

8,000/9,000/10,000 lb Capacities

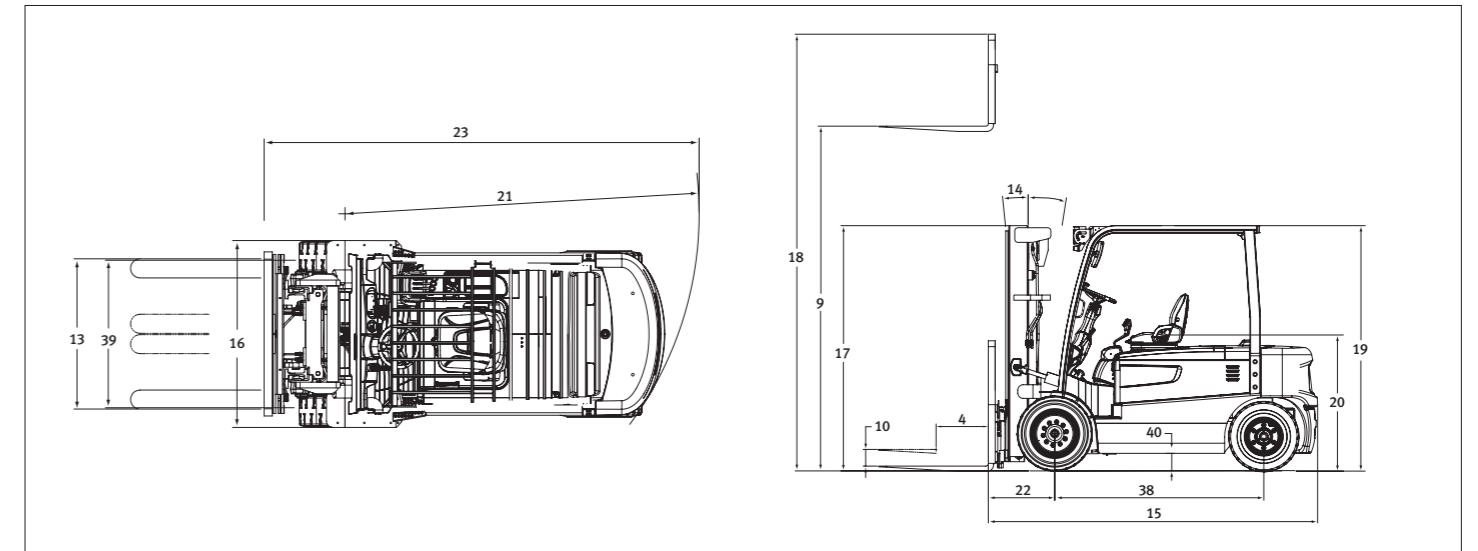
4 Wheel Electric Forklift Trucks

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS				DOOSAN	DOOSAN	DOOSAN	
1	Manufacture			DOOSAN	DOOSAN	DOOSAN	
2	Model			B40X-5	B45X-5	B50X-5	
3	Load Capacity	at rated load center	lb(kg)	8000(4000)	9000(4500)	10000(5000)	
4	Load Center		in(mm)	24(500)	24(500)	24(500)	
5	Power type			electric	electric	electric	
6	Operator type			Driver seated	Driver seated	Driver seated	
7	Tire type	P:Pneu, E:Solid Soft, C: Cush		E	E	E	
8	Wheels (x=Driven)			2x / 2	2x / 2	2x / 2	
9	Max. Fork Height	with STD 2-stage mast	in(mm)	130(3300)	130(3300)	130(3300)	
10	Free Lift		in(mm)	5.9(150)	6.3(160)	6.3(160)	
12	Fork Carriage	ISO Class		III	III	III	
DIMENSIONS	13 Forks	Length x Width x Thickness	in(mm)	2.0 x 5.9 x 41.3 (50 x 150 x 1050)	2.0 x 5.9 x 41.3 (50 x 150 x 1050)	2.0 x 5.9 x 41.3 (50 x 150 x 1050)	
		Fork Spacing(Min x Max)	in(mm)	12.2 x 46.5 (310 x 1182)	12.2 x 46.5 (310 x 1182)	13.4 x 50.8 (340 x 1290)	
	14 Tilt of Mast	Forward / Backward	deg	6 / 9	6 / 9	6 / 9	
	15	Length to Fork Face	in(mm)	120.6(3062)	120.6(3062)	121.7(3092)	
	16	Overall Width	in(mm)	57.9(1470)	57.9(1470)	57.9(1470)	
	17	Overall Dimensions	Mast Lowered Height	in(mm)	91.7(2330)	92.1(2340)	92.1(2340)
	18		Mast Extended Height	in(mm)	164.2(4170)	164.6(4180)	165.6(4205)
	19		Overhead Guard Height	in(mm)	91.7(2330)	91.9(2335)	91.9(2335)
	20		Seat Height	in(mm)	50.5(1282)	50.7(1288)	50.7(1288)
	21	Turning Radius	Minimum outside	in(mm)	108.7(2760)	108.7(2760)	109.6(2785)
22	Load Moment Center		in(mm)	22.7(577)	22.7(577)	22.7(577)	
23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	131.4(3338)	131.4(3338)	132.3(3360)	
PERFORMANCE	24 Travel Speed	Loaded / Unloaded	mph(km/h)	9.3 / 9.9 (15 / 16)	9.3 / 9.9 (15 / 16)	9.3 / 9.9 (15 / 16)	
	25 Lifting Speed	Loaded / Unloaded	fpm(mm/s)	68.9 / 92.5 (350 / 470)	65.0 / 88.6 (330 / 450)	61.0 / 88.6 (310 / 450)	
	26 Lowering Speed	Loaded / Unloaded	fpm(mm/s)	94.5 / 88.6 (480 / 450)	94.5 / 88.6 (480 / 450)	94.5 / 88.6 (480 / 450)	
