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Doosan Warehouse Equipment

Electric Pallet Truck BWSE15S-7, BPSE15S-7

Electric Stacker BWE20S-7, BPPE20S-7

Tow Tractor BTT20/30/50/60S-7



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SEP 2015

AUTHORIZED DEALER

Lifting Your Dreams

About Doosan

Values that drive our future growth



Trust in people is the foundation on which Doosan has built its century of success

Doosan has always put 'People' first for the past 100 years, based on our management philosophies.- 'Business is not meant to make profits, but to help people grow.' (Late Too Pyung Park, First Chairman), and continues to spur corporate development with global competitiveness originated from human resources.

Doosan the oldest, but fastest growing company

Doosan has recorded the longest business history since its inauguration in 1896, but has grown at its most rapid pace for the past 10 years.

Doosan-the global Infrastructure Support Business (ISB) company

Doosan has created in excess of 90% of its sales within the ISB sector through vigorous reorganization of its business portfolio since 1998.

In the past, 70% of our business was concentrated on consumer goods, but we have successfully transformed our business DNA to the infrastructure support business that constructs and reinforces social infrastructure.

Doosan, surging as a global company

Doosan has become the global ISB leader based on its world class products and services.

In addition, as a true global company, Doosan's overseas employees encompass 50% of its human resources, and overseas sales take more than over 60% of the total sales.

Doosan Industrial Vehicle

Major global player in the infrastructure support business with a proud heritage

With a proud history dating back to 1937, when we first started out as Chosun Machinery, Doosan Industrial Vehicle has grown into Korea's largest machinery manufacturer, playing a leading role in the development of the industry in Korea.

Today, we are a global enterprise. We operate large-scale plants and sales subsidiaries both at home and overseas and maintain an operational network that spans continents.

Committed To Innovation

We remain committed to the advancement of new technologies and development of talented individuals, positioning us to respond effectively to the rapid changes taking place in the 21st century. Our mission is to strengthen our global position and become the industry leader well into the future.

Committed To Our Customers

We are committed to our customers, providing superior products and excellent services to go with them.

Our Promise

Doosan Industrial Vehicles will be the partner you can count on, always putting our commitment to you first.

Award-Winning Machines

Doosan currently holds a number of export, design & safety awards, including five Forklift Truck Association awards for Design Excellence.



LINE UP



BWE20S-7
Walkie Pallet Truck
Capacity: 2t



BPPE20S-7
Platform Pallet Truck
Capacity: 2t



BWSE15S-7
Electric Walkie Stacker
Capacity: 1.5t
Lift Height: 2500-5600mm



BPSE15S-7
Electric Platform Stacker
Capacity: 1.5t
Lift Height: 2500-5600mm



BTT20/30/50/60-7
Tow Tractor
Capacity: 2/3/5/6t

Economy, First Class

Doosan's Warehouse Equipments can move and store products in your warehouse without a large investment. Our simple design allows for maneuverability, clear visibility, ease of use, reduced errors and consequential damage.

Customer minded design



Technology That Works

Curtis solid state controllers provide smooth acceleration and seamless directional control. Its Regenerative Braking feature adds energy back to the battery to improve efficiency.



Power and Performance

The benefit of AC drive motor is you're provided faster acceleration, more fatigue, higher efficiency and lower maintenance cost due to the brush-less design.



Easy Maintenance Check

All Doosan Warehouse Equipments come standard with an Hour Meter/Battery Discharge Indicator to keep track of hours and reserve battery power at a glance.



Operator Friendly

A convenient storage compartment is included on our Electric Pallet Truck and Stacker to hold those items that the operator needs to get the job done.



BWSE15S-7

BPPE20S-7

Walkie Pallet Truck **BWE**

Low Speed / Brake Override Switch

Allows creep speed operation with handle in the upright position. Increases ability to maneuver in tight spaces.

Ergonomic Handle

Reduces operator's fatigue.



Dual Lift Cylinders

Increases stability by lifting loads smoothly and evenly.

Hour Meter / BDI

Keeps track of hours used and reserves battery power at a glance.



