



B15NS / B18NS / B20NS

NXE SERIES FORKLIFTS

Electric 1.5 to 2.0 ton capacity 4wheel

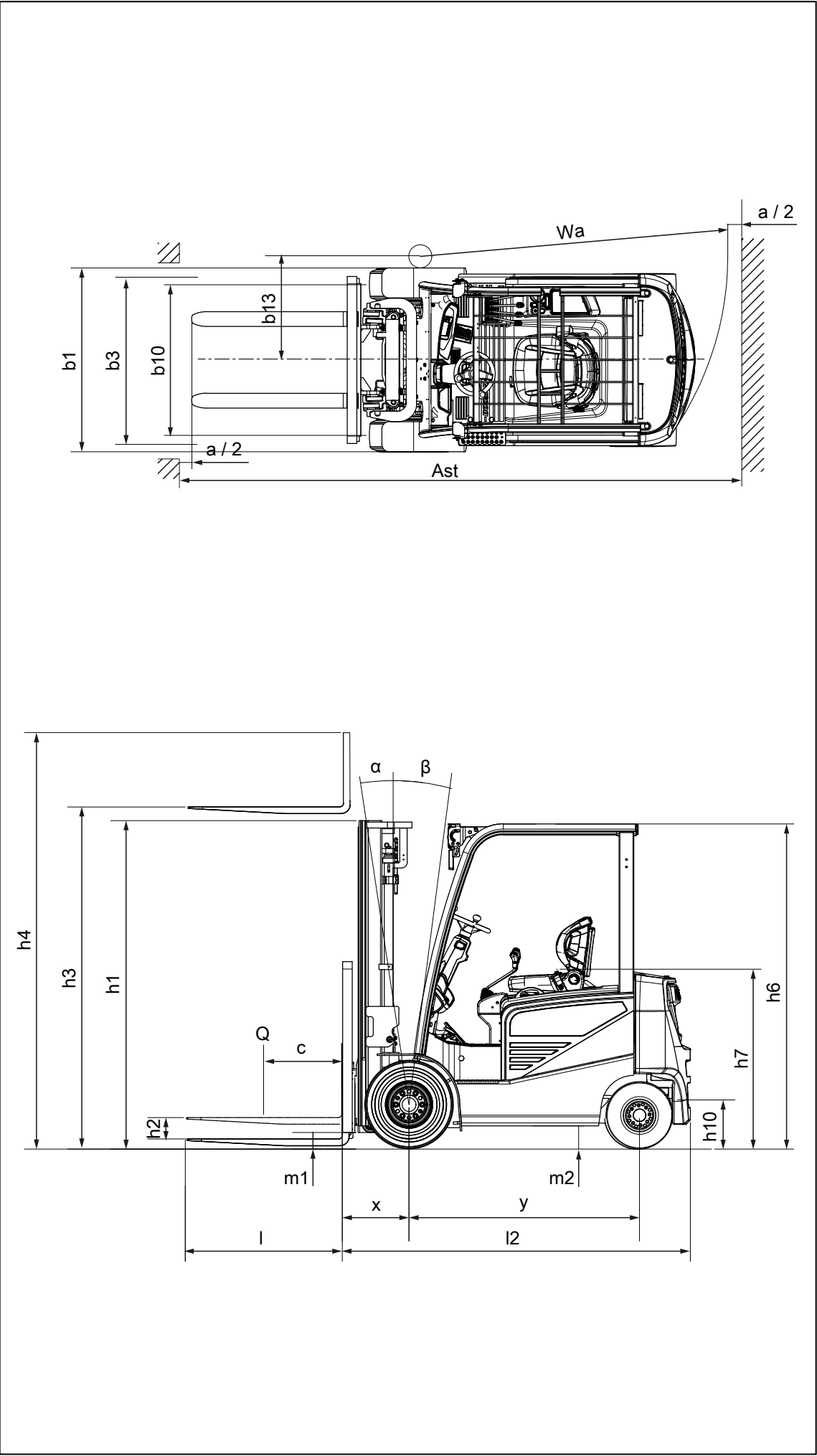


Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer			DOOSAN	DOOSAN	DOOSAN
	1.2	Manufacturer's type designation			B15NS	B18NS	B20NSC
	1.3	Drive : electric(battery or mains) ,diesel, petrol ,fuel gas, manual			Electric	Electric	Electric
	1.4	Operator type : hand, pedestrian, standing, seated, order-picker			Seated	Seated	Seated
	1.5	Load capacity/rated load kg(lb)	kg	Q	1500	1750	2000
	1.6	Load centre distance	mm	c	500	500	500
	1.8	Load distance, centre of drive axle to fork	mm	x	391	391	396
	1.9	Wheelbase	mm	y	1360	1360	1360
Weights	2.1	Service weight (with min. weight of battery)	kg		3020	3300	3520
	2.2	Axle loading, loaded front/rear	kg		4035/485	4535/515	4950/570
	2.3	Axle loading, unloaded front/rear	kg		1495/1525	1560/1740	1620/1900
Wheels & Tyres	3.1	Tires: pneumatic (P), superelastic (SE), cushion (C) SE			SE	SE	SE
	3.2	Tire size, front			6.5-10-10	6.5-10	6.5-10
	3.3	Tire size, rear			5.00-8	5.00-8	5.00-8
	3.5	Wheels, number front/rear (x=driven wheels)			2x/2	2x/2	2x/2
	3.6	Tread width, front	mm	b10	970	970	970
	3.7	Tread width, rear	mm	b11	920	920	920
Basic dimensions	4.1	Tilt of mast/fork carriage forward (α)/backward(β)	deg	α / β	6/10	6/10	6/10
	4.2	Height, mast lowered	mm	h1	1997	1997	2059
	4.3	Free lift	mm	h2	125	125	110
	4.4	Lift (with STD 2-stage mast)	mm	h3	3000	3000	3000
	4.5	Height, mast extended	mm	h4	3981	3981	3981
	4.7	Height to top of overhead guard	mm	h6	2100	2100	2100
	4.8	Seat height/stand height	mm	h7	1060	1060	1060
	4.12	Towing coupling height	mm	h10	290	290	290
	4.19	Overall length	mm	l1	3122	3122	3175
	4.2	Length to face of forks	mm	l2	2052	2052	2105
	4.21	Overall width	mm	b1	1150	1150	1150
	4.22	Fork dimensions	mm	s / e / l	35/100/1070	35/100/1070	40/120/1070
	4.23	Fork carriage ISO 2328. Class/type A, B			II A	II A	II A
	4.24	Fork carriage width	mm	b3	1040	1040	1040
	4.24a	Fork Spacing (min/max)	mm		200/1040	200/1040	240/1040
	4.31	Ground clearance, with load, below mast	mm	m1	100	100	100
	4.32	Ground clearance, centre of wheelbase	mm	m2	105	105	105
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	mm	Ast	3481	3481	3526
	4.34.1	Aisle width for pallets 800 x 1200 lengthways	mm	Ast	3681	3681	3726
	4.35	Turning radius	mm	Wa	1890	1890	1930
Performance	5.1	Travel speed, loaded / unloaded	km/h		13 / 15	13 / 15	13 / 15