	28 Max. drawbar pull	Loaded / Unloaded(5 min. rating)	lbf(kgf)	4608.5 / 4789.3 (2090 / 2172)	4383.5 / 4608.5 (1988 / 2090)	4136.6 / 4136.6 (1876 / 1876)	
30 Max. gradeability	Loaded / Unloaded(5 min. rating)	%	19 / 31	17 / 29	15 / 25		
WEIGHT	32 Total Service Weight	with minimum weight of battery	lb(kg)	15410.3(6990)	16248.0(7370)	17107.9(7760)	
	33 Axle Load at Loaded	Front / Rear	lb(kg)	21508.3 / 2720.5 (9756 / 1234)	22379.1 / 3789.7 (10151 / 1719)	24469.1 / 3639.8 (11099 / 1651)	
	34 Axle Load at Unloaded	Front / Rear	lb(kg)	7941.0 / 7469.3 (3602 / 3388)	7116.5 / 9131.5 (3228 / 4142)	7544.2 / 9563.6 (3422 / 4338)	
CHASSIS	35	Number of wheels(F/ R)		2/2	2/2	2/2	
	36 Tires	Size, Front		250-15	28x12.5-15	28x12.5-15	
	37	Size, Rear		7.00-12	7.00-12	7.00-12	
	38 Wheel Base	Distance	in(mm)	78.7(2000)	78.7(2000)	78.7(2000)	
	39 Tread Width	Front	in(mm)	46.0(1168)	45.7(1160)	45.7(1160)	
		Rear	in(mm)	43.7(1111)	43.7(1111)	43.7(1111)	
	40 Ground Clearance	at the lowest point	in(mm)	5.1(130)	5.1(130)	5.1(130)	
		at center of wheelbase	in(mm)	6.3(160)	6.3(160)	6.3(160)	
	42 Brakes	Service		FOOT/ HYD	FOOT/ HYD	FOOT/ HYD	
	43	Parking		HAND / MECH	HAND / MECH	HAND / MECH	
POWER TRAIN	45 Battery	Type		DIN43536A	DIN43536A	DIN43536A	
		Capacity (5 Hours Rating)	V/AH	80 / 720	80 / 720	80 / 720	
		Battery compartment sizes(WxLxH)	in	40.5x39.0x30.9 (1028x990x784)	40.5x39.0x30.9 (1028x990x784)	40.5x39.0x30.9 (1028x990x784)	
		Weight (Minimum)	lb(kg)	4761.9(2160)	4761.9(2160)	4761.9(2160)	
	47 Electric Motors	Drive motor(1 HR Rating)	HP(kW)	14.7X2.7 (11X2)	14.7X2.7 (11X2)	14.7X2.7 (11X2)	
		Hyd. Motor(15% Duty)	HP(kW)	34.9(26)	34.9(26)	34.9(26)	
	54 Control Type	Drive and hydraulic	type	Inverter AC	Inverter AC	Inverter AC	
57 Relief Pressure	System	psi(bar)	2755.0(190)	3045.0(210)	3335.0(230)		
	Attachment	psi(bar)	2247.5(155)	2247.5(155)	2247.5(155)		

Note: Specification values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions. Products and specifications are subject to improvement and change without prior notices.