CAN Bus Technology

This reduces the number of electrical connections and potential for problems making the system less complicated and more reliable.

Poly Drive Tire

Provides longer tire life and has lower energy consumption versus a rubber tire.



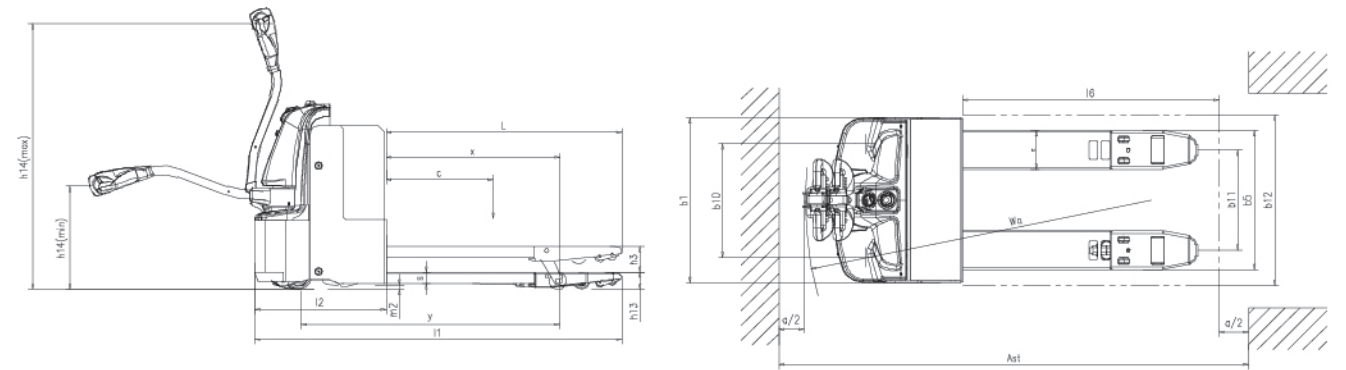
One-piece High Tensile Steel Forks

Are formed into a C-channel and reinforced in critical areas.



Pallet Entry Rollers

Eases pallet entry and exit.



Specification

Characteristics		
1	Doosan name	BWE20S-7
2	Drive type	electric
3	Operation type	walkie
4	Load capacity	kg 2000
5	Load center distance	c mm 600
6	Wheelbase	y mm 1211/1261/1331
Chassis		
7	Tyres	polyurethane
8	Wheels,number front rear(x = driven wheels)	1X+2/2
Dimensions		
9	Max.lift height	h3 mm 200
10	Overall length	l1 mm 1655/1705/1775
11	Length to face of forks	l2 mm 555
12	Overall width	b1 mm 775
13	Fork dimensions	s/e/l mm 53X180X1100(1150/1220)
14	Width overall forks	b5 mm 520/550/650/685
15	Ground clearance,centre of wheelbase	m2 mm 28
16	Aisle width for pallets 1000x1200 crossways	Ast mm 2015/2065/2135
17	Aisle width for pallets 800x1200 crossways	Ast mm 2115/2115/2135
Performance		
18	Turning radius	Wa mm 1400/1450/1520
19	Travel speed,laden/unladen	km/h 5.5/5.6
20	Lift speed,laden/unladen	m/s 0.039/0.056
21	Lowering speed,laden/unladen	m/s 0.064/0.050
22	Gradeability, laden/unladen	% 6/12
23	Service brake	Electro magnetic
24	Battery vologem,nominal capacity K5	V/Ah 24/210
25	Drive motor rated output	kW 1.2
26	Battery department size	mm 750X170X534

* Specifications and dimensions of vehicles may change without notice for quality improvement, and images shown in this catalogue may differ with actual ones.

Platform Pallet Truck **BPPE**

Ergonomic Handle

Reduces operator's fatigue.



Hour Meter / BDI

Keeps track of hours used and reserves battery power at a glance.



Industry Battery and Locker



Foldable Platform with Speed Sensor

Aids productivity in long distance applications without compromising maneuverability.



Pallet Entry Rollers

Eases pallet entry and exit.



