

MAST SPECIFICATION and RATED CAPACITIES

Model	Mast Type	Max. Fork Height		Mast Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities								
										Tilt Angle				Load Capacities				
										Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.		
										FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in	
mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	lb	kg	lb			
D20NX / D20NXP	STD	3,000	118	2,045	81	4,247	167	150	6	6	10	6	10	2,000	4,000	2,000	4,000	
		3,300	130	2,195	86	4,547	179	150	6	6	10	6	10	2,000	4,000	2,000	4,000	
		3,500	138	2,295	90	4,747	187	150	6	6	10	6	10	2,000	4,000	2,000	4,000	
		4,000	157	2,595	102	5,347	211	150	6	6	6	6	6	2,000	4,000	2,000	4,000	
		4,500	177	2,845	112	5,847	230	150	6	6	6	6	6	2,000	4,000	2,000	4,000	
		5,000	197	3,095	122	6,347	250	150	6	6	6	6	6	2,000	4,000	2,000	4,000	
	FF	3,210	126	2,155	85	4,474	176	950	37	6	10	6	10	2,000	4,000	2,000	4,000	
		FFT	4,270	168	2,005	79	5,554	219	800	31	6	6	6	6	2,000	4,000	2,000	4,000
			4,710	185	2,145	84	5,974	235	940	37	6	6	6	6	1,950	3,950	2,000	4,000
			5,540	218	2,495	98	6,799	268	1,290	51	6	4	6	4	1,800	3,650	1,870	3,800
			5,990	236	2,645	104	7,249	285	1,440	57	6	4	6	4	1,300	2,650	1,800	3,650
D25NX / D25NXP	STD	3,000	118	2,045	81	4,247	167	150	6	6	10	6	10	2,500	5,000	2,500	5,000	
		3,300	130	2,195	86	4,547	179	150	6	6	10	6	10	2,500	5,000	2,500	5,000	
		3,500	138	2,295	90	4,747	187	150	6	6	10	6	10	2,500	5,000	2,500	5,000	
		4,000	157	2,595	102	5,347	211	150	6	6	6	6	6	2,500	5,000	2,500	5,000	
		4,500	177	2,845	112	5,847	230	150	6	6	6	6	6	2,500	5,000	2,500	5,000	
		5,000	197	3,095	122	6,347	250	150	6	6	6	6	6	2,500	5,000	2,500	5,000	
	FF	3,210	126	2,155	85	4,474	176	950	37	6	10	6	10	2,500	5,000	2,500	5,000	
		FFT	4,270	168	2,005	79	5,554	219	800	31	6	6	6	6	2,400	4,850	2,450	5,000
			4,710	185	2,145	84	5,974	235	940	37	6	6	6	6	2,300	4,625	2,350	4,800
			5,540	218	2,495	98	6,799	268	1,290	51	6	4	6	4	1,900	3,875	2,200	4,325
			5,990	236	2,645	104	7,249	285	1,440	57	6	4	6	4	1,400	2,875	2,100	4,250
D30NX / D30NXP	STD	3,000	118	2,045	81	4,247	167	150	6	6	10	6	10	3,000	6,000	3,000	6,000	
		3,300	130	2,195	86	4,547	179	150	6	6	10	6	10	3,000	6,000	3,000	6,000	
		3,500	138	2,295	90	4,747	187	150	6	6	10	6	10	3,000	6,000	3,000	6,000	
