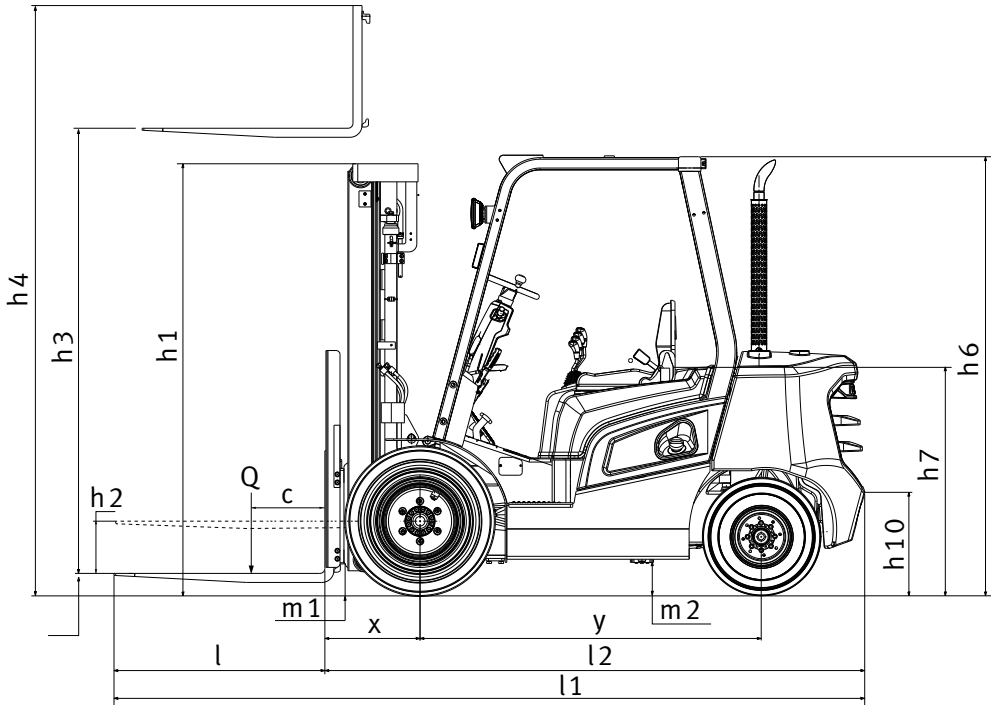
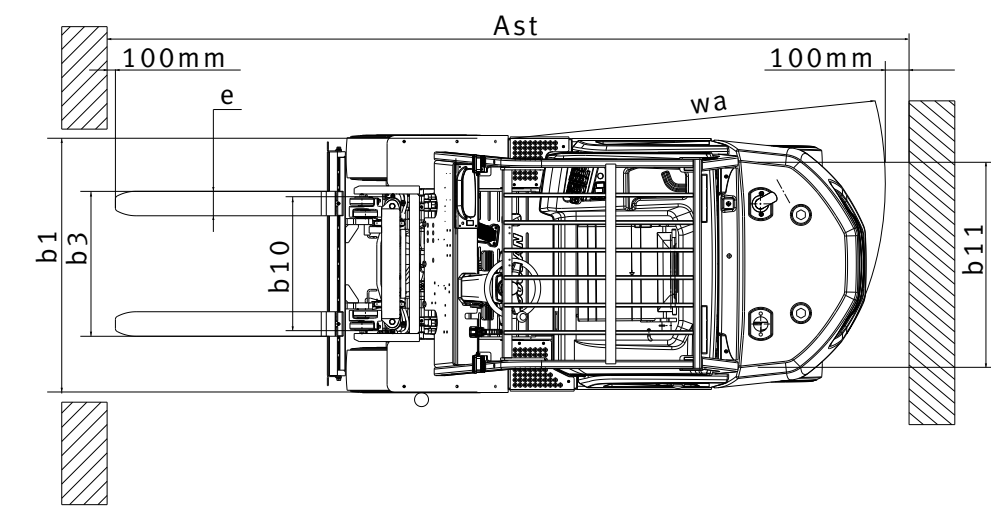


Dimensional Drawing



D25NX(M)-221219V1EN (December 2022)

DOOSAN

Doosan Industrial Vehicle Europe N.V.
Europark-Noord 36A
9100 Sint-Niklaas
Belgium