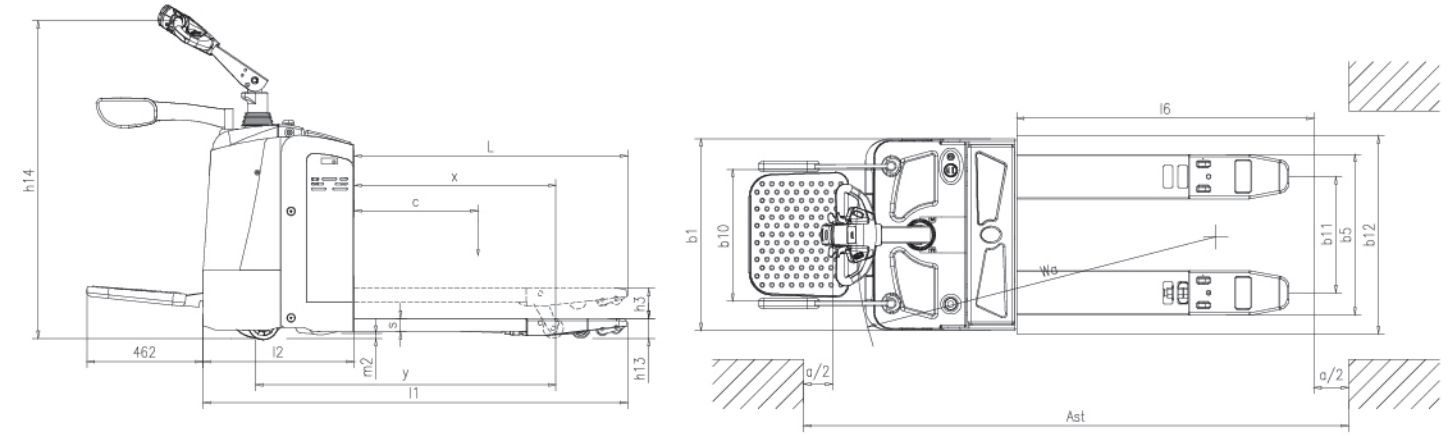
Poly Drive Tire

Provides longer tire life and has lower energy consumption versus a rubber tire.



One-piece High Tensile Steel Forks

Are formed into a C-channel and reinforced in critical areas.



Specification

Characteristics			
1	Doosan name		BPPE20S-7
2	Drive type		electric
3	Operation type		standing
4	Load capacity	kg	2000
5	Load centre distance	c mm	600
6	Wheelbase	y mm	1211/1261/1331
Chassis			
7	Tyres		polyurethane
8	Wheels, number front rear(x = driven wheels)		1X+2/2
Dimensions			
9	Max. lift height	h3 mm	200
10	Overall length	l1 mm	1710/1760/1830
11	Overall width	b1 mm	775
12	Fork dimensions	s/e/l mm	53X180X1100(1150/1220)
13	Width overall forks	b5 mm	520/550/650/685
14	Aisle width for pallets 1000x1200(1200crossways)	Ast mm	1910/1960/2030
15	Aisle width for pallets 800x1200(1200lengthways)	Ast mm	2010/2010/2030
Performance			
16	Turning radius	Wa mm	1550/1600/1670
17	Travel speed, laden/unladen	km/h	7/7.1
18	Lift speed, laden/unladen	mm/s	0.039/0.056
19	Lowering speed, laden/unladen	mm/s	0.064/0.050
20	Max. gradeability, laden/unladen	%	8/20
21	Service brake		Electro magnetic
22	Battery voltage/nominal capacity	v/Ah	24/210
23	Drive motor rated output	kW	1.2
24	Battery department size	mm	750x170x534

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Hour Meter / BDI

Doosan Stacker comes standard with a digital Hour Meter/Battery Discharge Indicator to keep track of hours used and reserve battery power at a glance.

