

MAST SPECIFICATIONS and RATED CAPACITIES

B15T-7												
Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Rated Load Capacities					
			with Load Backrest	without Load Backrest	with Load Backrest	without Load Backrest	Single Solid Tire			Single Cushion Tire		
							Tilt Angle		Load Cap.	Tilt Angle		Load Cap.
							FWD	BWD		FWD	BWD	
	mm	mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg
STD	3,000	2,000	4,045	3,600	130	130	5	7	1,500	5	7	1,500
	3,300	2,150	4,345	3,900	130	130	5	7	1,500	5	7	1,500
	3,500	2,250	4,545	4,100	130	130	5	7	1,500	5	7	1,500
	3,700	2,350	4,745	4,300	130	130	5	7	1,500	5	7	1,500
	4,000	2,550	5,045	4,600	130	130	5	7	1,500	5	7	1,500
FF	4,500	2,800	5,545	5,100	130	130	5	7	1,425	5	7	1,450
	2,700	1,850	3,745	3,325	845	1,265	5	5	1,500	5	5	1,500
	3,000	2,000	4,045	3,625	995	1,415	5	5	1,500	5	5	1,500
	3,300	2,150	4,345	3,925	1,145	1,565	5	5	1,500	5	5	1,500
FFT	4,000	1,880	5,050	4,630	875	1,295	5	5	1,450	5	5	1,475
	4,500	2,045	5,545	5,125	1,040	1,460	5	5	1,400	5	5	1,425
	4,750	2,130	5,795	5,375	1,125	1,545	5	5	1,350	5	5	1,375
	5,000	2,245	6,045	5,625	1,240	1,660	5	5	1,300	5	5	1,350
	5,500	2,480	6,550	6,130	1,475	1,895	5	5	975	5	5	1,275
	6,000	2,645	7,045	6,625	1,640	2,060	5	5	650	5	5	1,225

B18T-7, B18TL-7

Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Rated Load Capacities					
			with Load Backrest	without Load Backrest	with Load Backrest	without Load Backrest	Single Solid Tire			Single Cushion Tire		
							Tilt Angle		Load Cap.	Tilt Angle		Load Cap.
							FWD	BWD		FWD	BWD	
	mm	mm	mm	mm	mm	mm	deg	deg	LC 500mm	deg	deg	LC 500mm
STD	3,000	2,000	4,045	3,600	130	130	5	7	1,750	5	7	1,750
	3,300	2,150	4,345	3,900	130	130	5	7	1,750	5	7	1,750
	3,500	2,250	4,545	4,100	130	130	5	7	1,750	5	7	1,750
	3,700	2,350	4,745	4,300	130	130	5	7	1,750	5	7	1,750
	4,000	2,550	5,045	4,600	130	130	5	7	1,750	5	7	1,750
FF	4,500	2,800	5,545	5,100	130	130	5	7	1,650	5	7	1,650
	2,700	1,850	3,745	3,325	845	1,265	5	5	1,750	5	5	1,750
	3,000	2,000	4,045	3,625	995	1,415	5	5	1,750	5	5	1,750
	3,300	2,150	4,345	3,925	1,145	1,565	5	5	1,750	5	5	1,750
FFT	4,000	1,880	5,050	4,630	875	1,295	5	5	1,675	5	5	1,700
	4,500	2,045	5,545	5,125	1,040	1,460	5	5	1,600	5	5	1,650
	4,750	2,130	5,795	5,375	1,125	1,545	5	5	1,525	5	5	1,625
	5,000	2,245	6,045	5,625	1,240	1,660	5	5	1,400	5	5	1,575
	5,500	2,480	6,550	6,130	1,475	1,895	5	5	1,025	5	5	1,500
	6,000	2,645	7,045	6,625	1,640	2,060	5	5	700	5	5	1,400

