



D20NXP / D25NXP / D30NXP / D33NXP / D35NXP

## NX SERIES FORKLIFTS

Diesel 2.0 to 3.5 ton capacity





Everything has been changed, just except for the price

## Experience the fully increased value of NX SERIES

The new NX Series offering outstanding power, durability and operator comfort realizes customer satisfaction through providing the best productivity and convenience in various industrial applications.

### NEW STYLISH DESIGN

- Leg room is enlarged by about **30%** than previous model.
- Clearance & angle of accel & brake pedals are improved to decrease fatigue of ankle.
- Compact steering wheel allows quick control and reduces wrist fatigue.
- Mast visibility has improved by re-arranging the hoses & chains.
- Front/rear visibility have increased by improving the design of FCU & Counterweight
- Turning radius is reduced 15mm for narrow and compact working condition.

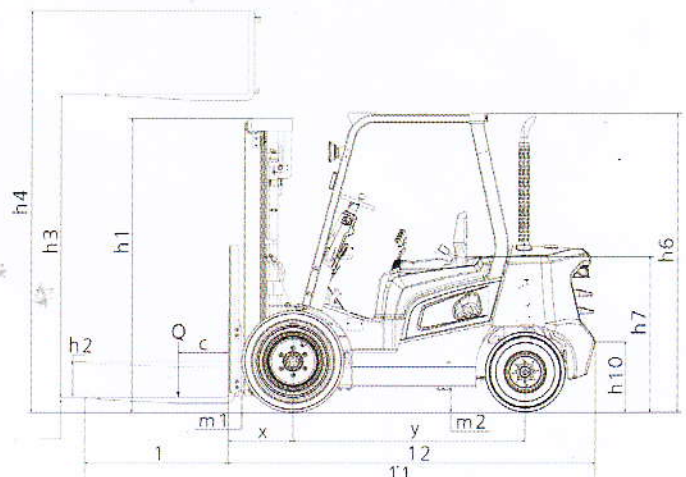
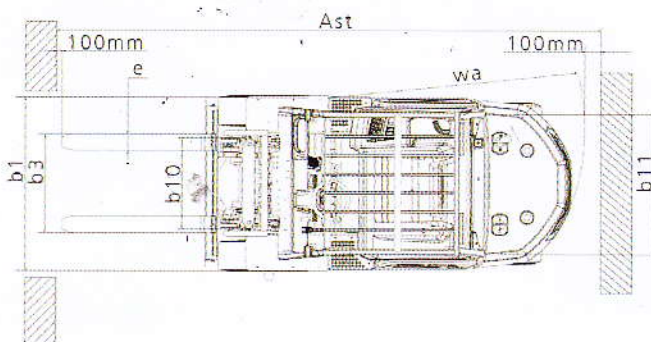
### MORE DURABLE DESIGN

- **New aux. weight design** lowers the center of gravity and helps reducing noise, vibration and heat.
- Cooling capacity has been increased by optimizing the air flow of engine room and counter weight design.
- Anti dust head guard design and dual element air cleaner extend the service interval and guarantee the durability of engine
- The mast is heavier than its competitors and has higher rigidity, which makes operation more stable.

### MORE POWERFUL PERFORMANCE

- The combination of NX Series engine and rigid transaxle provides **25%** of gradeability with load.
- Through the optimized Doosan hydraulic system, NX Series has unbeatable travel / lifting speed.

### Dimensional Drawing





# Technical Data according to VDI 2198

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

				DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN		
Characteristics	1.1	Manufacturer								
	1.2	Model designation		D20NXP	D25NXP	D30NXP	D33NXP	D35NXP		
		Transmission type		Autoshift	Autoshift	Autoshift	Autoshift	Autoshift		
	1.3	Drive : Diesel, Gasoline, LP		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	
Tyres	2.1	Service weight								
	2.2	Axle Loading, Laden Front/Rear								
	2.3	Axle Loading, Unladen Front/Rear								
	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	
	Dimensions	4.1	Tilt of Mast/Fork carriage Forward/Backward		α / β	deg	6/10	6/10	6/10	6/10
4.2		Height, Mast lowered		h1	mm	2045	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	
Performance data	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	460/480
	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
Combustion engine	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	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			/cm3	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	
Addition data	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

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



# MAST SPECIFICATION and RATED CAPACITIES

Model	Mast Type	Max. Fork Height		Mast Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities							
						With Load Backrest		With Load Backrest		Tilt Angle				Load Capacities			
										Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
		mm	in	mm	in	mm	in	mm	in	FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in
										deg	deg	deg	deg	kg	lb	kg	lb
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	6	6	6	1,800	3,650	1,870	3,800
5,990		236	2,645	104	7,249	285	1,440	57	6	6	6	6	1,300	2,650	1,800	3,650	
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	
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	
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	
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	

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# Excellent Operator Comfort

The operator compartment is more spacious and ergonomically designed to reduce driver's fatigue. It enables more comfort and safe operation.



## LED Lamp

Long-lasting, high-brightness LED lights is equipped as standard feature.

## Small Steering Wheel

Compact steering wheel offers steering convenience and reduces operator fatigue

## Large Entry Grip Bar

Large grip bar helps easy and safe entry.



## Clear Mast Visibility

Neatly arranged hoses and chains provides clear front view .

## Panoramic Mirror

The panoramic mirror offers wide rear view and greatly improves driving safety.



## Integrated Lamp Switch

The turn signal and head lamp switches are integrated for convenient operation.

# Powerful Performance

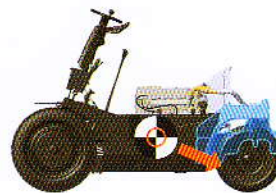
The combination of powerful engine and aux. weight structure maximizes powerful performance and makes it easy to go up the 25% steep slopes.



▲ Yanmar diesel engine

## High Powered, Fuel Efficient Engine

Yanmar diesel engine is a high-torque at low RPM engine designed for industrial vehicles. It effectively improves the acceleration, driving and climbing performance of the forklift.



## Aux. Weight

The new aux. weight structure effectively reduces engine vibration and ensuring vehicle durability. The lowered center of gravity enhances lifting power and capacity at high height racking. Aux. weight structure also gives better cooling capacity by improving air flow.

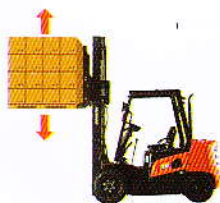
Max Gradeability  
(@1.6km/h, Laden, 3.0t capacity truck)

Manufacturer	Doosan	T**	M**	H**	H2**
Model	NXP	Zxx	Fxx	Kxx	Axx
Max Gradeability	25.60%	22.80%	23.90%	21%	20%



## High Speed of Lifting / Lowering

Gear pump and mast regulator valve are optimized to increase the lifting/lowering speed and it makes operation more productive.







## PT KOBEXINDO FORKLIFT INDONESIA

### HEAD OFFICE

#### Kobexindo Tower

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### PRODUCT SUPPORT CENTER

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#### Makassar

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**KOBEXINDO**  
*we grow together.*



The illustration do not necessary show the product in standard version.  
All product and equipment are not available in all markets.  
Materials and specification are subjects to change without prior notice.