

MAST SPECIFICATIONS and RATED CAPACITIES

B20NS, B25NS

Model	Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height		Free lift		Pneumatic Tire			Solid Soft Tire		
				w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest	Tilt Angle		Load Capacity	Tilt Angle		Load Capacity
		mm	mm	mm	mm	mm	mm	FWD	BWD	LC 500mm	FWD	BWD	LC 500mm
B20NS B25NS	STD	3,000	2,045	4,247	3,790	150	150	6	10	2,000	6	10	2,000
		3,300	2,195	4,547	4,090	150	150	6	10	2,000	6	10	2,000
		3,500	2,295	4,747	4,290	150	150	6	10	2,000	6	10	2,000
		4,000	2,595	5,347	4,890	150	150	6	6	2,000	6	6	2,000
		4,500	2,845	5,847	5,390	150	150	6	6	1,900	6	6	1,950
		5,000	3,095	6,347	5,890	150	150	6	6	1,700	6	6	1,800
	FF	2,930	2,015	4,194	3,737	810	1,345	6	10	2,000	6	10	2,000
		3,210	2,155	4,474	4,017	950	1,485	6	10	2,000	6	10	2,000
		3,580	2,205	4,849	4,392	1,000	1,535	6	10	1,900	6	10	1,920
	FFT	3,880	1,880	5,149	4,692	675	1,210	6	6	1,800	6	6	1,850
		4,270	2,005	5,554	5,097	800	1,335	6	6	1,780	6	6	1,790
		4,710	2,145	5,974	5,517	940	1,475	6	6	1,720	6	6	1,730
		5,540	2,495	6,799	6,342	1,290	1,825	6	6	1,510	6	6	1,550
		6,010	2,645	7,249	6,792	1,440	1,975	6	6	1,100	6	6	1,450

B30NS, B35NS

Model	Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height		Free lift		Pneumatic Tire			Solid Soft Tire		
				w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest	Tilt Angle		Load Capacity	Tilt Angle		Load Capacity
		mm	mm	mm	mm	mm	mm	FWD	BWD	LC 500mm	FWD	BWD	LC 500mm
B30NS B35NS	STD	3,000	2,045	4,247	3,790	150	150	6	10	3,000	6	10	3,000
		3,300	2,195	4,547	4,090	150	150	6	10	3,000	6	10	3,000
		3,500	2,295	4,747	4,290	150	150	6	10	3,000	6	10	3,000
		4,000	2,595	5,347	4,890	150	150	6	6	2,900	6	6	2,950
		4,500	2,845	5,847	5,390	150	150	6	4	2,750	6	4	2,800
		5,000	3,095	6,347	5,890	150	150	6	4	2,300	6	4	2,500
	FFL	2,930	2,015	4,194	3,737	810	1,345	6	10	3,000	6	10	3,000
		3,210	2,155	4,474	4,017	950	1,485	6	10	3,000	6	10	3,000
		3,580	2,205	4,849	4,392	1,000	1,535	6	10	3,000	6	10	3,000
	FFT	3,880	1,880	5,149	4,692	675	1,210	6	6	2,800	6	6	2,850
		4,270	2,005	5,554	5,097	800	1,335	6	6	2,700	6	6	2,750
		4,710	2,145	5,974	5,517	940	1,475	6	4	2,600	6	4	2,650
		5,540	2,495	6,799	6,342	1,290	1,825	6	4	2,100	6	4	2,400
		6,010	2,645	7,249	6,792	1,440	1,975	6	4	1,500	6	4	2,200

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.



Doosan Industrial Vehicle UK
12 Kilvey Road
Northampton
NN4 7BQ

Tel.: 01604 825 600
Website : www.doosanift.com

Authorized Dealer

B25X7-200831ENV1 (August 2020)

