



NEXEN
LIFT TRUCK TECHNOLOGY

Nexen Attollo
FBA20 DD - FBA25 DD
4-Wheel Dual Drive Electric Forklift
Specification Sheet

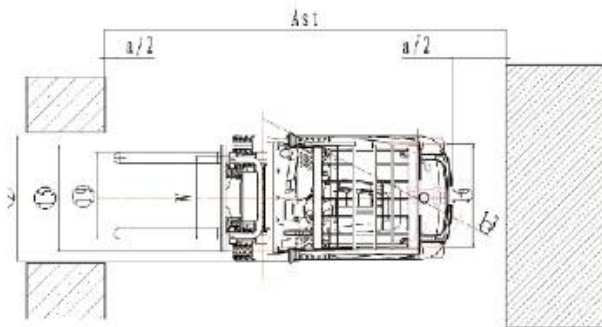
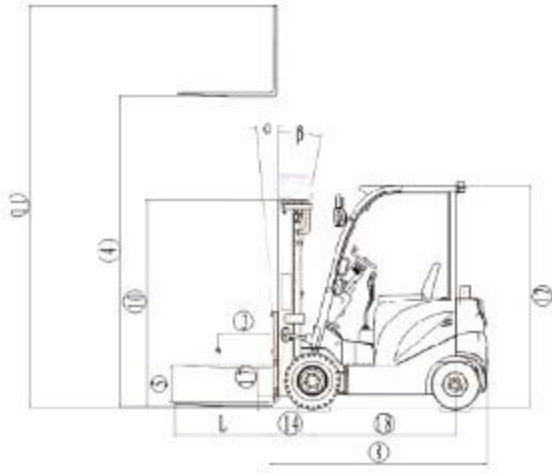
NEXEN ATTOLLO FBA20 DD / FBA25 DD

			NEXEN	NEXEN	
			FBA20	FBA25	
			Attollo	Attollo	
CHARACTERISTICS	1.1	Manufacturer			
	1.2	Model designation			
		Model – Manufacturer designation			
		Engine	KDS Motor	KDS Motor	
		Transmission	AC Zapi	AC Zapi	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	AC Battery	AC Battery	
	1.4	Operation: hand, pedestrian, standing, seated, order-picker	Seated	Seated	
	1.5	Load capacity / rated load	2000	2500	
	1.6	Load centre distance	500	500	
WEIGHTS	1.8	Load distance, centre of drive axle to fork	454	454	
	1.9	Wheelbase	1485	1485	
	2.1	Service weight (incl. battery box)	3930	4100	
	2.2	Axle loading, laden, front/rear			
	2.3	Axle loading, unladen, front/rear			
	WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid	L	L
		3.2	Tyre size, front	23x9-10 16P.R.	23x9-10 16P.R.
		3.3	Tyre size, rear	18x7-8-14 P.R.	18x7-8-14 P.R.
		3.5	Wheels, number front rear (X=driven wheels)	2x / 2	2x / 2
3.6		Tread, front	1058	1058	
3.7		Tread, rear	960	960	
DIMENSIONS		4.1	Mast tilt, α = forward / β = back (base duplex mast)	5 / 10	5 / 10
		4.2	Height of mast, lowered	2015	2015
		4.3	Free lift	140	140
	4.4	Lift	3000	3000	
	4.5	Height, mast extended <input checked="" type="checkbox"/>	3990	3990	
	4.7	Height of overhead guard (cabin)	2152	2152	
	4.8	Seat height / stand height <input type="checkbox"/>			
	4.12	Coupling height			
	4.19	Overall length			
	4.20	Length to face of forks	2286.5	2286.5	
	4.21	Overall width, standard/wide/double	1285	1285	
	4.22	Fork dimensions	1070/122/40	1070/122/40	
	4.23	Fork carriage DIN 15173, class/type A,B	IIA	IIA	
	4.24	Fork carriage width \leftrightarrow	250/1000	250/1000	
	4.31	Ground clearance, laden, below mast	130	130	
	4.32	Ground clearance, centre of wheelbase	95	95	
	4.33	Aisle width for pallets 1000x1200 crossways	3732	3732	
	4.34	Aisle width for pallets 800x1200 crossways	3932	3932	
	4.35	Outer turning radius	2080	2080	
	4.36	Inner turning radius			
	PERFORMANCE	5.1	Travel speed, laden/unladen	15/16	15/16
		5.2	Lift speed, laden/unladen	0.28 / 0.4	0.28 / 0.4
		5.3	Lowering speed, laden/unladen	0.47 / 0.43	0.47 / 0.43
		5.5	Drawbar pull, laden/unladen		
5.6		Max. drawbar pull, laden/unladen			
5.7		Gradeability, laden/unladen	15	15	
5.8		Max. gradeability, laden/unladen	15	15	
5.10		Service brake	Hydraulic	Hydraulic	
ENGINE		6.1	Engine Manufacturer/type	KDS Motor	KDS Motor
		6.2	Engine power acc. To ISO 1585 / DIN 6271	K8.5	K8.5
	6.3	Rated speed	2300	2300	
	6.4	Number of cylinders/displacement	N/A	N/A	
OTHER	8.1	Type of drive control	AC Zapi	AC Zapi	
	8.2	Operating pressure for attachments	17.5	17.5	
	8.3	Oil volume for attachments			
	8.4	Average noise level at operator's ear (Lpaz)			
		Guaranteed sound power 2001/14/EC (Lwaz))			
	8.5	Towing coupling, type DIN	Pin	Pin	

