



TECHNICAL SPECIFICATIONS

B22X/B25X/B30X/B35X-5
4 Wheel Electric Forklift Trucks
2,200kg to 3,500kg capacity

PRO5
SERIES



2,200/2,500/3,000/3,500 kg Capacities

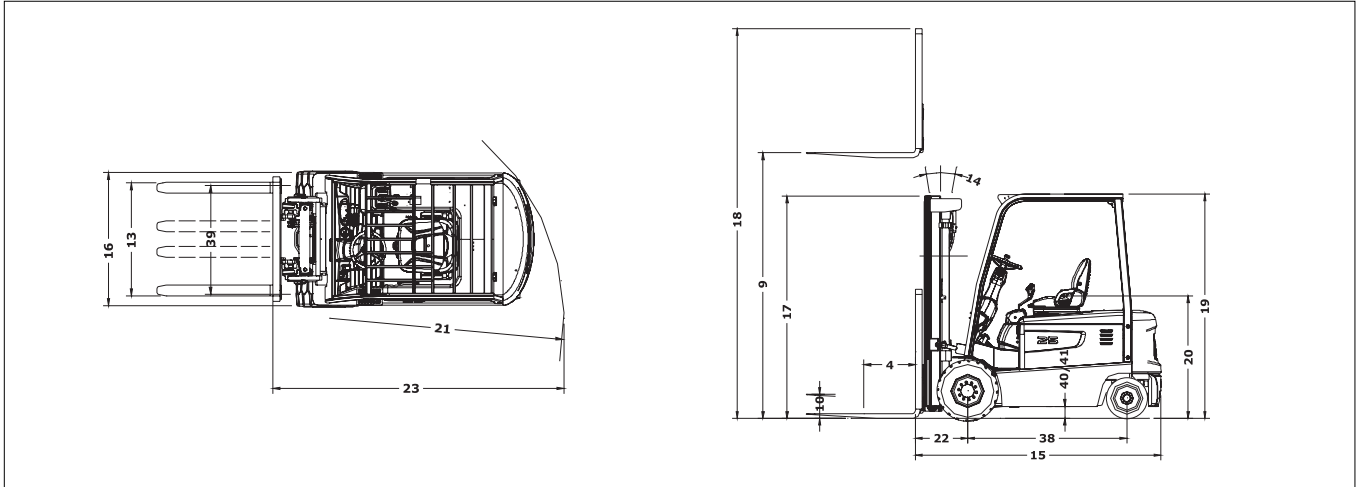
4 Wheel Electric Forklift Trucks

Pneumatic Models, 80V-AC

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer		DOOSAN	DOOSAN	DOOSAN	DOOSAN	
	2	Model		B22X-5	B25X-5	B30X-5	B35X-5	
	3	Load Capacity	at rated load center	kg	2200	2500	3000	3500
	4	Load Center		mm	500	500	500	500
	5	Power Type			AC electric	AC electric	AC electric	AC electric
	6	Operator Type			driver seated	driver seated	driver seated	driver seated
	7	Tire Type	P: Pnu, E: Solid Soft, C: Cush		P, E	P, E	P, E	P, E
	8	Wheels (x=Driven)			x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	mm	3230	3230	3230	3000
	10	Free Lift		mm	147	147	152	152
	12	Fork Carriage	ISO Class		II	II	III	III
	13	Forks	Length x Width x Thickness	mm	40 x 100 x 1050	40 x 100 x 1050	45 x 125 x 1050	45 x 125 x 1050
			Fork Spacing(Min x Max)	mm	272 x 1035	272 x 1035	286 x 1044	286 x 1044
	14	Tilt of Mast	Forward/Backward	deg	6/9	6/9	6/9	6/9
	15	Overall Dimensions	Length to Fork Face	mm	2360	2360	2505	2600
			Overall Width	mm	1245	1245	1245	1245
			Mast Lowered Height	mm	2160	2160	2160	2160
			Mast Extended Height	mm	3990	3990	3990	3990
			Overhead Guard Height	mm	2185	2185	2210	2210
			Seat Height	mm	1070	1070	1070	1070
	21	Turning Radius	Minimum outside	mm	1980	1980	2100	2180
	22	Load Moment Center		mm	498	498	509	509
	23	Aisle 90 degree stacking(add load length & clearance)		mm	2480	2480	2608	2688
PERFORMANCECF	24	Travel Speed	Loaded/Unloaded	km/h	16.0 / 16.0	16.0 / 16.0	16.0 / 16.0	16.0 / 16.0
	25	Lifting Speed	Loaded/Unloaded	mm/s	500 / 550	480 / 550	420 / 550	380 / 550
	26	Lowering Speed	Loaded/ Unloaded	mm/s	490 / 460	490 / 460	490 / 460	500 / 460
	28	Max. drawbar pull	Loaded/Unloaded(5 min. rating)	kgf	1955 / 1905	1955 / 1900	1922 / 1880	1701 / 1685
	30	Max. gradeability	Loaded/Unloaded(5 min. rating)	%	27 / 41	24 / 39	24 / 31	19 / 31
	WEIGHTT	32	Total Service Weight	with minimum weight of battery	kg	4588	4755	5282
33		Axle Load at Loaded	Front / Rear	kg	6001 / 787	6353 / 902	7312 / 970	8056 / 1074
34		Axle Load at Unloaded	Front / Rear	kg	2371 / 2217	2224 / 2531	2511 / 2771	2455 / 3175
CHASSIS		35	Tires	Number of wheels (F/R)		2/2	2/2	2/2
	Size , Front				23 x 10 -12	23 x 10 -12	23 x 10 -12	23 x 10 -12
	Size , Rear				18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8
	38	Wheel Base	Distance	mm	1535	1535	1679	1679
	39	Tread Width	Front	mm	998	998	998	998