B20T-7, B20TL-7

Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Rated Load Capacities					
			with Load Backrest	without Load Backrest	with Load Backrest	without Load Backrest	Single Solid Tire			Single Cushion Tire		
							Tilt Angle		Load Cap.	Tilt Angle		Load Cap.
							FWD	BWD		FWD	BWD	
	mm	mm	mm	mm	mm	mm	deg	deg	kg	deg	deg	kg
STD	3,000	2,000	4,050	3,605	135	135	5	7	2,000	5	7	2,000
	3,300	2,150	4,350	3,905	135	135	5	7	2,000	5	7	2,000
	3,500	2,250	4,550	4,105	135	135	5	7	2,000	5	7	2,000
	3,700	2,350	4,750	4,305	135	135	5	7	2,000	5	7	2,000
	4,000	2,550	5,050	4,605	135	135	5	7	2,000	5	7	2,000
FF	4,500	2,800	5,550	5,105	135	135	5	7	1,950	5	7	2,000
	2,700	1,850	3,750	3,330	845	1,265	5	5	2,000	5	5	2,000
	3,000	2,000	4,050	3,630	995	1,415	5	5	2,000	5	5	2,000
	3,300	2,150	4,350	3,930	1,145	1,565	5	5	2,000	5	5	2,000
FFT	4,000	1,880	5,055	4,635	875	1,295	5	5	1,950	5	5	2,000
	4,500	2,045	5,550	5,130	1,040	1,460	5	5	1,875	5	5	1,975
	4,750	2,130	5,800	5,380	1,125	1,545	5	5	1,825	5	5	1,925
	5,000	2,245	6,050	5,630	1,240	1,660	5	5	1,800	5	5	1,900
	5,500	2,480	6,555	6,135	1,475	1,895	5	5	1,700	5	5	1,800
	6,000	2,645	7,050	6,630	1,640	2,060	5	5	1,575	5	5	1,500

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

Specification values quoted in this catalog have been rounded.

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

Performance may vary due to operating conditions.

The performance shown represents nominal values obtained under typical operating conditions.

B16X-7												
Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Rated Load Capacities					
			with Load Backrest	without Load Backrest	with Load Backrest	without Load Backrest	Single Solid Tire			Single Pneumatic Tire		
							Tilt Angle		Load Cap.	Tilt Angle		Load Cap.
							FWD	BWD		FWD	BWD	
	mm	mm	mm	mm	mm	mm	deg	deg	LC 500mm	deg	deg	LC 500mm
STD	3,000	2,000	4,045	3,600	130	130	5	7	1,600	5	7	1,600
	3,300	2,150	4,345	3,900	130	130	5	7	1,600	5	7	1,600
	3,500	2,250	4,545	4,100	130	130	5	7	1,600	5	7	1,600
	3,700	2,350	4,745	4,300	130	130	5	7	1,600	5	7	1,600
	4,000	2,550	5,045	4,600	130	130	5	7	1,600	5	7	1,600
FF	4,500	2,800	5,545	5,100	130	130	5	7	1,600	5	7	1,600
	2,700	1,850	3,745	3,325	845	1,265	5	5	1,600	5	5	1,600
	3,000	2,000	4,045	3,625	995	1,415	5	5	1,600	5	5	1,600
	3,300	2,150	4,345	3,925	1,145	1,565	5	5	1,600	5	5	1,600
FFT	4,000	1,880	5,050	4,630	875	1,295	5	5	1,600	5	5	1,600
	4,500	2,045	5,545	5,125	1,040	1,460	5	5	1,550	5	5	1,525
	4,750	2,130	5,795	5,375	1,125	1,545	5	5	1,500	5	5	1,475
	5,000	2,245	6,045	5,625	1,240	1,660	5	5	1,450	5	5	1,450
	5,500	2,480	6,550	6,130	1,475	1,895	5	5	1,350	5	5	1,350
	6,000	2,645	7,045	6,625	1,640	2,060	5	5	1,250	5	5	1,075

B18X-7												
Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Rated Load Capacities					
			with Load Backrest	without Load Backrest	with Load Backrest	without Load Backrest	Single Solid Tire			Single Pneumatic Tire		
							Tilt Angle		Load Cap.	Tilt Angle		Load Cap.
							FWD	BWD		FWD	BWD	
	mm	mm	mm	mm	mm	mm	deg	deg	LC 500mm	deg	deg	LC 500mm
STD	3,000	2,000	4,045	3,600	130	130	5	7	1,800	n/a	n/a	n/a
	3,300	2,150	4,345	3,900	130	130	5	7	1,800			
	3,500	2,250	4,545	4,100	130	130	5	7	1,800			
	3,700	2,350	4,745	4,300	130	130	5	7	1,800			
	4,000	2,550	5,045	4,600	130	130	5	7	1,800			
	4,500	2,800	5,545	5,100	130	130	5	7	1,700			
FF	2,700	1,850	3,745	3,325	845	1,265	5	5	1,800	n/a	n/a	n/a
	3,000	2,000	4,045	3,625	995	1,415	5	5	1,800			
	3,300	2,150	4,345	3,925	1,145	1,565	5	5	1,800			
FFT	4,000	1,880	5,050	4,630	875	1,295	5	5	1,800	n/a	n/a	n/a
	4,500	2,045	5,545	5,125	1,040	1,460	5	5	1,750			
	4,750	2,130	5,795	5,375	1,125	1,545	5	5	1,600			
	5,000	2,245	6,045	5,625	1,240	1,660	5	5	1,550			
	5,500	2,480	6,550	6,130	1,475	1,895	5	5	1,475			
	6,000	2,645	7,045	6,625	1,640	2,060	5	5	1,350			