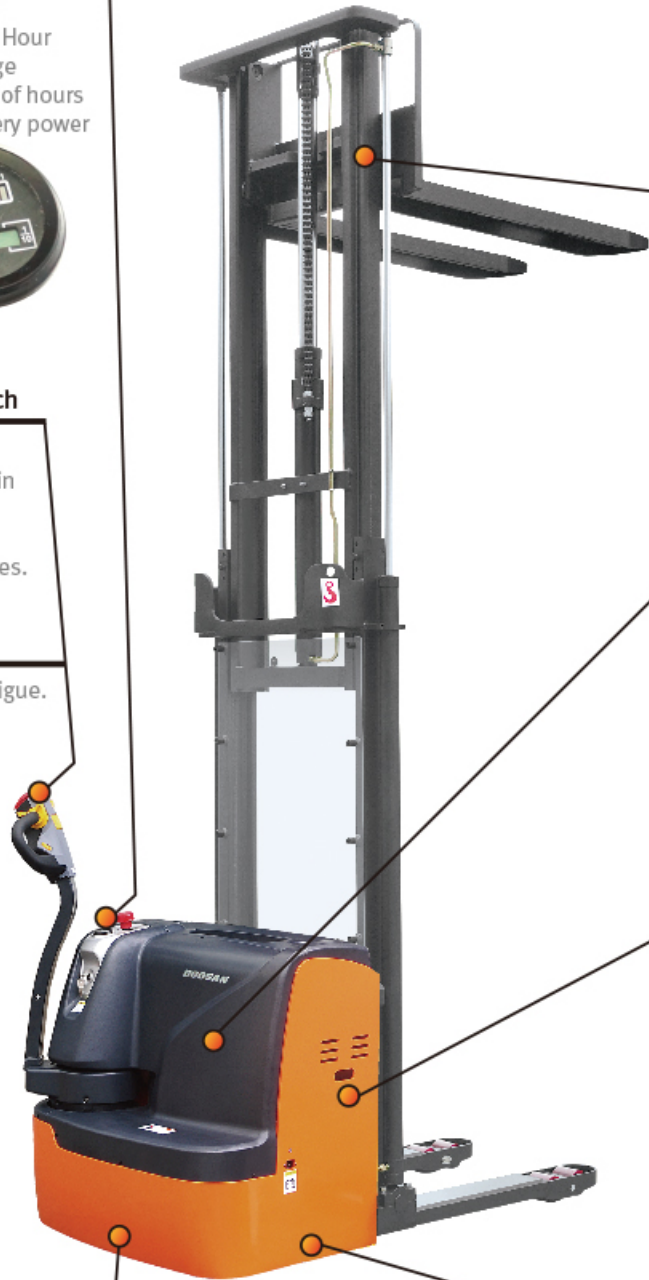


Low Speed / Brake Override Switch

Allows creep speed operation with handle in the upright position. Increases ability to maneuver in tight spaces.

Ergonomic Handle

Reduces operator's fatigue.



Six Mast Heights

2500mm, 3000mm, 3300mm, 4500mm, 5000mm, 5600mm, Versatility to meet your application.

CAN Bus Technology

This reduces the number of electrical connections and potential for problems making the system less complicated and more reliable.

Roll Out Battery Tray

Allows for easy maintenance, removal and replacement.