	5.2	Lift speed, loaded / unloaded	mm/s		380/440	350/440	350/440
	5.3	Lowering speed, loaded / unloaded	mm/s		450/500	460/500	470/500
	5.6	Maximum drawbar pull, loaded / unloaded, 5 minute rating	N		13000 / 13000	14000 / 14000	14500 / 14500
	5.8	Maximum gradeability, loaded / unloaded, 5 minute rating	%		13 / 15	13 / 15	13 / 15
	5.10	Service brake			FOOT / HYD	FOOT / HYD	FOOT / HYD
		Parking brake			AUTO / EM	AUTO / EM	AUTO / EM
Electric	6.1	Drive motor rating S2 60 minute	kW		8	8	8
	6.2	Lifting motor rating at S3 15%	kW		11	11	11
	6.3	Battery type			Lead-acid	Lead-acid	Lead-acid
	6.4	Battery voltage/nominal capacity K	V/Ah		48/400	48/400	48/400
	6.5	Battery weight	kg		660	660	660
		Battery Compartment L/W/H	mm		398 / 980 / 760	398 / 980 / 760	398 / 980 / 760
Others	8.1	Type of drive control unit			Inverter AC	Inverter AC	Inverter AC
	10.1	Working press for attachments	bar	System	175	175	175
				Attachment	155	155	155
	10.7	Sound level at the driver's ear according to EN 12 053	dB (A)		73	73	73

* Please refer to the technical bulletin and contact your Doosan representative for more detail information of battery size.
This specification sheet to VDI guideline 2198 only gives the technical figures for the standard truck.
Different tires, other masts, additional equipment etc. could give different figures.

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

Model	Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height	Free lift	Tilt Angle		Load capacities
				w/ Load Backrest	w/ Load Backrest	Fwd	Bwd	LC 500mm
		mm	mm	mm	mm	deg	deg	kg
B15NS	STD	3000	1997	3981	125	6	10	1500
		3300	2147	4281	125	6	10	1500
		3500	2247	4481	125	6	10	1500
	FFT	4500	2120	5479	1163	6	6	1300
		4800	2220	5779	1263	6	6	1100
B18NS	STD	3000	1997	3981	125	6	10	1750
		3300	2147	4281	125	6	10	1750
		3500	2247	4481	125	6	10	1750
	FFT	4500	2120	5479	1163	6	6	1500
		4800	2220	5779	1263	6	6	1300
B20NSC	STD	3000	2059	3981	110	6	10	2000
		3300	2209	4281	110	6	10	2000
		3500	2309	4481	110	6	10	2000
	FFT	4500	2859	5479	1209	6	6	1600
		4800	3134	5779	1309	6	6	1400

Note : Mast Specifications & Rated capacities are based on standard chassis without side shifter.
Products and specifications are subject to improvement and change without prior notices.

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Doosan Corporation Industrial Vehicles
Web site : www.doosan-iv.com

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