			Rear	mm	998	998	998	998
	40	Ground Clearance	at the lowest point	mm	130	130	130	130
			at center of wheelbase	mm	140	140	140	140
	42	Brakes	Service		foot / hydraulic	foot / hydraulic	foot / hydraulic	foot / hydraulic
			Parking		hand / mech	hand / mech	hand / mech	hand / mech
POWER TRAIN	45	Battery	Type		DIN43536A	DIN43536A	DIN43536A	DIN43536A
			Capacity (5 Hours Rating)	V/AH	80 / 500	80 / 500	80 / 600	80 / 600
			Battery compartment sizes(WxLxH)	mm	1028 x 711 x 784		1028 x 855 x 784	
			Weight (Minimun)	kg	1560	1560	1870	1870
	47	Electric Motors	Drive motor(1 HR Rating)	kW	10.0 X 2	10.0 X 2	10.0 X 2	10.0 X 2
			Hyd. motor(15% Duty)	kW	21.0	21.0	21.0	21.0
	54	Control Type	Drive and Hydraulic		MOSFET Inverter	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter
57	Relief Pressure	System	bar	183	193	207	235	
		Attachment	bar	155	155	155	155	

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities											
									With Load Backrest				B22X-5, B25X-5				B22X-5		B25X-5	
													Tilt Angle				Load Capacities		Load Capacities	
									Single Narrow		Single Solid		Single Pneu.	Single Solid	Single Pneu.	Single Solid				
FWD	BWD	FWD	BWD	LC 500mm	LC 500mm	LC 500mm	LC 500mm													
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	kg	kg	kg				
STD	2030	80	1560	61	3280	129	147	6	6	9	6	9	2200	2200	2500	2500				
	2580	102	1835	72	3830	151	147	6	6	9	6	9	2200	2200	2500	2500				
	2950	116	2020	80	4200	165	147	6	6	9	6	9	2200	2200	2500	2500				
	3230	127	2160	85	4480	176	147	6	6	9	6	9	2200	2200	2500	2500				
	3500	138	2410	95	4755	187	147	6	6	9	6	9	2200	2200	2500	2500				
	3800	150	2560	101	5055	199	147	6	6	9	6	9	2200	2200	2500	2500				
	3950	156	2635	104	5205	205	147	6	6	9	6	9	2200	2200	2500	2500				
	4350	171	2835	112	5605	221	147	6	6	9	6	9	2200	2200	2500	2500				
4960	195	3135	123	6205	244	147	6	6	9	6	9	2100	2125	2425	2450					
FF	2580	102	1835	72	3830	151	630	25	6	9	6	9	2200	2200	2500	2500				
	2950	116	2020	80	4200	165	815	32	6	9	6	9	2200	2200	2500	2500				
	3230	127	2160	85	4480	176	955	38	6	9	6	9	2200	2200	2500	2500				
	3600	142	2410	95	4855	191	1205	47	6	9	6	9	2200	2200	2500	2500				
FFT	3900	154	1885	74	5155	203	680	27	6	9	6	9	2200	2200	2500	2500				
	4290	169	2020	80	5560	219	815	32	6	9	6	9	2200	2200	2500	2500				
	4730	186	2160	85	5980	235	955	38	6	9	6	9	2150	2175	2475	2500				
	5560	219	2510	99	6805	268	1305	51	6	5	6	9	2000	2025	2275	2325				
	6010	237	2660	105	7255	286	1455	57	6	5	6	5	1875	1950	1700	2250				
	6500	256	2900	114	7750	305	1695	67	6	5	6	5	1400	1875	1250	2150				

