

# MAST SPECIFICATION and RATED CAPACITIES

## B80NS

Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height	Free Lift	Rated Load Capacities				
					w/ Load Backrest	w/ Load Backrest	Tilt Angle		Load capacities
			mm	mm			mm	mm	Fwd deg
STD	3,300	2,900	4,550	-					8,000
	3,600	3,050	4,850	-					8,000
	4,000	3,250	5,250	-					8,000
	4,500	3,500	5,750	-					8,000
	5,000	3,750	6,250	-					7,500
	5,500	4,000	6,750	-					7,000
FFT	4,500	2,730	5,720	1,480					7,800
	5,000	2,920	6,290	1,670					7,450
	5,500	3,080	6,770	1,830					7,100
	6,000	3,250	7,280	2,000					6,050
	6,500	3,400	7,730	2,150					5,700
	7,000	3,600	8,330	2,350					5,350
	7,500	3,750	8,780	2,500					4,650

## B100NS

Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height	Free Lift	Rated Load Capacities				
					w/ Load Backrest	w/ Load Backrest	Tilt Angle		Load capacities
			mm	mm			mm	mm	Fwd deg
STD	3,300	2,900	4,750	-					10,000
	3,600	3,050	5,070	-					10,000
	4,000	3,250	5,405	-					10,000
	4,500	3,500	5,905	-					10,000
	5,000	3,750	6,405	-					9,360
	5,500	4,000	6,905	-					8,750
FFT	4,500	2,730	5,720	1,480					9,800
	5,000	2,920	6,290	1,670					9,365
	5,500	3,080	6,770	1,830					8,930
	6,000	3,250	7,280	2,000					7,660
	6,500	3,400	7,730	2,150					7,250
	7,000	3,600	8,330	2,350					6,850
	7,500	3,750	8,780	2,500					6,050

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.

