



7 Series Forklifts

Electric 1.6 to 2.0 ton capacity

B16/18/20X-7



Lifting Your Dreams

GENERAL SPECIFICATION

CHARACTERISTICS								
2	Model			B16X-7	B18X-7	B20X-7		
3	Load Capacity	at rated load center	kg	1600	1800	2000		
4	Load center		mm	500	500	500		
5	Power type			AC Electric	AC Electric	AC Electric		
6	Operator type			Driver Seated	Driver Seated	Driver Seated		
7	Tire Type	P : Pneumatic, E : Solid Soft, C : Cushion		P, E	E	E		
8	Wheels (x=Driven)	Number of front / rear		x 2 / 2	x 2 / 2	x 2 / 2		
DIMENSIONS								
9	Max.Fork Height	with STD 2-stage mast	mm	3300	3300	3300		
10	Free Lift		mm	130	130	135		
12	Fork carriage	ISO Class		CLASS II	CLASS II	CLASS II		
13	Fork	Thickness x Width x Length	mm	35 x 100 x 900	35 x 100 x 900	40 x 100 x 900		
		Fork Spacing (Min. x Max.)	mm	240 x 905	240 x 905	240 x 905		
14	Tilt of Mast	Forward / Backward	deg	5/7	5/7	5/7		
15	Overall Dimensions	Length to Fork Face	mm	2120	2120	2125		
16		Overall Width	mm	1090	1119	1119		
17		Max Lowered Height	mm	2150	2150	2150		
18		Max Extended Height	mm	4345	4345	4350		
19		Overhead Guard Height	mm	2010	2010	2010		
20		Seat Height	mm	919	919	919		
21	Outer Turning Radius		mm	1886	1886	1886		
	Inner Turning Radius		mm	494	496	496		
22	Load Moment Center	Center of drive axle to fork face	mm	376	376	381		
23	Right Angle Stacking Aisle Width (With Pallets & Clearance)	Pallet 1000 x 1200 crossways	mm	3466	3466	3471		
		Pallet 800 x 1200 lengthways	mm	3662	3662	3667		
PERFORMANCE								
24	Speed	Travel	Loaded / Unloaded	km/h	17 / 17	17 / 17		
		Lifting	Loaded / Unloaded	mm/s	400 / 600	400 / 600		
		Lowering	Loaded / Unloaded	mm/s	500 / 450	500 / 450		
28	Max. Drawbar pull	Loaded at 1.6km/h	kg	1300	1300	1300		
30	Max. Gradeability	Loaded at 1.6km/h	%	26	25	24		
WEIGHT								
32	Total weight	with min. weight of battery	kg	3189	3281	3461		
33	Axle Load	Loaded , Front / Rear	kg	4235 / 553	4551 / 530	4871 / 590		
34		Unloaded , Front / Rear	kg	1698 / 1491	1696 / 1585	1692 / 1769		
CHASSIS								
35	Tires	Number of Wheels (Front / Rear)			2 / 2	2 / 2		
36		Size	Front		18x7-8 ¹⁾	200x50-10	200x50-10	
37			Rear		16x6-8 ²⁾	16x6-8	16x6-8	
38	Wheel Base	Distance	mm	1495	1495	1495		
39	Tread Width	Front	mm	902	912	912		
		Rear	mm	890	890	890		
40	Ground clearance	Loaded	at lowest	mm	86	86		
41			at center of wheel base	mm	100	100		
42	Brakes	Service		Hydraulic	Hydraulic	Hydraulic		
43		Parking		Auto-Electric	Auto-Electric	Auto-Electric		
POWER TRAIN								
45	Battery	Type		Lead-acid	Lead-acid	Lead-acid		
		Voltage		V	48	48	48	
		Capacity (5 Hours Rating)	Normal	BS type	AH	585	585	585
				DIN type	AH	575	575	575
			Max.	BS type	AH	690	690	690
				DIN type	AH	625	625	625
		Battery compartment sizes (W x L x H)	Normal	mm	638 x 992 x 698	638 x 992 x 698	638 x 992 x 698	
			BS type	mm	638 (608) ³⁾ x 992 x 698	638 (608) ³⁾ x 992 x 698	638 (608) ³⁾ x 992 x 698	
DIN type	mm		638 x 992 (842) ⁴⁾ x 698	638 x 992 (842) ⁴⁾ x 698	638 x 992 (842) ⁴⁾ x 698			
	Min. Weight	kg	1050	1050	1050			
47	Electric Motors	Drive motor rating at S2 60 minute	kW	6.0 x 2	6.0 x 2	6.0 x 2		
48		Lifting motor rating at S3 15%	kW	14	14	14		
54	Control Type	Drive and Hydraulic	Type	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter		
55	Drive Axle	Brake Type	Type	ODB	ODB	ODB		
57	Relief Pressure	System	kpa	19900	19900	21600		
		Attachment	kpa	14000	14000	14000		