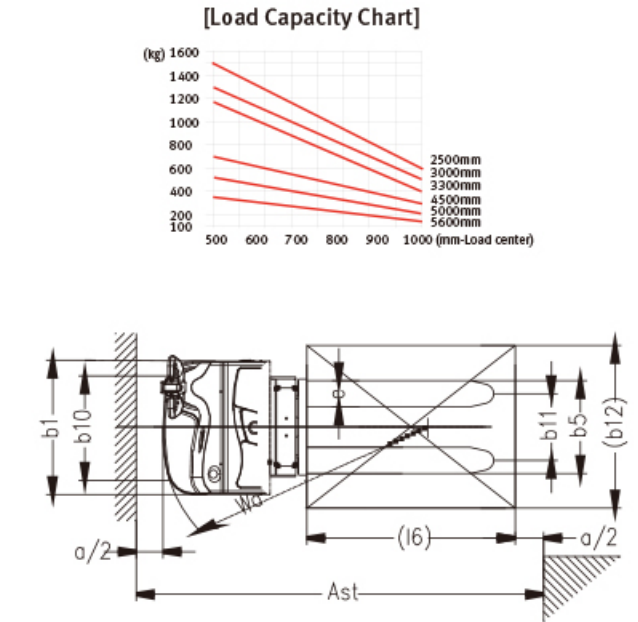
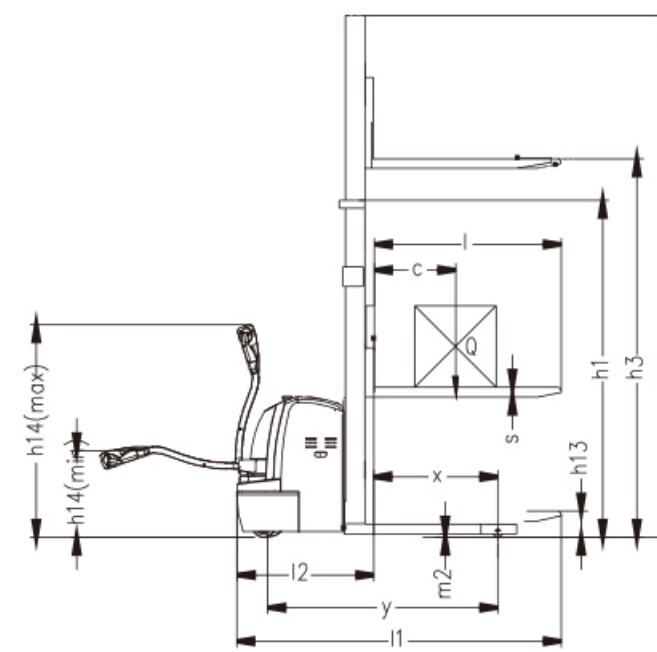


Adjustable Spring Loaded Caster

Stabilizes electric stacker with loads at height.

Poly Drive Tire

Provides longer tire life and has lower energy consumption versus a rubber tire.



Specification

Characteristics		BWSE15S-7	
1	Doosan Name	BWSE15S-7	
2	Drive type	Electric	Electric
3	Operation type	pedestrian	pedestrian
4	Load capacity	kg	1500
5	Load centre distance	mm	600
6	Wheelbase	y mm	1410
7	Load distance, centre of drive axle to fork	x mm	697
8	Fork height, lowered	h13 mm	90
Chassis			
9	Tyres	polyurethane	polyurethane
10	Tyre size, front	φ250×70	φ250×70
11	Tyre size rear	φ80×70	φ80×84
12	Additional wheels(dimensions)	φ150×60	φ150×60
Dimensions			
13	Height, mast lowered	h1 mm	1837/2087/2237
14	Max. lift height	h3 mm	2500/3000/3300
15	Height, mast extended	h4 mm	3087/3587/3887
16	Height of tiller in drive position min./max.	h14 mm	670/1330
17	Overall length	l1 mm	2045
18	Overall width	b1 mm	820
19	Fork dimensions	s/e/l mm	60/170/1070(1150)
20	Width overall forks	b5 mm	580/695
21	Aisle width for pallets 1000×1200 crossways	Ast mm	2480
22	Aisle width for pallets 800×1200 lengthways	Ast mm	2450
Performance			
23	Turning radius	wa mm	1605
24	Travel speed, laden / unladen	Kw/h	5.8/6
25	Lift speed, laden / unladen	m/s	0.06/0.13
26	Lowering speed, laden / unladen	m/s	0.13/0.10
27	Service brake		Electromagnetic
28	Drive motor rated output	kW	1.2
29	Battery voltage, nominal capacity K5	V/Ah	24/200
30	Battery weight	kg	200
31	Battery department size	mm	800x254x320

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Platform Stacker BPSE

Six Mast Heights

2500mm, 3000mm, 3300mm, 4500mm, 5000mm, 5600mm, Versatility to meet your application.

Hour Meter / BDI

Doosan Stacker comes standard with a digital Hour Meter / Battery Discharge Indicator to keep track of hours used and reserve battery power at a glance.