Specification data according to VDI 2198

NEXEN ATTOLLO FBA20 DD - FBA25 DD MAST SPECIFICATIONS

Type	Model	Max Fork Height	Overall Height						Free Lift				Front Overhang		Tilt Range		Capacity	
			Lowered		Extended				Without Backrest		With Backrest		Front Overhang		FWD	BWD	Load Capacity	
			2.0t	2.5t	Without Backrest		With Backrest		2.0t	2.5t	2.0t	2.5t	2.0t	2.5t			Single Tyre	
					mm	mm	mm	mm							mm	mm	mm	mm
Wide View 2-Stage Mast	M250	2500	1765	1765	3115	3115	3517	3517	140	140	140	140	454	454	5	10	2000	2500
	M300	3000	2015	2015	3616	3616	4017	4017	140	140	140	140	454	454	5	10	2000	2500
	M330	3300	2165	2165	3916	3916	4317	4317	140	140	140	140	454	454	5	10	2000	2500
	M350	3500	2265	2265	4115	4115	4517	4517	140	140	140	140	454	454	5	10	2000	2500
	M370	3700	2365	2365	4315	4315	4717	4717	140	140	140	140	454	454	5	10	2000	2500
	M400	4000	2565	2565	4616	4616	5017	5017	140	140	140	140	454	454	5	10	2000	2500
	M450	4500	2815	2815	5115	5115	5517	5517	140	140	140	140	454	454	5	6	1600	2100
	M500	5000	3065	3065	5615	5615	6017	6017	140	140	140	140	454	454	5	6	1200	1600
	M550	5500	3365	3365	6115	6115	6517	6517	140	140	140	140	454	454	5	6	950	1200
M600	6000	3615	3615	6616	6616	7017	7017	140	140	140	140	454	454	5	6	800	900	
Full Free 2-Stage Mast	FM250	2500	1765	1765	3115	3115	3517	3517	1170	1170	770	770	477	477	5	10	2000	2500
	FM300	3000	2015	2015	3615	3615	4017	4017	1420	1420	1020	1020	477	477	5	10	2000	2500
	FM330	3300	2165	2165	3915	3915	4317	4317	1570	1570	1170	1170	477	477	5	10	2000	2500
	FM350	3500	2265	2265	4115	4115	4517	4517	1670	1670	1270	1270	477	477	5	10	2000	2500
	FM370	3700	2365	2365	4315	4315	4717	4717	1770	1770	1370	1370	477	477	5	6	2000	2500
	FM400	4000	2565	2565	4615	4615	5017	5017	1970	1970	1570	1570	477	477	5	6	2000	2500
Full Free 3-Stage Mast	TFM435	4350	2015	2015	5021	5021	5366	5366	1390	1390	990	990	490	490	5	6	1750	2200
	TFM450	4500	2065	2065	5171	5171	5516	5516	1440	1440	1040	1040	490	490	5	6	1600	2000
	TFM480	4800	2165	2165	5417	5417	5816	5816	1540	1540	1140	1140	490	490	5	6	1250	1700
	TFM500	5000	2265	2265	5617	5617	6016	6016	1640	1640	1240	1240	490	490	5	6	1100	1500
	TFM550	5500	2390	2390	6117	6117	6516	6516	1765	1765	1400	1400	490	490	3	6	900	1200
	TFM600	6000	2615	2615	6617	6617	7016	7016	1990	1990	1590	1590	490	490	3	6	700	800
	TFM650	6500	2840	2840	7171	7171	7516	7516	2205	2205	1805	1805	490	490	3	6	400	500