**DOOSAN**

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Authorized Dealer

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**DOOSAN**

B80NSC / B80NS / B100NS

## NS-SERIES FORKLIFTS

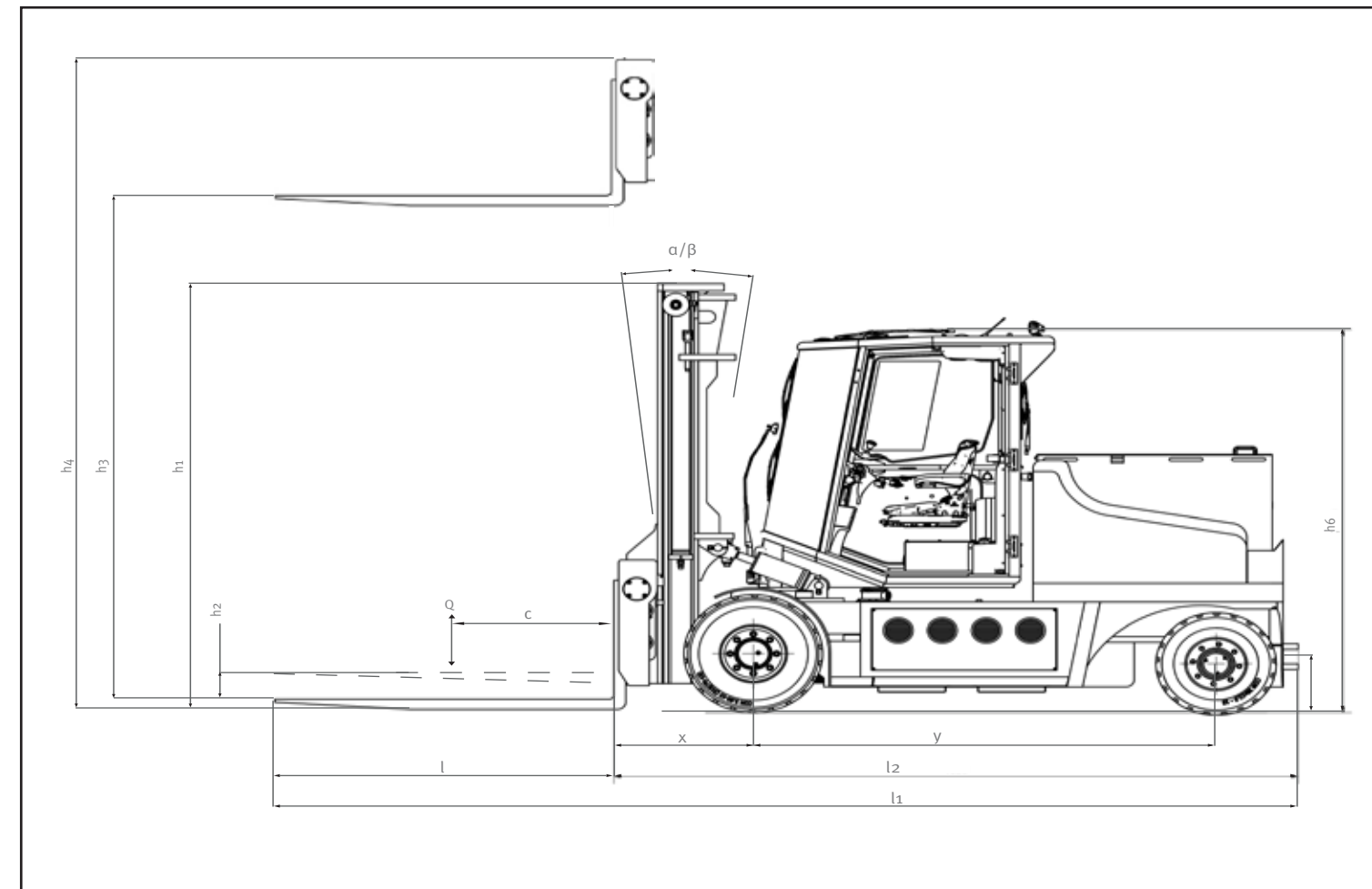
Electric 8.0 to 10.0 ton capacity



# Technical Data according to VDI 2198

	CHARACTERISTICS		Doosan		
			Doosan	Doosan	Doosan
	1.1	Manufacturer			
	1.2	Model	B80NSC	B80NS	B100NS
	1.3	Power unit	Battery	Battery	Battery
	1.4	Operator Type	driver seated	driver seated	driver seated
	1.5	Load Capacity/rated load	Q	kg	8,000
	1.6	Load Center	c	mm	600
	1.8	Load Distance, center of drive axle to fork	x	mm	695
	1.9	Wheelbase	y	mm	2,835
	2.1	Service Weight (with min. weight of battery)		kg	13,270
	2.2	Axle loading, loaded, front/rear		kg	18,504/2,766
	2.3	Axle loading, unloaded, front/rear		kg	6,850/6,420
	3.1	Tires : pneumatic (P), superelastic (SE), cushion (C)			SE
	3.2	Tyre size, Front			4.00/60-15 - 8,25-15
	3.3	Tyre size, Rear			28X12.5-15
	3.5	Wheels, number Front/Rear (x = driven wheels)			4X/2
	3.6	Tread, Front	b11	mm	1,428 - 1,490
	3.7	Tread, Rear	b12	mm	1,310
	4.1	Tilt of Mast/Fork carriage Forward/Backward	$\alpha/\beta$	°	5/8
	4.2	Height, Mast lowered	h1	mm	2,900
	4.4	Lift Height	h3	mm	3,300
	4.5	Height, Mast Extended	h4	mm	4,550
	4.7	Height of Overhead Guard	h6	mm	2,755
	4.8	Height of Seat	h7	mm	1,405
	4.19	Overall Length	l1	mm	5,100
	4.20	Length to Forkface	l2	mm	3,900
	4.21	Overall Width	b1/b2	mm	1,760 - 1,930
	4.22	Fork Dimensions	s/e/l	mm	60X200X1,200
	4.23	Fork carriage ISO 2328 (FEM), TPSL, TWSL			FEM IV A
	4.24	Fork carriage width	b3	mm	1,400
	4.31	Ground Clearance, unloaded, below mast	m1	mm	180
	4.32	Ground Clearance, center of wheelbase	m2	mm	155
	4.33	Aisle width for pallets 1.000 X 1.200 crossways	Ast	mm	5,345
	4.35	External Turning Radius	Wa	mm	3,150
	4.36	Minimum pivoting point distance	a/2	mm	150
	5.1	Travel Speed, loaded/unloaded		km/h	14/15
	5.2	Lift Speed, loaded/unloaded		mm/s	380/420
	5.3	Lowering Speed, loaded/unloaded		mm/s	500/400
	5.8	Max. Gradeability, loaded/unloaded		%	11/19
	5.10	Service brake			hydraulic
	6.1	Drive motor S2 60 min		kW	38
	6.2	Lift motor rating at S3 15%		kW	52
	6.4	Battery voltage, nominal capacity K5		V/Ah	96/1,085-1,550
	6.5	Battery weight		kg	4,385
	8.1	Type of drive control			electronic in AC
	8.2	Operating pressure		bar	200
	8.3	Max oil flow for attachments		l/min	80
	8.4	Noise level at operators ear		dB	70

# Dimensional Drawing



## MAST SPECIFICATION and RATED CAPACITIES

### B80NSC

Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height w/ Load Backrest	Free Lift w/ Load Backrest	Rated Load Capacities		
					Tilt Angle		Load capacities LC 600mm
					Fwd deg	Bwd deg	
STD	3,300	2,900	4,550	-	5	8	8,000
	3,600	3,050	4,850	-	5	8	8,000
	4,000	3,250	5,250	-	5	8	8,000
	4,500	3,500	5,750	-	5	8	8,000
	5,000	3,750	6,250	-	4	6	7,500
	5,500	4,000	6,750	-	4	6	7,000
FFT	4,500	2,730	5,720	1,480	4	6	7,400
	5,000	2,920	6,290	1,670	4	6	7,050
	5,500	3,080	6,770	1,830	4	6	6,700
	6,000	3,250	7,280	2,000	3	4	5,650
	6,500	3,400	7,730	2,150	3	4	5,300
	7,000	3,600	8,330	2,350	3	3	4,950
	7,500	3,750	8,780	2,500	3	3	4,250

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.