Low Speed / Brake Override Switch

Allows creep speed operation with handle in the upright position. Increases ability to maneuver in tight spaces.

Ergonomic Handle

Reduces operator's fatigue.

Foldable Platform

Allows long distance driving without fatigue on foot.

Poly Drive Tire

Provides longer tire life and has lower energy consumption versus a rubber tire.

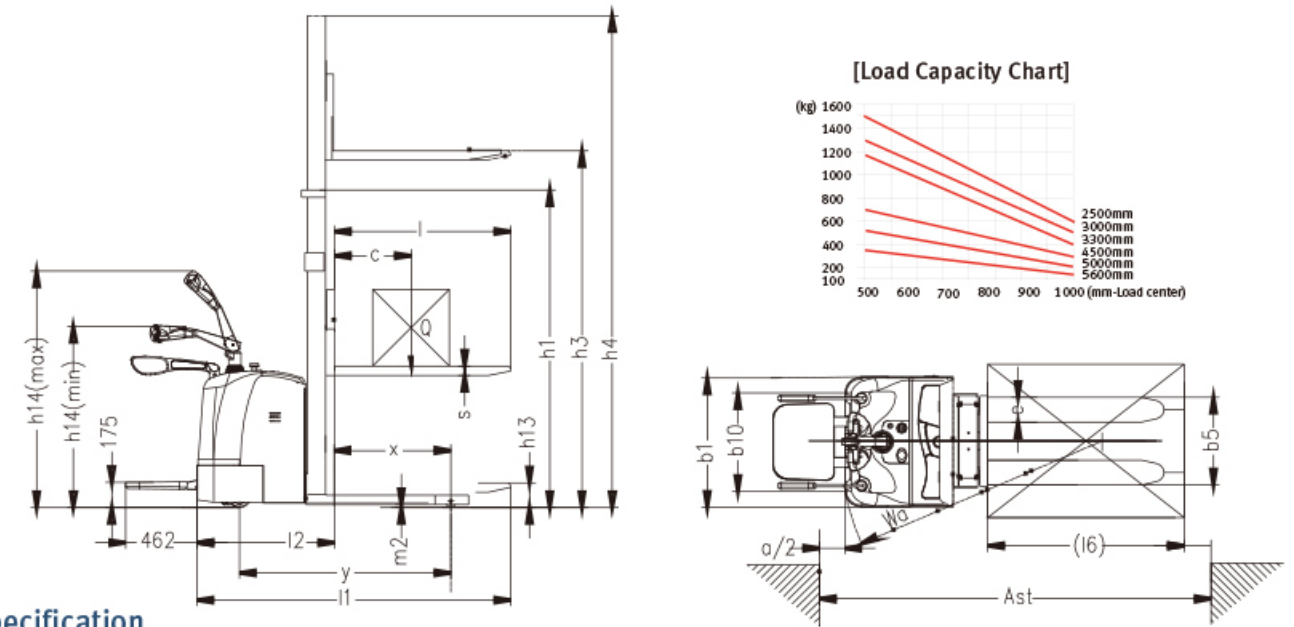
Initial Lifting with Double Pallet

Maximize operation efficiency with double pallet handling.



Roll Out Battery Tray

Allows for easy maintenance, removal and replacement.