Website : www.doosaniv.com

Authorized Dealer

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	
				With Load Backrest	With Load Backrest	Single Pneu.		Double Pneu.		Single Pneu. LC 500mm	Double Pneu. LC 500mm
						FWD deg	BWD deg	FWD deg	BWD deg		
D20NX(M)	STD	mm	mm	mm	mm					kg	kg
		3,000	2,045	4,247	150	6	10	6	10	2,000	2,000
		3,300	2,195	4,547	150	6	10	6	10	2,000	2,000
		3,500	2,295	4,747	150	6	10	6	10	2,000	2,000
		4,000	2,595	5,347	150	6	6	6	6	2,000	2,000
	FFT	4,500	2,845	5,847	150	6	6	6	6	2,000	2,000
		5,000	3,095	6,347	150	6	6	6	6	2,000	2,000
		3,210	2,155	4,474	950	6	10	6	10	2,000	2,000
		4,270	2,005	5,554	800	6	6	6	6	2,000	2,000
		4,710	2,145	5,974	940	6	6	6	6	1,950	2,000
D25NX(M)	STD	5,540	2,495	6,799	1,290	6	6	6	6	1,800	1,870
		6,010	2,645	7,249	1,440	6	6	6	6	1,300	1,800
		3,000	2,045	4,247	150	6	10	6	10	2,500	2,500
		3,300	2,195	4,547	150	6	10	6	10	2,500	2,500
		3,500	2,295	4,747	150	6	10	6	10	2,500	2,500
	FFT	4,000	2,595	5,347	150	6	6	6	6	2,500	2,500
		4,500	2,845	5,847	150	6	6	6	6	2,500	2,500
		5,000	3,095	6,347	150	6	6	6	6	2,500	2,500
		3,210	2,155	4,474	950	6	10	6	10	2,500	2,500
		4,270	2,005	5,554	800	6	6	6	6	2,400	2,450
D30NX(M)	STD	4,710	2,145	5,974	940	6	6	6	6	2,300	2,350
		5,540	2,495	6,799	1,290	6	6	6	6	1,900	2,200
		6,010	2,645	7,249	1,440	6	6	6	6	1,400	2,100
		3,000	2,045	4,247	150	6	10	6	10	3,000	3,000
		3,300	2,195	4,547	150	6	10	6	10	3,000	3,000
	FFT	3,500	2,295	4,747	150	6	10	6	10	3,000	3,000
		4,000	2,595	5,347	150	6	6	6	6	3,000	3,000
		4,500	2,845	5,847	150	6	4	6	4	2,950	3,000
		5,000	3,095	6,347	150	6	4	6	4	2,800	2,800
		3,210	2,155	4,474	950	6	10	6	10	3,000	3,000
D33NX(M)	STD	4,270	2,005	5,554	800	6	6	6	6	2,850	2,950
		4,710	2,145	5,974	940	6	4	6	4	2,700	2,850
		5,540	2,495	6,799	1,290	6	4	6	4	2,000	2,600
		6,010	2,645	7,249	1,440	6	4	6	4	1,500	2,450
		3,000	2,045	4,252	150	6	10	6	10	3,300	3,300
	FFT	3,300	2,195	4,552	150	6	10	6	10	3,300	3,300
		3,500	2,295	4,752	150	6	10	6	10	3,300	3,300
		4,000	2,595	5,352	150	6	6	6	6	3,300	3,300
		4,500	2,845	5,852	150	6	4	6	4	3,220	3,250
		5,000	3,095	6,352	150	6	4	6	4	2,900	3,050
D35NX(M)	STD	3,210	2,155	4,479	950	6	10	6	10	3,300	3,300
		4,270	2,005	5,559	800	6	6	6	6	3,050	3,050
		4,710	2,145	5,979	940	6	4	6	4	2,900	2,950
		5,540	2,495	6,804	1,290	6	4	6	4	2,100	2,750
		6,010	2,645	7,254	1,440	6	4	6	4	1,600	2,600
	FFT	3,000	2,045	4,252	150	6	10	6	10	3,500	3,500
		3,300	2,195	4,552	150	6	10	6	10	3,500	3,500
		3,500	2,295	4,752	150	6	10	6	10	3,500	3,500
		4,000	2,595	5,352	150	6	6	6	6	3,500	3,500
		4,500	2,845	5,852	150	6	4	6	4	3,360	3,370
D38NX(M)	STD	5,000	3,095	6,352	150	6	4	6	4	3,000	3,200
		3,210	2,155	4,479	950	6	10	6	10	3,500	3,500
		4,270	2,005	5,559	800	6	6	6	6	3,230	3,280
		4,710	2,145	5,979	940	6	4	6	4	3,100	3,150
		5,540	2,495	6,804	1,290	6	4	6	4	2,250	2,900
	FFT	6,010	2,645	7,254	1,440	6	4	6	4	1,700	2,750
		3,000	2,045	4,252	150	6	10	6	10	3,800	3,800
		3,300	2,195	4,552	150	6	10	6	10	3,800	3,800
		3,500	2,295	4,752	150	6	10	6	10	3,800	3,800
		4,000	2,595	5,352	150	6	6	6	6	3,800	3,800

