



B15T-7 / B18T-7 / B18TL-7 / B20T-7 / B20TL-7

7 SERIES FORKLIFTS

Electric 1.5 to 2.0 ton capacity
3 wheel

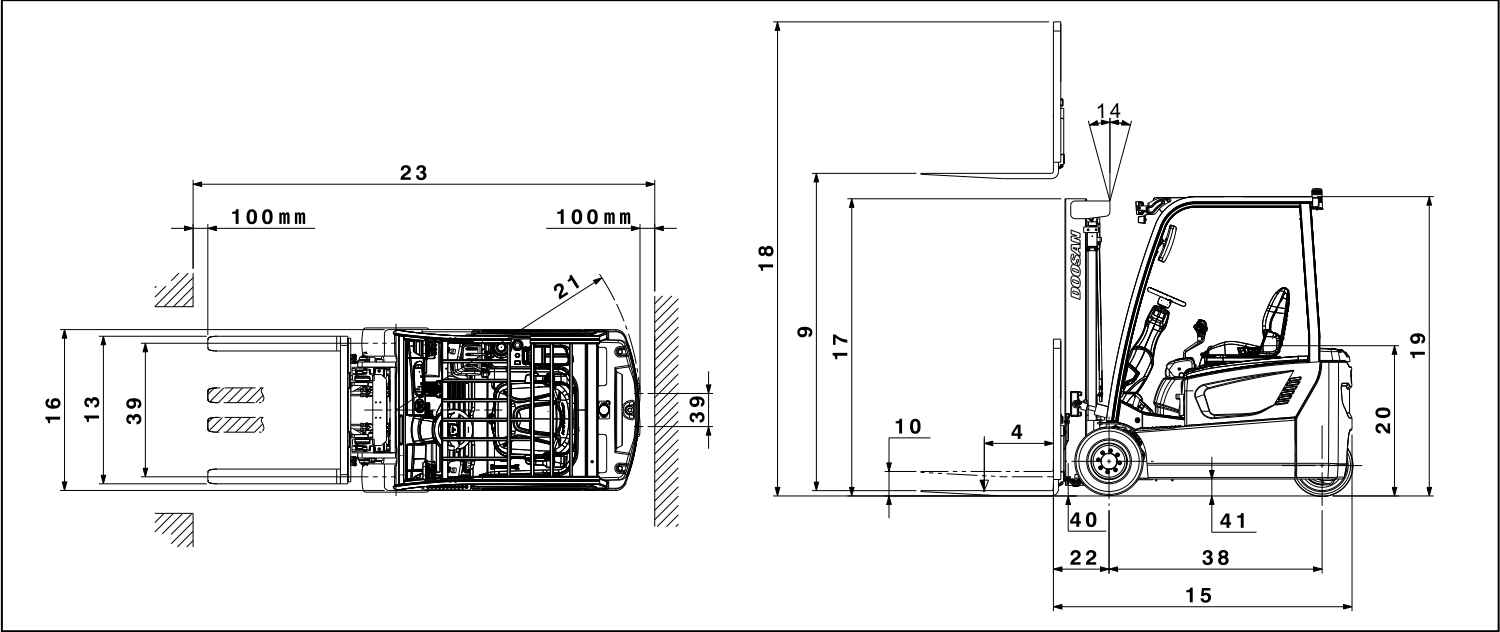


GENERAL SPECIFICATION

CHARACTERISTICS										
2	Model					B15T-7	B18T-7	B18TL-7	B20T-7	B20TL-7
3	Load Capacity	at rated load center			kg	1500	1750	1750	2000	2000
4	Load center				mm	500	500	500	500	500
5	Power type					AC Electric	AC Electric	AC Electric	AC Electric	AC Electric
6	Operator type					Driver Seated	Driver Seated	Driver Seated	Driver Seated	Driver Seated
7	Tire Type	P : Pneumatic, E : Solid Soft, C : Cushion				E, C	E, C	E, C	E, C	E, C
8	Wheels (x=Driven)	Number of front / rear				x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
DIMENSIONS										
9	Max.Fork Height	with STD 2-stage mast			mm	3300	3300	3300	3300	3300
10	Free Lift				mm	130	130	130	135	135
12	Fork carriage	ISO Class				CLASS II	CLASS II	CLASS II	CLASS II	CLASS II
13	Fork	Thickness x Width x Length			mm	35 x 100 x 900	35 x 100 x 900	35 x 100 x 900	40 x 100 x 900	40 x 100 x 900
		Fork Spacing (Min. x Max.)			mm	240 x 905	240 x 905	240 x 905	240 x 905	240 x 905
14	Tilt of Mast	Forward / Backward			deg	5/7	5/7	5/7	5/7	5/7
15	Overall Dimensions	Length to Fork Face			mm	1891	1991	2132	2029	2137
16		Overall Width			mm	1090	1090	1090	1119	1119
17		Mast Lowered Height			mm	2000	2000	2000	2000	2000
18		Mast Extended Height			mm	4345	4345	4345	4350	4350
19		Overhead Guard Height			mm	2010	2010	2010	2010	2010
20		Seat Height			mm	919	919	919	919	919
21	Outer Turning Radius			mm	1515	1615	1756	1648	1756	
	Inner Turning Radius			mm	0	0	0	0	0	
22	Load Moment Center	Center of drive axle to fork face			mm	376	376	376	381	381
23	Right Angle Stacking Aisle Width (With Pallets & Clearance)	Pallet 1000 x 1200 crossways			mm	3216	3316	3457	3354	3462
		Pallet 800 x 1200 lengthways			mm	3341	3441	3582	3479	3587
PERFORMANCE										
24	Speed	Travel	Loaded / Unloaded		km/h	17 / 17	17 / 17	17 / 17	17 / 17	17 / 17
25		Lifting	Loaded / Unloaded		mm/s	400 / 600	400 / 600	400 / 600	400 / 600	400 / 600
26		Lowering	Loaded / Unloaded		mm/s	500 / 450	500 / 450	500 / 450	500 / 450	500 / 450
28	Max. Drawbar pull	Loaded at 1.6km/h			kg	1300	1300	1300	1300	1300
30	Max. Gradeability	Loaded at 1.6km/h			%	26	25	25	24	24
WEIGHT										
32	Total weight	with min. weight of battery			kg	3028	3142	3333	3472	3333