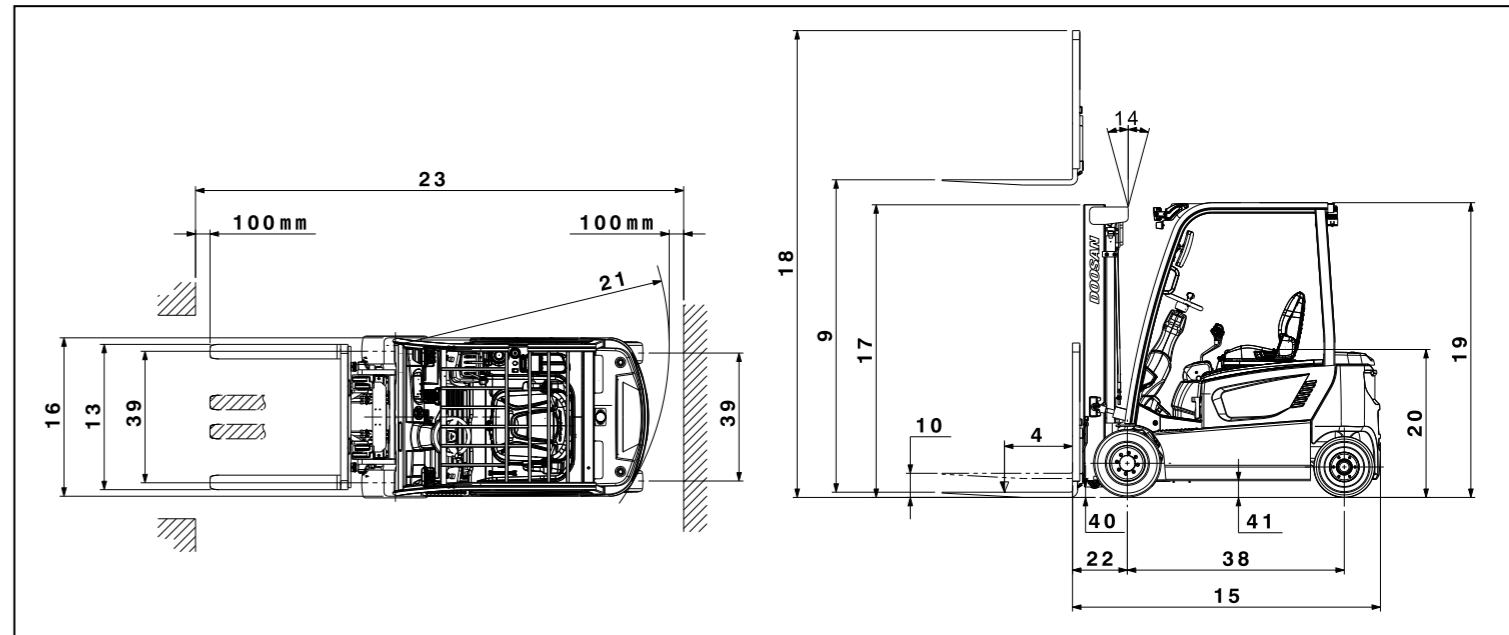
1) Optional: cushion Tires_18 x 7 - 12.12

2) Optional: cushion Tires_15 x 6 - 11.25

3) If operator using a BS Type Battery (608mm length/ 575, 630, 690AH/5h capacity), special accessory (stopper) should be chosen.

4) If operator using a DIN Type Battery (842mm width), Special accessory (bracket) should be chosen.