		4,000	157	2,595	102	5,347	211	150	6	6	6	6	6	3,000	6,000	3,000	6,000	
		4,500	177	2,845	112	5,847	230	150	6	6	4	6	4	2,950	6,000	3,000	6,000	
		5,000	197	3,095	122	6,347	250	150	6	6	4	6	4	2,800	5,675	2,800	5,675	
	FF	3,210	126	2,155	85	4,474	176	950	37	6	10	6	10	3,000	6,000	3,000	6,000	
		FFT	4,270	168	2,005	79	5,554	219	800	31	6	6	6	6	2,800	5,675	2,900	5,875
			4,710	185	2,145	84	5,974	235	940	37	6	4	6	4	2,650	5,375	2,800	5,675
			5,540	218	2,495	98	6,799	268	1,290	51	6	4	6	4	2,000	4,000	2,600	5,300
			5,990	236	2,645	104	7,249	285	1,440	57	6	4	6	4	1,500	3,075	2,450	5,000
D33NX / D33NXP	STD	3,000	118	2,045	81	4,252	167	150	6	6	10	6	10	3,300	6,600	3,300	6,600	
		3,300	130	2,195	86	4,552	179	150	6	6	10	6	10	3,300	6,600	3,300	6,600	
		3,500	138	2,295	90	4,752	187	150	6	6	10	6	10	3,300	6,600	3,300	6,600	
		4,000	157	2,595	102	5,352	211	150	6	6	6	6	6	3,300	6,600	3,300	6,600	
		4,500	177	2,845	112	5,852	230	150	6	6	4	6	4	3,220	6,375	3,220	6,375	
		5,000	197	3,095	122	6,352	250	150	6	6	4	6	4	2,900	5,825	3,050	6,125	
	FF	3,210	126	2,155	85	4,479	176	950	37	6	10	6	10	3,300	6,600	3,300	6,600	
		FFT	4,270	168	2,005	79	5,559	219	800	31	6	6	6	6	3,050	6,125	3,050	6,125
			4,710	185	2,145	84	5,979	235	940	37	6	4	6	4	2,900	5,825	2,950	5,950
			5,540	218	2,495	98	6,804	268	1,290	51	6	4	6	4	2,100	4,250	2,750	5,575
			5,990	236	2,645	104	7,254	286	1,440	57	6	4	6	4	1,600	3,250	2,600	5,325
D35NX / D35NXP	STD	3,000	118	2,045	81	4,252	167	150	6	6	10	6	10	3,500	7,000	3,500	7,000	
		3,300	130	2,195	86	4,552	179	150	6	6	10	6	10	3,500	7,000	3,500	7,000	
		3,500	138	2,295	90	4,752	187	150	6	6	10	6	10	3,500	7,000	3,500	7,000	
		4,000	157	2,595	102	5,352	211	150	6	6	6	6	6	3,500	7,000	3,500	7,000	
		4,500	177	2,845	112	5,852	230	150	6	6	4	6	4	3,360	6,850	3,350	6,850	
		5,000	197	3,095	122	6,352	250	150	6	6	4	6	4	3,000	6,000	3,200	6,500	
	FF	3,210	126	2,155	85	4,479	176	950	37	6	10	6	10	3,500	7,000	3,500	7,000	
		FFT	4,270	168	2,005	79	5,559	219	800	31	6	6	6	6	3,210	6,325	3,200	6,425
			4,710	185	2,145	84	5,979	235	940	37	6	4	6	4	3,100	6,175	3,100	6,175
			5,540	218	2,495	98	6,804	268	1,290	51	6	4	6	4	2,200	4,325	2,880	5,750
			5,990	236	2,645	104	7,254	286	1,440	57	6	4	6	4	1,700	3,350	2,750	5,575