MAIN SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer		DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
	2	Model		B15T-7	B18T-7	B18TL-7	B20T-7	B20TL-7
	3	Load Capacity	at rated load center	kg	1,500	1,750	1,750	2,000
	4	Load Center		mm	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, C= cushion	E/C	E/C	E/C	E/C	E/C
	8	Wheels (x = driven)		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	3,300	3,300	3,300	3,300
	10	Free Lift		mm	130	130	130	135
	12	Fork carriage	ISO Class		II	II	II	II
	13	Forks	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
			Fork Spacing (min. x max.)	mm	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
	15	Overall Dimensions	Length to Fork Face	mm	1,891	1,991	2,132	2,137
	16		Overall Width	mm	1,090	1,090	1,090	1,119
	17		Mast Lowered Height	mm	2,150	2,150	2,150	2,150
	18		Mast Extended Height	mm	4,345	4,345	4,350	4,350
	19		Overhead Guard Height	mm	2,010	2,010	2,010	2,010
	20		Seat Height	mm	919	919	919	919
	21a	Outer Turning Radius		mm	1,515	1,615	1,756	1,756
	21b	Inner Turning Radius		mm	-	-	-	-
	22	Load Moment Center	Center of drive axle to fork face	mm	376	376	376	381
	23	Right Angle Stacking Aisle Width (with Pallets & Clearance)	Pallet 1000 x 1200 crossways	mm	3,216	3,316	3,457	3,462
			Pallet 800 x 1200 lengthways	mm	3,341	3,441	3,582	3,587
PERFORMANCE	24	Speed	Travel	Loaded / Unloaded	km/h	17/17	17/17	17/17
	25		Lifting	Loaded / Unloaded	mm/s	400/600	400/600	400/600
	26		Lowering	Loaded / Unloaded	mm/s	500/450	500/450	500/450
	28		Max. Drawbar pull	Loaded at 1.6 km/h	kg	1300	1,300	1,300
	30	Max. Gradeability	Loaded at 1.6 km/h	%	26	25	25	24
WEIGHT	32	Total weight	with min. weight of battery	kg	3028	3,142	3,333	3,333
	33	Axle Load	Loaded, Front / Rear	kg	3988/540	4,358/534	4,372/712	4,769/564
	34		Unloaded, Front / Rear	kg	1495/1533	1,530/1612	1,623/1849	1,635/1698
CHASSIS	35	Tires	Number of Wheels (Front/Rear)			2/2	2/2	2/2
	36		Size	Front	18x7-8 (1)	18x7-8 (1)	18x7-8 (1)	200x50-10 (1)
	37			Rear	15x4.5-8 (2)	15x4.5-8 (2)	15x4.5-8 (2)	16x6-8 (2)
	38	Wheel Base	Distance		1,323	1,423	1,554	1,554
					mm	902	902	912
	39	Tread Width	Front		mm	167	167	201
			Rear		mm	86	86	86
	40	Ground clearance	Loaded	at lowest	mm	100	100	100
	41			at center of wheel base	mm	100	100	100
	42	Brakes	Service		hydraulic	hydraulic	hydraulic	hydraulic
	43		Parking		auto-electric	auto-electric	auto-electric	auto-electric
POWER TRAIN	45	Battery	Type		lead-acid	lead-acid	lead-acid	lead-acid
			Voltage		V	48	48	48
			Capacity (5 Hours Rating)	Normal	BS type	AH	440	510
					DIN type	AH	460	525
				Max.	BS type	AH	575	690
					DIN type	AH	500	625
			Battery compartment sizes (W x L x H) Max.	Normal	mm	528 x 992 x 698	638 x 992 x 698	746 x 992 x 698
				BS Type	mm	528 x 992 x 698	638 (608) x 992 x 698 (3)	-
				DIN Type	mm	528 x992 (842) x 698 (4)	638 x 992 (842) x 698 (4)	746 x 992 (842) x 698 (4)
			Min. Weight		kg	700	800	1,000
	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	MOSFET inverter
	55	Drive Axle	Brake type	type	ODB	ODB	ODB	ODB
	57	Relief Pressure	System		kpa	17,600	19,900	21,600
			Attachment		kpa	14,000	14,000	14,000