33	Axle Load	Loaded , Front / Rear			kg	3988 / 540	4358 / 534	4372 / 712	4841 / 631	4769 / 564
34		Unloaded , Front / Rear			kg	1495 / 1533	1530 / 1612	1635 / 1698	1623 / 1849	1635 / 1698
CHASSIS										
35	Tires	Number of Wheels (Front / Rear)				2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
36		Size	Front			18x7-8 ¹⁾	18x7-8 ¹⁾	18x7-8 ¹⁾	200x50-10 ¹⁾	200x50-10 ¹⁾
37			Rear			15x4.5-8 ²⁾	15x4.5-8 ²⁾	15x4.5-8 ²⁾	16x6-8 ²⁾	16x6-8 ²⁾
38	Wheel Base	Distance			mm	1323	1423	1554	1446	1554
39	Tread Width	Front			mm	902	902	902	912	912
		Rear			mm	167	167	167	201	201
40	Ground clearance	Loaded	at lowest		mm	86	86	86	86	86
41			at center of wheel base		mm	100	100	100	100	100
42	Brakes	Service				Foot-Electric	Foot-Electric	Foot-Electric	Foot-Electric	Foot-Electric
43		Parking				Auto-Electric	Auto-Electric	Auto-Electric	Auto-Electric	Auto-Electric
POWER TRAIN										
45	Battery	Type				Lead-acid	Lead-acid	Lead-acid	Lead-acid	Lead-acid
		Voltage			V	48	48	48	48	48
		Capacity (5 Hours Rating)	Normal	BS type	AH	440	510	600	585	600
				DIN type	AH	460	525	690	575	690
			Max.	BS type	AH	575	690	-	690	-
				DIN type	AH	500	625	750	625	750
		Battery compartment sizes* (L x W x H)		Normal	mm	528 x 992 x 698	638 x 992 x 698	746 x 992 x 698	638 x 992 x 698	746 x 992 x 698
				BS type	mm	528 x 992 x 698	638 (608) ³⁾ x 992 x 698	-	638 (608) ³⁾ x 992 x 698	-
				DIN type	mm	528 x 992 (842) ⁴⁾ x 698	638 x 992 (842) ⁴⁾ x 698	746 x 992 (842) ⁴⁾ x 698	638 x 992 (842) ⁴⁾ x 698	746 x 992 (842) ⁴⁾ x 698
		Min. Weight			kg	700	800	1000	1000	1000
47	Electric Motors	Drive motor rating at S2 60 minute			kW	6.0 x 2	6.0 x 2	6.0 x 2	6.0 x 2	6.0 x 2
		48	Lifting motor rating at S3 15%			kW	14	14	14	14
54	Control Type	Drive and Hydraulic			Type	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter
55	Drive Axle	Brake Type			Type	E-Motor	E-Motor	E-Motor	E-Motor	E-Motor
57	Relief Pressure	System			kpa	17600	19900	19900	21600	21600
		Attachment			kpa	14000	14000	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.
*Please refer to the technical bulletin and contact your Doosan representative for more detail information of battery size. This specification sheet to VDI guideline 2198 only gives the technical figures for the standard truck. Different tires, other masts, additional equipment etc. could give different figures.