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

DOOSAN

D20NX(M) / D25NX(M) / D30NX(M) / D33NX(M) / D35NX(M) / D38NX(M)

NX SERIES FORKLIFTS

Pneumatic 2.0 to 3.5 ton capacity



Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer			DOOSAN		DOOSAN		DOOSAN		DOOSAN		DOOSAN		DOOSAN		DOOSAN	
	1.2	Model designation			D20NX(M)		D25NX(M)		D30NX(M)		D33NX(M)		D35NX(M)		D38NX(M)		D35NX(M)	
		Transmission Type			Power shift	Manual	Power shift	Manual	Power shift	Manual	Power shift	Manual	Power shift	Manual	Power shift	Manual	Power shift	Manual
	1.3	Drive : Diesel, Gasoline, LP			Diesel		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
	1.4	Operator type : stand-on, rider-seated			rider-seated		rider-seated		rider-seated		rider-seated		rider-seated		rider-seated		rider-seated	
	1.5	Load capacity		kg	2000		2500		3000		3300		3500		3800		3500	
	1.6	Load Center		mm	500		500		500		500		500		500		500	
	1.8	Load distance, centre of drive axle to fork	x	mm	467		467		467		472		472		472		472	
	1.9	Wheelbase	y	mm	1700		1700		1700		1700		1750		1750		1750	
Weight	2.1	Service weight		kg	3635		3920		4370		4470		4620		4900		4620	
	2.2	Axle loading, loaded front/rear		kg	4925/710		5560/860		6460/910		6820/950		7140/980		7685/1015		7140/980	
	2.3	Axle loading, unloaded front/rear		kg	1705/1930		1720/2200		1770/2600		1700/2770		1650/2970		1630/3270		1650/2970	
Tyres	3.1	Tires: C=cushion, P=pneumatic			P		P		P		P		P		E/P		P	
	3.2	Tire size, front			28x9-15-14PR		28x9-15-14PR		28x9-15-14PR		28x9-15-14PR		28x9-15-14PR		28x9-15-14PR		28x9-15-14PR	
	3.3	Tire size, rear			6.50-10-10PR		6.50-10-10PR		6.50-10-10PR		6.50-10-10PR		6.50-10-10PR		6.50-10-10PR		6.50-10-10PR	
Dimensions	3.5	Wheels, number front/rear (x=driven wheels)			x2/2		x2/2		x2/2		x2/2		x2/2		x2/2		x2/2	
	3.6	Tread width, front/rear	b10/b11	mm	1060/980		1060/980		1060/980		1060/980		1060/980		1060/980		1060/980	
	4.1	Tilt of mast/fork carriage forward (α)/backward(β)	α / β	deg	6/10		6/10		6/10		6/10		6/10		6/10		6/10	
	4.2	Height, mast lowered	h1	mm	2053		2053		2053		2053		2053		2053		2053	
	4.3	Free lift	h2	mm	150		150		150		150		150		150		150	
	4.4	Lift (with STD 2-stage mast)	h3	mm	3000		3000		3000		3000		3000		3000		3000	
	4.5	Height, mast extended	h4	mm	4280		4280		4280		4280		4280		4280		4280	
	4.7	Height to top of overhead guard	h6	mm	2160		2160		2160		2160		2160		2160		2160	
	4.8	Seat height/stand height	h7	mm	1185		1185		1185		1185		1185		1185		1185	
	4.19	Overall length	l1	mm	3610		3660		3715		3780		3800		4000		3800	
	4.20	Length to face of forks	l2	mm	2560		2610		2665		2730		2750		2950		2750	
	4.21	Overall width	b1	mm	1290		1290		1290		1290		1290		1290		1290	
	4.22	Fork dimensions	s/e/l	mm	45x100x1050		45x100x1050		45x122x1050		50x122x1050		50x122x1050		50x122x1050		50x122x1050	
	4.23	Fork carriage ISO 2328. Class/type A, B			II		II		III		III		III		III		III	