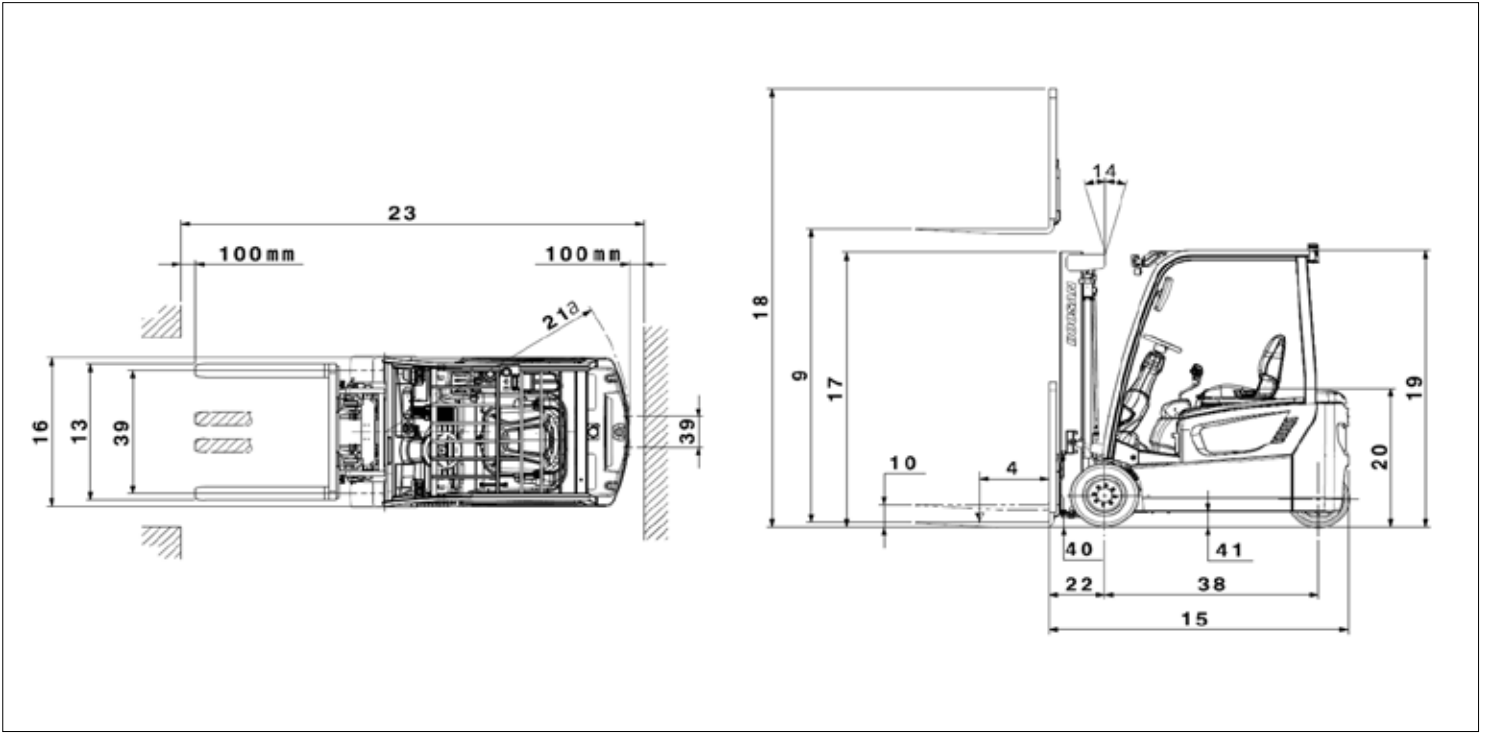
(1) optional: cushion Tires 18x7 - 12.12