D20NX / D25NX / D30NX / D33NX / D35NX
 D20NXP / D25NXP / D30NXP / D33NXP / D35NXP

NX SERIES FORKLIFTS

Pneumatic 2.0 to 3.5 ton (4000 to 7000 lb) capacity



2019 June



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

AUTHORIZED DEALER

Product and specifications are subjected to improvement and change without notice.
 Performance data and dimensions are nominal and subject to tolerances.

Technical Data according to VDI 2198

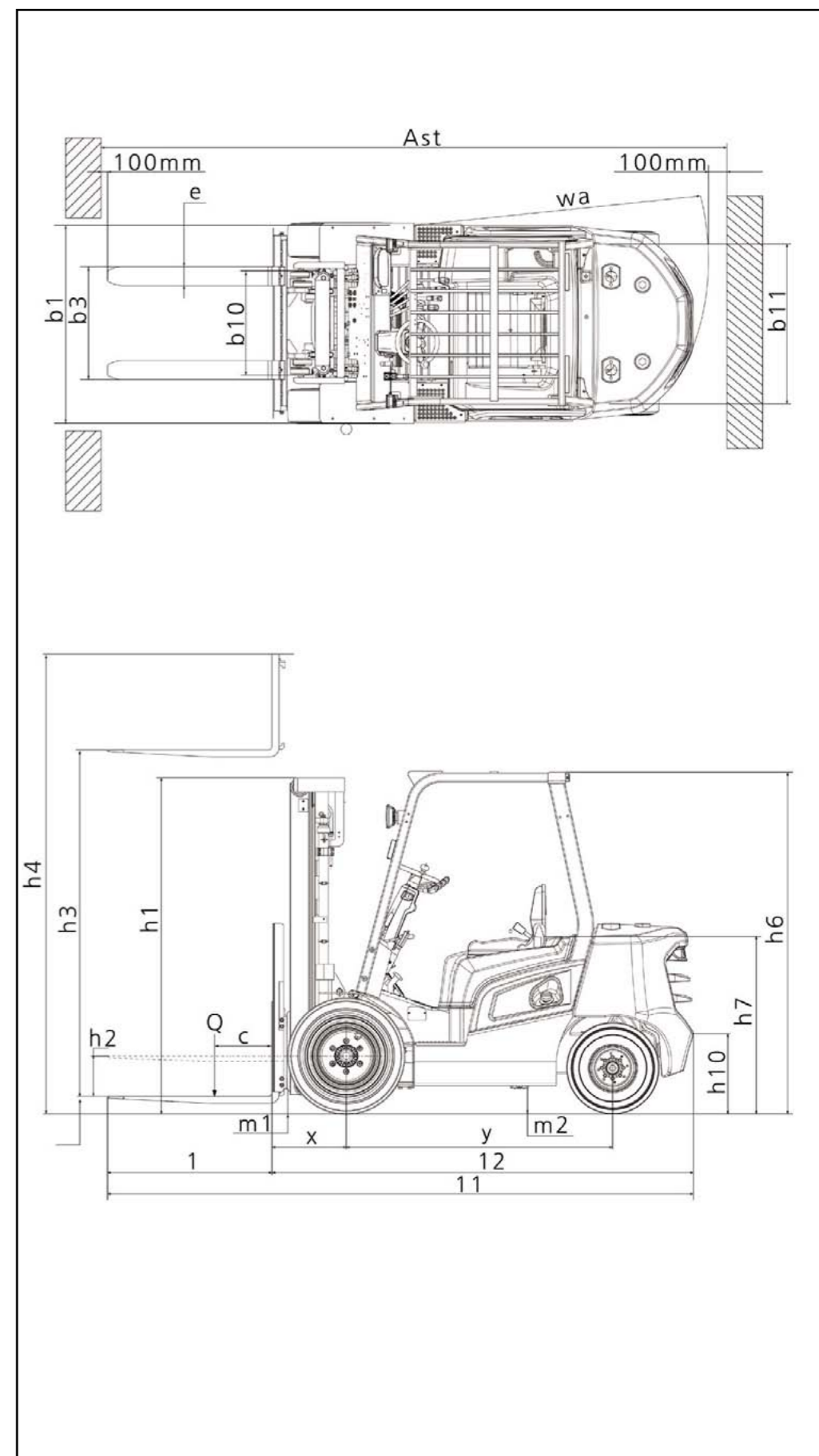
D20/25/30/33/35NXP - Complied with Euro Stage IIIA or EPA Interim Tier IV