	4.24	Fork carriage width	b3	mm	1032		1032		1046		1046		1046		1046		1046	
	4.31	Ground clearance, with load, below mast CLEARANCE	m1	mm	132		132		132		132		132		132		132	
	4.32	Ground clearance, centre of wheelbase	m2	mm	135		135		135		135		135		135		135	
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast	mm	3970		4020		4110		4155		4180		4430		4180	
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	4230		4270		4310		4350		4400		4680		4400	
4.35	Turning radius	Wa	mm	2300		2350		2430		2450		2500		2550		2500		
4.36	Internal Turning Radius	b13	mm	170		170		170		170		170		170		170		
Performance data	5.1	Travel speed, loaded / unloaded		km/hr	19.5/21	19/20	19.5/21	19/20	19.5/21	19/20	19.5/21	19/20	19.5/21	19/20	19/20.5	18/19	19/20.5	19/20
	5.2	Lift speed, loaded / unloaded		mm/s	560/600	560/600	560/600	560/600	560/600	560/600	460/490	460/490	460/490	460/490	520/500	460/490	520/500	520/500
	5.3	Lowering speed, loaded / unloaded		mm/s	485/560	485/560	485/560	485/560	485/560	485/560	410/460	410/460	410/460	410/460	410/460	410/460	410/460	410/460
	5.5	Drawbar pull, Laden/Unladen(@ 1.6km/h)		N	15965/15436	16632/16063	15779/15367	16436/15995	15544/15249	16201/15877	15416/15200	16083/15828	15347/15181	16005/15808	15191/15092	15848/15721	18309/17946	19084/18692
	5.6	Max. Drawbar pull, Laden/Unladen		N	18888/18015	19790/18848	18701/17946	19594/18780	18466/17829	19358/18662	18338/17780	19231/18613	18270/17760	15632/18593	18113/17681	19005/18505	21506/20780	22536/21741
	5.7	Gradeability, Laden/Unladen(@ 1.6km/h)		%	30.2/48	31.6/50.5	25.9/43.6	27/45.7	22/37.9	23/39.7	20.4/35.9	21.3/37.6	19.5/35.1	20.4/36.7	17.8/32.2	18.6/33.6	23.5/42.6	24.5/44.6
	5.8	Max. Gradeability, Laden/Unladen		%	36.4/58.6	38.3/62.3	31/52.8	32.7/56	26.4/45.6	27.7/48.2	24.4/43	25.7/45.5	23.4/42	24.6/44.4	21.4/38.5	22.5/40.4	27.8/50.8	29.3/54
	5.10	Service brake			foot/hyd		foot/hyd		foot/hyd		foot/hyd		foot/hyd		foot/hyd		foot/hyd	
Combustion engine	7.1	Engine Manufacturer/type			Quanchai / CR 493		Quanchai / CR 493		Quanchai / CR 493		Quanchai / CR 493		Quanchai / CR 493		Quanchai / CR 498		Quanchai / CR 498	
	7.2	Engine power according to DIN ISO1585		kw	36.7		36.7		36.7		36.7		36.7		46		46	
	7.3	Rated speed		min-1	2500		2500		2500		2500		2500		2500		2500	
	7.3.1	Torque at 1/min		N-m	175/1800		175/1800		175/1800		175/1800		175/1800		190~200/1800		190~200/1800	
	7.4	Number of Cylinders/Displacement		cc	4/4/2850		4/4/2850		4/4/2850		4/4/2850		4/4/2850		4/4/3170		4/4/3170	
Addition	7.10	Battery Voltage / normal capacity		V/AH	12/90		12/90		12/90		12/90		12/90		12/90		12/90	
	10.1	Operating pressure for Systems / attachments		Bar	210/160		210/160		210/160		210/160		210/160		210/160		210/160	
	10.2	Oil volume for attachment		L/min	65		65		65		65		70		65		70	
	10.4	Fuel Tank Capacity		L	70		70		70		70		70		70		70	
	10.7	Sound level at t he driver's ear according to EN 12 053		db(A)	87		87		87		87		87		90		90	