000	4000	6	8	2500	5000
	3950	156	2590	102	5205	205	147	6	6	8	2000	4000	6	8	2500	5000
	4350	171	2790	110	5605	221	147	6	6	8	2000	4000	6	8	2425	4900
4960	195	3090	122	6205	244	147	6	6	8	1925	3900	6	8	2300	4650	
FF	2580	102	1790	70	3830	151	585	23	6	8	2000	4000	6	8	2500	5000
	2950	116	1975	78	4200	165	770	30	6	5	2000	4000	6	5	2500	5000
	3230	127	2115	89	4480	176	910	36	6	5	2000	4000	6	5	2500	5000
FFT	3600	142	2365	93	4855	191	1160	46	6	5	2000	4000	6	5	2500	5000
	3900	154	1815	71	5155	203	610	24	6	5	2000	4000	6	5	2500	5000
	4290	169	1950	77	5560	219	745	29	6	5	2000	4000	6	5	2425	4900
	4730	186	2090	82	5980	235	885	35	6	5	2000	3950	6	5	2325	4700
5560	219	2440	96	6805	268	1235	49	6	5	1825	3700	6	5	2175	4400	
6010	237	2590	102	7255	286	1385	55	6	5	1750	3550	6	3	2075	4250	

### BC30S-7, BC32S-7

Mast Type	Maximum Fork Height		Fully Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities							
									BC30S-7				BC32S-7			
									Tilt Angle		Load Capacities		Tilt Angle		Load Capacities	
									FWD	BWD	LC500mm	LC24in	FWD	BWD	LC500mm	LC24in
mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb	deg	deg	kg	lb	
STD	2030	80	1515	60	3280	129	152	6	6	10	3000	6000	6	5		6500
	2580	102	1790	70	3830	151	152	6	6	10	3000	6000	6	5		6500
	2950	116	1975	78	4200	165	152	6	6	10	3000	6000	6	10		6500
	3230	127	2115	83	4480	176	152	6	6	10	3000	6000	6	10		6500
	3500	138	2365	93	4755	187	152	6	6	8	3000	6000	6	5		6500
	3800	150	2515	99	5055	199	152	6	6	8	3000	6000	6	8		6500
	3950	156	2590	102	5205	205	152	6	6	8	3000	6000	6	8		6500
	4350	171	2790	110	5605	221	152	6	6	8	3000	6000	6	8		6500
	4960	195	3090	122	6205	244	152	6	6	5	2850	5750	6	3		6450
FF	2580	102	1790	70	3830	151	590	23	6	8	3000	6000	6	8		6500
	2950	116	1975	78	4200	165	775	30	6	5	3000	6000	6	5		6500
	3230	127	2115	89	4480	176	915	36	6	5	3000	6000	6	5		6500
	3600	142	2365	93	4855	191	1165	46	6	5	3000	6000	6	5		6500
FFT	3900	154	1840	72	5155	203	640	25	6	5	2900	6000	6	5		6400
	4290	169	1975	78	5560	219	775	30	6	5	2900	6000	6	5		6400
	4730	186	2115	83	5980	235	915	36	6	5	2900	5850	6	5		6400
	5560	219	2465	97	6805	268	1265	50	6	5	2700	5500	6	5		6200
	6010	237	2615	103	7255	286	1415	56	6	3	2475	5350	6	3		5400

Note: Mast specifications & Rated Capacities are based on standard chassis with cushion tire and without sideshifter.