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

B15T-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	mm	mm	mm	mm	mm	mm	deg	kg	deg	kg
	3000	2000	4045	3600	130	130	5/7	1500	5/7	1500
	3300	2150	4345	3900	130	130	5/7	1500	5/7	1500
	3500	2250	4545	4100	130	130	5/7	1500	5/7	1500
	3700	2350	4745	4300	130	130	5/7	1500	5/7	1500
	4000	2550	5045	4600	130	130	5/7	1500	5/7	1500
FF	4500	2800	5545	5100	130	130	5/7	1425	5/7	1450
	2700	1850	3745	3325	845	1265	5/5	1500	5/5	1500
	3000	2000	4045	3625	995	1415	5/5	1500	5/5	1500
	3300	2150	4345	3925	1145	1565	5/5	1500	5/5	1500
FFT	4000	1880	5050	4630	875	1295	5/5	1450	5/5	1475
	4500	2045	5545	5125	1040	1460	5/5	1400	5/5	1425
	4750	2130	5795	5375	1125	1545	5/5	1350	5/5	1375
	5000	2245	6045	5625	1240	1660	5/5	1300	5/5	1350
	5500	2480	6550	6130	1475	1895	5/5	975	5/5	1275
	6000	2645	7045	6625	1640	2060	5/5	650	5/5	1225

B18T-7, B18TL-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	mm	mm	mm	mm	mm	mm	deg	kg	deg	kg
	3000	2000	4045	3600	130	130	5/7	1750	5/7	1750
	3300	2150	4345	3900	130	130	5/7	1750	5/7	1750
	3500	2250	4545	4100	130	130	5/7	1750	5/7	1750
	3700	2350	4745	4300	130	130	5/7	1750	5/7	1750
	4000	2550	5045	4600	130	130	5/7	1750	5/7	1750
FF	4500	2800	5545	5100	130	130	5/7	1650	5/7	1650
	2700	1850	3745	3325	845	1265	5/5	1750	5/5	1750
	3000	2000	4045	3625	995	1415	5/5	1750	5/5	1750
	3300	2150	4345	3925	1145	1565	5/5	1750	5/5	1750
FFT	4000	1880	5050	4630	875	1295	5/5	1675	5/5	1700
	4500	2045	5545	5125	1040	1460	5/5	1600	5/5	1650
	4750	2130	5795	5375	1125	1545	5/5	1525	5/5	1625
	5000	2245	6045	5625	1240	1660	5/5	1400	5/5	1575
	5500	2480	6550	6130	1475	1895	5/5	1025	5/5	1500
	6000	2645	7045	6625	1640	2060	5/5	700	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.

B20T-7, B20TL-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	mm	mm	mm	mm	mm	mm	deg	kg	deg	kg
	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
FF	4500	2800	5550	5105	135	135	5/7	1950	5/7	2000
	2700	1850	3750	3330	845	1265	5/5	2000	5/5	2000
	3000	2000	4050	3630	995	1415	5/5	2000	5/5	2000
FFT	3300	2150	4350	3930	1145	1565	5/5	2000	5/5	2000
	4000	1880	5055	4635	875	1295	5/5	1950	5/5	2000
	4500	2045	5550	5130	1040	1460	5/5	1875	5/5	1975
	4750	2130	5800	5380	1125	1545	5/5	1825	5/5	1925
	5000	2245	6050	5630	1240	1660	5/5	1800	5/5	1900
	5500	2480	6555	6135	1475	1895	5/5	1700	5/5	1800
	6000	2645	7050	6630	1640	2060	5/5	1575	5/5	1500

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

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