TRUCK DIMENSIONS:

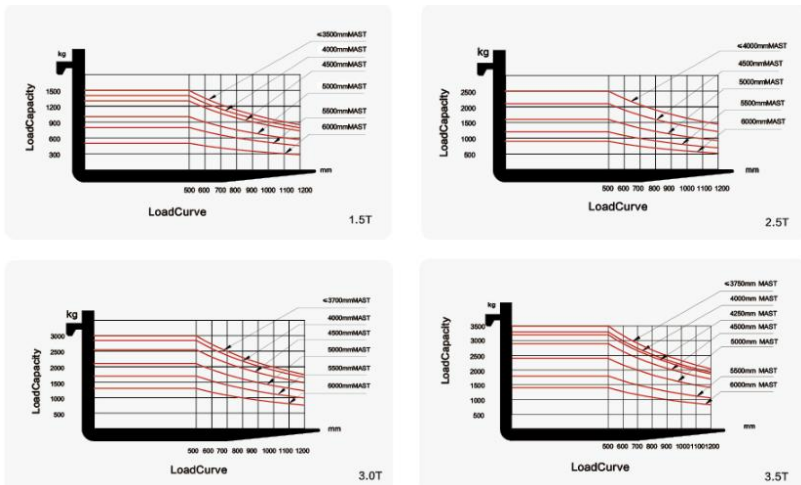
NOTES:

All specifications listed in the tables are affected by the vehicle equipment and condition and also by operating area nature and conditions. Please contact your Nexen forklift truck dealer in case of critical or specific specifications for a proposed application. All three wheel forklift trucks could be ordered with electric or hydraulic steering wheel.

LEGEND:

- ☐ - calculated value according to VDI 2198, EN 1726-1, DIN 15 172 and VDI 3973
- ⊞ - measured between road surface and top surface of the forks
- ☑ - with load backrest. Subtract 660mm if load backrest is removed
- ⬆ - h_6 subject to +/- 5mm tolerance
- - Full-suspension seat in depressed position
- ↔ - with load backrest. Subtract 16mm if load backrest is removed
- ☝ - Values based on the VDI 2198 standard calculation. Additional 100mm are recommended by the British Industrial Truck Association for extra operating margin at the rear of the truck
- ☎ - Consult your Nexen forklift truck dealer
- ⊙ - Centre of gravity of unladen truck

RATED CAPACITIES:



$Ast = W_a + x + l_6 + a$ (refer to lines 4.33 and 4.34)

- W_a – outer turning radius
- $a = 200\text{mm}$ – minimum operating clearance (according to VDI 2198)
- x - Load distance, centre of drive axle to fork
- l_6 – load length

LEGEND:

Load centre: distance from front forks surface to load gravity centre
 Rated load: based on calculated values for vertical masts (ISO 1074) up to 4500 for all variants with pneumatic single tyres

NOTICE:

Handle elevated loads with care as the truck stability is reduced when the carriage is lifted up. Keep minimal mast tilt angle during loads elevation. Operators must be trained and adhere to the instructions included in the operating manual.