(2) optional: cushion Tires 15 x 6 - 12.15

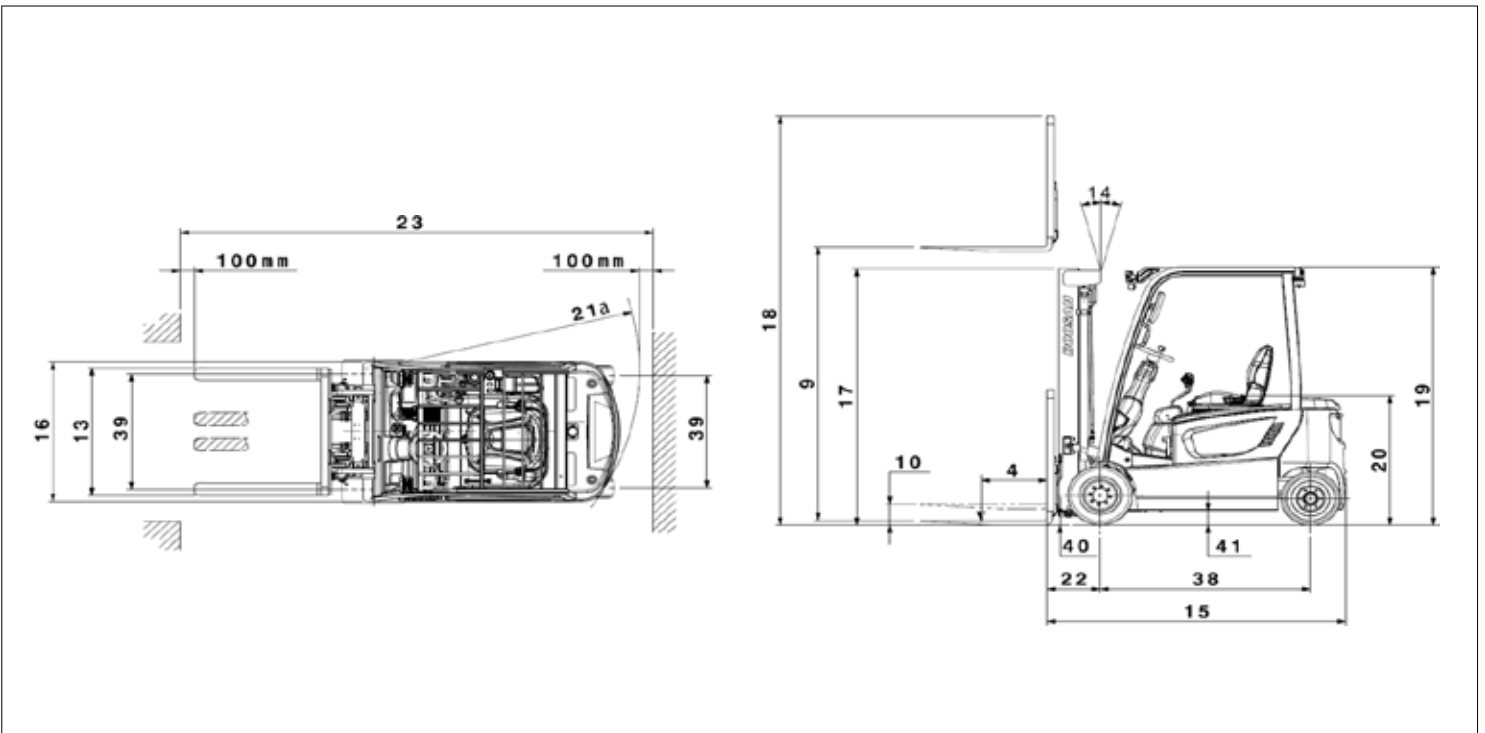
(3) if the operator uses a BS Type Battery (608mm length/575, 630, 690AH/5h capacity), a special accessory (stopper) should be chosen.

(4) if the operator uses a DIN Type Battery (842mm width), a special accessory (bracket) should be chosen.

DIMENSIONAL DRAWING - 3-wheel



DIMENSIONAL DRAWING - 4-wheel



(5) optional: pneumatic Tires

(6) optional: pneumatic Tires