B20NS /B25NS / B30NS / B35NS

NXE SERIES FORKLIFTS

Electric 2.0 to 3.5 tonne capacity 4-wheel





Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer			DOOSAN	DOOSAN	DOOSAN	DOOSAN
	1.2	Manufacturer's type designation			B20NS	B25NS	B30NS	B35NS
	1.3	Drive			Electric	Electric	Electric	Electric
	1.4	Operator typer			Seated	Seated	Seated	Seated
	1.5	Load capacity/rated load kg(lb)	kg	Q	2,000	2,500	3,000	3,500
	1.6	Load centre distance	mm	c	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	mm	x	457	457	457	462
	1.9	Wheelbase	mm	y	1,560	1,560	1,710	1,710
Weight	2.1	Service weight (with min. weight of battery)	kg		3,810	4,150	4,360	5,230
	2.2	Axle loading, loaded front/rear	kg		5,190/620	5,979/671	6,500/860	7,760/970
	2.3	Axle loading, unloaded front/rear	kg		1,658/2,152	1,830/2,320	1,882/2,478	2,288/2,942
Tyres	3.1	Tires: pneumatic (P), superelastic (SE), cushion (C) SE			P / SE	P / SE	P / SE	SE
	3.2	Tire size, front			23X9-10	23X9-10	23X10-12	23X10-12
	3.3	Tire size, rear			18X7-8	18X7-8	18X7-8	18X7-8
	3.5	Wheels, number front/rear (x=driven wheels)			2X/2	2X/2	2X/2	2X/2
	3.6	Tread width, front	mm	b10	1,019	1,019	1,014	1,014
	3.7	Tread width, rear	mm	b11	995	995	995	995
Dimensions	4.1	Tilt of mast/fork carriage forward (α)/backward(β)	deg	α / β	6 / 10	6 / 10	6 / 10	6 / 10
	4.2	Height, mast lowered	mm	h1	2,045	2,045	2,045	2,045
	4.3	Free lift	mm	h2	150	150	150	150
	4.4	Lift (with STD 2-stage mast)	mm	h3	3,000	3,000	3,000	3,000
	4.5	Height, mast extended	mm	h4	4,247	4,247	4,247	4,252
	4.7	Height to top of overhead guard	mm	h6	2,180	2,180	2,180	2,180
	4.8	Seat height/stand height	mm	h7	1,183	1,183	1,183	1,183
	4.12	Towing coupling height	mm	h10	360	360	360	360
	4.19	Overall length	mm	l1	3,360	3,400	3,570	3,600
	4.20	Length to face of forks	mm	l2	2,310	2,350	2,520	2,550
	4.21	Overall width	mm	b1	1,244	1,244	1,244	1,244
	4.22	Fork dimensions	mm		45/100/1,050	45/100/1,050	45/122/1,050	50/122/1,050
	4.23	Fork carriage ISO 2328. Class/type A, B			II	II	III	III
	4.24	Fork carriage width	mm	b3	1,102	1,102	1,116	1,116
	4.24a	Fork Spacing (min/max)	mm		250/1,032	250/1,032	272/1,104	272/1,104
	4.31	Ground clearance, with load, below mast	mm	m1	140	140	140	140
	4.32	Ground clearance, centre of wheelbase	mm	m2	125	125	125	125
	4.34.1	Aisle width for pallets 1,000 x 1,200 crossways	mm	Ast	3,697	3,717	3,957	3,962
	4.34.2	Aisle width for pallets 800 x 1,200 lengthways	mm	Ast	3,897	3,917	4,157	4,162
Performance	4.35	Turning radius	mm	Wa	2,040	2,060	2,300	2,300
	4.36	Internal turning radius	mm	b13	650	650	677	677
	5.1	Travel speed, loaded / unloaded	km/h		14/15	14/15	14/15	14/15
	5.2	Lift speed, loaded / unloaded	mm/s		320/450	300/450	280/400	250/400
	5.3	Lowering speed, loaded / unloaded	mm/s		500/460	500/460	380/365	380/365
	5.6	Maximum drawbar pull, loaded / unloaded, 5 minute rating	N		10,910/10,500	1,0910/10,700	14,460/13,560	14,460/13,860
	5.8	Maximum gradeability, loaded / unloaded, 5 minute rating	%		15 / 27	15 / 25	15 / 27	15 / 25
	5.10	Service brake			Electric	Electric	Electric	Electric
Electric engine		Parking brake			Mech/EPB	Mech/EPB	Mech/EPB	Mech/EPB
	6.1	Drive motor rating S2 60 minute	kW		11/9	11/9	16.6/12	16.6/12
	6.2	Lifting motor rating at S3 15%	kW		12/14	12/14	13.5/16	13.5/16
		Battery type			Lead-acid	Lead-acid	Lead-acid	Lead-acid
	6.3	Battery Compartment L/W/H	mm		570x1,028x755	570x1,028x755	710x1,028x745	710x1,028x745
	6.4	Battery voltage/nominal capacity K	V/Ah		48/600	48/600	80/420	80/480
	6.5	Battery weight	kg		1,000	1,000	1,582	1,582
	8.1	Type of drive control unit			AC	AC	AC	AC
Additional data	10.1	Working press for attachments	bar	System	200	200	200	200
	10.7	Sound level at the driver's ear according to EN 12 053	dB (A)	Attachment	200	200	200	200

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

DIMENSIONAL DRAWING