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

B40X-5

Mast Type	Maximum Fork Height		Fully Lowered Height		Fully Extended Height				Free Lift				Soild Soft Tire		
					With Load Backrest		W/O Load Backrest		With Load Backrest		W/O Load Backrest		Tilt Angle	Load Capacities	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	deg	LC500mm	LC 24 in
STD	3000	118	2180	86	4255	168	3870	152	150	6	150	6	6/9	4000	8000
STD	3300	130	2330	92	4555	179	4170	164	150	6	150	6	6/9	4000	8000
STD	3650	144	2505	99	4905	193	4520	178	150	6	150	6	6/9	4000	8000
STD	4000	158	2830	111	5255	207	4870	192	150	6	150	6	6/9	4000	8000
STD	4250	167	2955	116	5505	217	5120	202	150	6	150	6	6/9	4000	8000
STD	4850	191	3405	134	6105	240	5720	225	150	6	150	6	6/5	4000	8000
FF	3000	118	2160	85	4240	167	3765	148	960	38	1435	57	6/9	4000	8000
FFT	4000	158	2040	80	5255	207	4765	188	840	33	1335	53	6/9	4000	8000
FFT	4250	167	2130	84	5520	217	5030	198	930	37	1425	56	6/9	4000	8000
FFT	4700	185	2280	90	5970	235	5480	216	1080	43	1575	62	6/9	4000	8000
FFT	5150	203	2430	96	6420	253	5930	234	1230	48	1725	68	6/5	4000	8000
FFT	5600	221	2580	102	6870	271	6380	251	1380	54	1875	74	6/3	3875	7800
FFT	6050	238	2730	108	7320	288	6830	269	1530	60	2025	80	6/3	3750	7600

B45X-5

Mast Type	Maximum Fork Height		Fully Lowered Height		Fully Extended Height				Free Lift				Soild Soft Tire		
					With Load Backrest		W/O Load Backrest		With Load Backrest		W/O Load Backrest		Tilt Angle	Load Capacities	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	deg	LC500mm	LC 24 in
STD	3000	118	2190	86	4265	168	3880	153	160	6	160	6	6/9	4500	9000
STD	3300	130	2340	92	4565	180	4180	165	160	6	160	6	6/9	4500	9000
STD	3650	144	2515	99	4915	194	4530	178	160	6	160	6	6/9	4500	9000
STD	4000	158	2840	112	5265	207	4880	192	160	6	160	6	6/9	4500	9000
STD	4250	167	2965	117	5515	217	5130	202	160	6	160	6	6/9	4500	9000
STD	4850	191	3415	134	6115	241	5730	226	160	6	160	6	6/5	4500	9000
FF	3000	118	2170	85	4250	167	3775	149	970	38	1440	57	6/9	4500	9000
FFT	4000	158	2050	81	5265	207	4770	188	850	34	1345	53	6/9	4500	9000
FFT	4250	167	2140	84	5530	218	5035	198	940	37	1430	56	6/9	4500	9000
FFT	4700	185	2290	90	5980	235	5485	216	1090	43	1580	62	6/9	4500	9000
FFT	5150	203	2440	96	6430	253	5935	234	1240	49	1730	68	6/5	4500	9000
FFT	5600	221	2590	102	6880	271	6385	251	1390	55	1880	74	6/3	4350	8800
FFT	6050	238	2740	108	7330	289	6835	269	1540	61	2030	80	6/3	4225	8500



B50X-5

Mast Type	Maximum Fork Height		Fully Lowered Height		Fully Extended Height				Free Lift				Solid Soft Tire		
					With Load Backrest		W/O Load Backrest		With Load Backrest		W/O Load Backrest		Tilt Angle	Load Capacities	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	deg	LC500mm	LC 24 in
STD	3000	118	2190	86	4415	174	3905	154	160	6	160	6	6/9	5000	10000
STD	3300	130	2340	92	4715	186	4205	166	160	6	160	6	6/9	5000	10000
STD	3650	144	2515	99	5065	199	4555	179	160	6	160	6	6/9	5000	10000
STD	4000	158	2840	112	5415	213	4905	193	160	6	160	6	6/9	5000	10000
STD	4250	167	2965	117	5665	223	5155	203	160	6	160	6	6/9	5000	10000
STD	4850	191	3415	134	6265	247	5755	227	160	6	160	6	6/5	5000	10000
FF	3000	118	2170	85	4395	173	3860	152	820	32	1355	53	6/9	5000	10000
FFT	4000	158	2050	81	5410	213	4870	192	700	28	1240	49	6/9	5000	10000
FFT	4250	167	2140	84	5675	223	5135	202	790	31	1330	52	6/9	5000	10000
FFT	4700	185	2290	90	6125	241	5585	220	940	37	1480	58	6/9	5000	10000
FFT	5150	203	2440	96	6575	259	6035	238	1090	43	1630	64	6/5	5000	10000
FFT	5600	221	2590	102	7025	277	6485	255	1240	49	1780	70	6/3	4825	9700
FFT	6050	238	2740	108	7475	294	6935	273	1390	55	1930	76	6/3	4675	9400



TECHNICAL SPECIFICATIONS

4 Wheel Electric Forklift Trucks

B40X / B45X / B50X-5

8,000lb to 10,000lb Capacity



PSC0708A3v2



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AUTHORIZED DEALER

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