Characteristics	1.1		DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
	1.2	Manufacturer		D20NXP	D25NXP	D30NXP	D33NXP
1.3	Model designation		Autoshift	Autoshift	Autoshift	Autoshift	Autoshift
	Transmission type		Diesel	Diesel	Diesel	Diesel	Diesel
1.4	Operator type : Hand, Pedestrian, Standing, Seated, Order-picker		Seated	Seated	Seated	Seated	Seated
1.5	Load capacity	kg	2000	2500	3000	3300	3500
1.6	Load Center	mm	500	500	500	500	500
1.8	Load distance, centre of drive axle to fork	x mm	477	477	482	487	487
1.9	Wheelbase	y mm	1700	1700	1700	1700	1700
2.1	Service weight	kg	3635	3920	4385	4585	4685
	2.2	Axle Loading, Laden Front/Rear	kg	4925/710	5560/860	6475/910	6935/950
2.3	Axle Loading, Unladen Front/Rear	kg	1705/1930	1720/2200	1785/2600	1720/2865	1650/3035
3.1	Tyres: pneumatic (P), superelastic (SE), cushion (C)		P	P	P	P	P
3.2	Tyre size, Front		28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR
3.3	Tyre size, Rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
3.5	Wheels, number Front/Rear (x = driven wheels)		x2/2	x2/2	x2/2	x2/2	x2/2
3.6	Tread, Front	b11 mm	1,060	1,060	1,060	1,060	1,060
3.7	Tread, Rear	b12 mm	980	980	980	980	980
4.1	Tilt of Mast/Fork carriage Forward/Backward	α / β deg	6/10	6/10	6/10	6/10	6/10
	4.2	Height, Mast lowered	h1 mm	2045	2045	2045	2045
4.3	Free lift	h2 mm	150	150	150	150	150
4.4	Lift (with STD 2-stage mast)	h3 mm	3,000	3,000	3,000	3,000	3,000
4.5	Height, Mast Extended	h4 mm	4,247	4,247	4,247	4,252	4,252
4.7	Height of Overhead Guard(Cabin)	h6 mm	2,160	2,160	2,160	2,160	2,160
4.8	Height of Seat	h7 mm	1,185	1,185	1,185	1,185	1,185
4.19	Overall Length	l1 mm	3,610	3,660	3,715	3,780	3,800
4.20	Length to Forkface	l2 mm	2,560	2,610	2,665	2,730	2,750
4.21	Overall Width	b1/b2 mm	1,290	1,290	1,290	1,290	1,290
4.22	Fork dimensions	s/e/l mm	45x100x1050	45x100x1050	45x122x1050	50x125x1050	50x125x1050
4.23	Fork carriage ISO 2328, class/type A,B		II	II	III	III	III
4.24	Fork carriage width	b3 mm	1042	1042	1042	1042	1042
4.31	Ground Clearance, laden, below mast	m1 mm	132	132	132	132	132
4.32	Ground Clearance, center of wheelbase	m2 mm	135	135	135	135	135
4.33	Aisle with for pallets 1,000 x 1,200 crossways	Ast mm	3935	3980	4100	4135	4160
4.34	Aisle with for pallets 800 x 1,200 lengthways	Ast mm	4210	4250	4300	4350	4380
4.35	Turning radius	Wa mm	2280	2330	2415	2460	2480
4.36	Internal Turning Radius	b13 mm	735	735	735	735	735
5.1	Travel Speed, Laden/Unladen	km/h	20/21	20/21	20/21	20/21	20/21
	5.2	Lift Speed, Laden/Unladen	mm/sec	580/600	570/600	560/600	480/500
5.3	Lowering Speed, Laden/Unladen	mm/sec	485/560	485/560	485/560	470/495	470/495
5.5	Drawbar pull, Laden/Unladen(@ 1.6km/h)	N	17,951/17,296	17,758/17,226	17,522/17,112	17,400/17,060	17,326/17,038
5.6	Max. Drawbar pull, Laden/Unladen	N	21,085/20,060	20,893/19,990	20,655/19,876	20,530/19,820	20,461/19,803
5.7	Gradeability, Laden/Unladen(@ 1.6km/h)	%	34/55	29.4/50	24.5/43	23/41	22/39
5.8	Max. Gradeability, Laden/Unladen	%	41/66	32/60	28/50	26/47	25/45
5.10	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
7.1	Engine Manufacturer/type		YANMAR/4TNE98	YANMAR/4TNE98	YANMAR/4TNE98	YANMAR/4TNE98	YANMAR/4TNE98
	7.2	Engine power according to DIN ISO1585	kw	43.7	43.7	43.7	43.7
7.3	Rated speed	min-1	2300	2300	2300	2300	2300
7.3.1	Torque at 1/min	N-m	181@1,600	181@1,600	181@1,600	181@1,600	181@1,600
7.4	Number of Cylinders/Displacement	-/cm ³	4/4/3,319	4/4/3,319	4/4/3,319	4/4/3,319	4/4/3,319
7.10	Battery Voltage/normal capacity	V/Ah	12/90	12/90	12/90	12/90	12/90
10.1	Operating pressure for attachments	bar	160	160	160	160	160
10.2	Oil volume for attachments	L/min	65	65	65	65	65
10.4	Fuel Tank Capacity	L	70	70	70	70	70
10.7	Sound level at the driver's ear according to EN 12 053	db(A)	86	86	86	86	86