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

B16X-7

Mast Type	Maximum Fork Height	Maximum Lowered Height	Extended Height		Free Lift		Solid Soft Tire		Cushion Tire	
			w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest	Tilt Angle	Load Capacity	Tilt Angle	Load Capacity
			mm	mm	mm	mm	deg	kg	deg	kg
STD	3000	2000	4045	3600	130	130	5/7	1600	5/7	1500
	3300	2150	4345	3900	130	130	5/7	1600	5/7	1500
	3500	2250	4545	4100	130	130	5/7	1600	5/7	1500
	3700	2350	4745	4300	130	130	5/7	1600	5/7	1500
	4000	2550	5045	4600	130	130	5/7	1600	5/7	1500
FF	2700	1850	3745	3325	845	1265	5/5	1600	5/5	1500
	3000	2000	4045	3625	995	1415	5/5	1600	5/5	1500
	3300	2150	4345	3925	1145	1565	5/5	1600	5/5	1500
	4000	1880	5050	4630	875	1295	5/5	1600	5/5	1475
	4500	2045	5545	5125	1040	1460	5/5	1550	5/5	1425
FFT	4750	2130	5795	5375	1125	1545	5/5	1500	5/5	1375
	5000	2245	6045	5625	1240	1660	5/5	1450	5/5	1350
	5500	2480	6550	6130	1475	1895	5/5	1350	5/5	1275
	6000	2645	7045	6625	1640	2060	5/5	1250	5/5	1225

B18X-7

Mast Type	Maximum Fork Height	Maximum Lowered Height	Extended Height		Free Lift		Solid Soft Tire		Cushion Tire	
			w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest	Tilt Angle	Load Capacity	Tilt Angle	Load Capacity
			mm	mm	mm	mm	deg	kg	deg	kg
STD	3000	2000	4045	3600	130	130	5/7	1800	5/7	1750
	3300	2150	4345	3900	130	130	5/7	1800	5/7	1750
	3500	2250	4545	4100	130	130	5/7	1800	5/7	1750
	3700	2350	4745	4300	130	130	5/7	1800	5/7	1750
	4000	2550	5045	4600	130	130	5/7	1800	5/7	1750
FF	2700	1850	3745	3325	845	1265	5/5	1800	5/5	1750
	3000	2000	4045	3625	995	1415	5/5	1800	5/5	1750
	3300	2150	4345	3925	1145	1565	5/5	1800	5/5	1750
	4000	1880	5050	4630	875	1295	5/5	1800	5/5	1700
	4500	2045	5545	5125	1040	1460	5/5	1750	5/5	1650
FFT	4750	2130	5795	5375	1125	1545	5/5	1600	5/5	1625
	5000	2245	6045	5625	1240	1660	5/5	1550	5/5	1575
	5500	2480	6550	6130	1475	1895	5/5	1475	5/5	1500
	6000	2645	7045	6625	1640	2060	5/5	1350	5/5	1400

Note : These load capacities are based on the standard chassis without side shifter.

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.

B20X-7

Mast Type	Maximum Fork Height	Maximum Lowered Height	Extended Height		Free Lift		Solid Soft Tire		Cushion Tire	
			w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest	Tilt Angle	Load Capacity	Tilt Angle	Load Capacity
			mm	mm	mm	mm	FWD/BWD	LC 500mm	FWD/BWD	LC 500mm
STD	3000	2000	4050	3605	135	135	5/7	2000	5/7	2000
	3300	2150	4350	3905	135	135	5/7	2000	5/7	2000
	3500	2250	4550	4105	135	135	5/7	2000	5/7	2000
	3700	2350	4750	4305	135	135	5/7	2000	5/7	2000
	4000	2550	5050	4605	135	135	5/7	2000	5/7	2000
	4500	2800	5550	5105	135	135	5/7	1900	5/7	2000
FF	2700	1850	3750	3330	845	1265	5/5	2000	5/5	2000
	3000	2000	4050	3630	995	1415	5/5	2000	5/5	2000
	3300	2150	4350	3930	1145	1565	5/5	2000	5/5	2000
FFT	4000	1880	5055	4635	875	1295	5/5	1900	5/5	2000
	4500	2045	5550	5130	1040	1460	5/5	1900	5/5	1975
	4750	2130	5800	5380	1125	1545	5/5	1800	5/5	1925
	5000	2245	6050	5630	1240	1660	5/5	1725	5/5	1900
	5500	2480	6555	6135	1475	1895	5/5	1650	5/5	1800
	6000	2645	7050	6630	1640	2060	5/5	1500	5/5	1500

Note : These load capacities are based on the standard chassis without side shifter.

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