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities					
									B30X-5					
									Tilt Angle				Load Capacities	
									Single Narrow		Single Solid		Single Pneu.	Single Solid
FWD	BWD	FWD	BWD	LC 500mm	LC 500mm									
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	kg	kg
STD	2030	80	1560	61	3280	129	152	6	6	9	6	9	3000	3000
	2580	102	1835	72	3830	151	152	6	6	9	6	9	3000	3000
	2950	116	2020	80	4200	165	152	6	6	9	6	9	3000	3000
	3230	127	2160	85	4480	176	152	6	6	9	6	9	3000	3000
	3500	138	2410	95	4755	187	152	6	6	9	6	9	3000	3000
	3800	150	2560	101	5055	199	152	6	6	9	6	9	3000	3000
	3950	156	2635	104	5205	205	152	6	6	9	6	9	3000	3000
	4350	171	2835	112	5605	221	152	6	6	9	6	9	2950	2975
4960	195	3135	123	6205	244	152	6	6	9	6	9	2800	2825	
FF	2580	102	1835	72	3830	151	635	25	6	9	6	9	3000	3000
	2950	116	2020	80	4200	165	820	32	6	9	6	9	3000	3000
	3230	127	2160	85	4480	176	960	38	6	9	6	9	3000	3000
	3600	142	2410	95	4855	191	1210	48	6	9	6	9	3000	3000
FFT	3900	154	1885	74	5155	203	685	27	6	9	6	9	2900	2900
	4290	169	2020	80	5560	219	820	32	6	9	6	9	2900	2900
	4730	186	2160	85	5980	235	960	38	6	9	6	9	2850	2875
	5560	219	2510	99	6805	268	1310	52	6	5	6	9	2300	2700
	6010	237	2660	105	7255	286	1460	58	6	5	6	5	1775	2600
	6500	256	2900	114	7750	305	1700	67	6	5	6	5	1300	2500

Note: Mast specifications & Rated Capacities are based on standard chassis with solid soft tire and without sideshifter.



Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities					
					With Load Backrest		With Load Backrest		B35X-5					
									Tilt Angle				Load Capacities	
					Single Narrow		Single Solid		Single Pneu.		Single Solid			
	mm	in	mm	in	mm	in	mm	in	deg	deg	deg	deg	LC 500mm	LC 500mm
STD	1800	71	1560	61	3050	120	152	6	6	9	6	9	3500	3500
	2350	93	1835	72	3600	142	152	6	6	9	6	9	3500	3500
	2720	107	2020	80	3970	156	152	6	6	9	6	9	3500	3500
	3000	118	2160	85	4250	167	152	6	6	9	6	9	3500	3500
	3495	138	2410	95	4750	187	152	6	6	9	6	9	3500	3500
	3655	144	2560	101	4905	193	152	6	6	9	6	9	3500	3500
	3805	150	2635	104	5055	199	152	6	6	9	6	9	3500	3500
	4205	166	2835	112	5455	215	152	6	6	9	6	9	3500	3500
	4805	189	3135	123	6055	238	152	6	6	9	6	9	3125	3425
FF	2350	93	1835	72	3600	142	635	25	6	9	6	9	3500	3500
	2720	107	2020	80	3970	156	820	32	6	9	6	9	3500	3500
	3000	118	2160	85	4250	167	960	38	6	9	6	9	3500	3500
	3495	138	2410	95	4745	187	1210	48	6	9	6	9	3500	3500
FFT	3555	140	1885	74	4805	189	685	27	6	9	6	9	3400	3400
	3960	156	2020	80	5210	205	820	32	6	9	6	9	3400	3400
	4380	172	2160	85	5630	222	960	38	6	9	6	9	3300	3400
	4820	190	2330	92	6070	239	1130	45	6	5	6	9	3175	3400
	5205	205	2510	99	6455	254	1310	52	6	5	6	9	2575	3300
	5655	223	2660	105	6905	272	1460	58	6	5	6	5	2000	3200

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AUTHORIZED DEALER

Product and specifications are subject to improvement and change without notice.