D20/25/30/33/35NXP

DOOSAN		DOOSAN		DOOSAN		DOOSAN	
D20NX		D25NX		D30NX		D33NX	
Power shift	Manual	Power shift	Manual	Power shift	Manual	Power shift	Manual
Diesel		Diesel		Diesel		Diesel	
Seated		Seated		Seated		Seated	
2000		2500		3000		3300	
500		500		500		500	
467		467		472		477	
1700		1700		1700		1700	
3635		3920		4385		4585	
4925/710		5560/860		6475/910		6935/950	
1705/1930		1720/2200		1785/2600		1720/2865	
P		P		P		P	
28x9-15-14PR		28x9-15-14PR		28x9-15-14PR		28x9-15-14PR	
6.50-10-10PR		6.50-10-10PR		6.50-10-10PR		6.50-10-10PR	
x2/2		x2/2		x2/2		x2/2	
1060		1060		1060		1060	
980		980		980		980	
6/10		6/10		6/10		6/10	
2045		2045		2045		2045	
150		150		150		150	
3000		3000		3000		3000	
4247		4247		4247		4252	
2160		2160		2160		2160	
1185		1185		1185		1185	
3610		3660		3715		3780	
2560		2610		2665		2730	
1290		1290		1290		1290	
45x100x1050		45x100x1050		45x122x1050		50x125x1050	
II		II		III		III	
1042		1042		1042		1042	
132		132		132		132	
135		135		135		135	
3935		3980		4100		4135	
4210		4250		4300		4350	
2275		2325		2410		2455	
735		735		735		735	
20/21		20/21		20/21		20/21	
560/600		560/600		560/600		480/500	
485/560		485/560		485/560		470/495	
19,223/18,482	19,533/18,872	19,030/18,412	19,230/18,535	18,844/18,347	18,958/18,498	18,721/18,298	18,8852/18,387
22,456/21,339	22,723/21,651	22,264/21,269	22,264/21,534	22,078/21,205	22,167/21,355	21,954/21,155	22,006/21,287
37/60	39/63	31/54	31/54	27/50	28/52	26/47	27/49
44/74	46/76	37/65	37/65	33/60	35/62	30/56	32/57
Hydraulic		Hydraulic		Hydraulic		Hydraulic	
Weichai WP 3.2		Weichai WP 3.2		Weichai WP 3.2		Weichai WP 3.2	
36.8		36.8		36.8		36.8	
2500		2500		2500		2500	
200@1,700		200@1,700		200@1,700		200@1,700	
4/4/3,200		4/4/3,200		4/4/3,200		4/4/3,200	
12/65		12/65		12/65		12/65	
160		160		160		160	
65		65		65		65	
70		70		70		70	
86		86		86		86	

Dimensional Drawing



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