Specification

Characteristics		BPSE15S-7	
1 Doosan Name		BPSE15S-7	
2 Drive type		Electric	Electric
3 Operator type		Standing	Standing
4 Load capacity/rated load	kg	1500	1500
5 Load centre distance	c mm	600	600
6 Wheelbase	y mm	1405	1378
7 Fork height, lowered	h13 mm	90	90
8 Axle loading, laden front/rear	kg	1280/1070	1440/1280
9 Axle loading, unladen front/rear	kg	200/650	870/350
Chassis			
10 Tyres		polyurethane	polyurethane
11 Tyre size, front	mm	φ 250×70	φ 250×70
12 Tyre size, rear	mm	φ 80×70	φ 80×84
13 Additional wheels(dimensions)	mm	φ 150×60	φ 150×60
14 Wheels, number front rear(x=driven wheels)		1x+2/2	1x+2/4
15 Tread, front	b10 mm	586	580
16 Tread, rear	b11 mm	410/525	404/530
Dimensions			
17 Height, mast lowered	h1 mm	1837/2087/2237	2050/2210/2410
18 Free lift	h2 mm	~	1570/1740/1940
19 Max. lift height	h3 mm	2500/3000/3300	4500/5000/5600
20 Height, mast extended	h4 mm	3087/3587/3887	5070/5550/6150
21 Initial lift	h14 mm	1150/1450	1150/1450
22 Overall length	l1 mm	2025	2020/2100
23 Length to face of forks	l2 mm	920	950
24 Overall width	b1 mm	850	850
25 Fork dimensions	s/e/l mm	60/170/1070(1150)	60/180/1070(1150)
26 Width overall forks	b5 mm	580/695	570/695
27 Ground clearance, centre of wheelbase	m2 mm	28	31
28 Aisle width for pallets 1000×1200 crossways	Ast mm	2550	2535
29 Aisle width for pallets 800×1200 lengthways	Ast mm	2520	2515
Performance			
30 Turning radius	wa mm	1655	1655
31 Travel speed, laden/unladen	Km/h	5.8/6	6.5/6.7
32 Lift speed, laden/unladen	m/s	0.06/0.13	0.11/0.14
33 Lowering speed, laden/ unladen	m/s	0.13/0.10	0.12/0.12
34 Gradeability, laden/ unladen	%	6/15	8/15
35 Service brake		Electromagnetic	Electromagnetic
36 Drive motor rated output	kW	1.2	1.2
37 Battery voltage, nominal capacity K5	V/Ah	24/200	24/300
38 Battery weight	kg	200	300
39 Battery compartment dimensions l/w/h	mm	800x254x320	675x254x540

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Tow Tractor

BTT

Spinner Knob

For easier maneuverability in tight spaces.

Adjustable Steer Column

For operator comfort.

Hour Meter/ Discharge Indicator

Keeps operator informed of battery reserve capacity and maintenance intervals.



Full Light Package

- Head Lights and Tail Lights
- Directional Indicator for Safety and Visibility.



Back Cover

Easy to open for service



Large capacity batteries

Located in the lowest part of frame, offers low center of gravity.



Trailer 4wheels (Option)

-3t Trailer, 6t Trailer

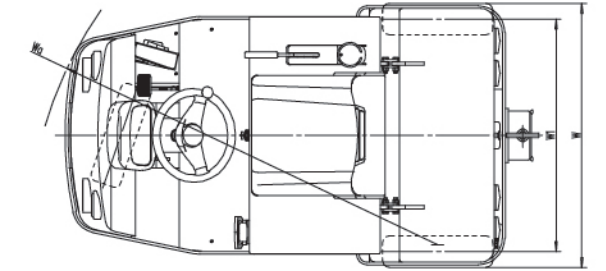
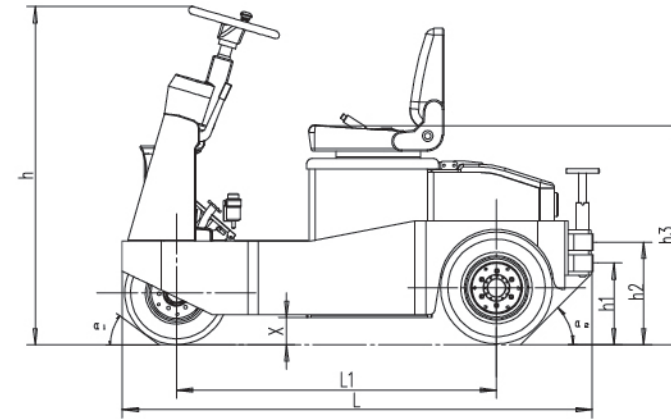
Seat Belt

For operator's safety.



Hand Park Brake / Foot Brake and Accelerator Pedal

Automotive style for familiarity.



Specification

Characteristics						
1	Model		BTT20S-7	BTT30S-7	BTT50S-7	BTT60S-7
2	Rated traction weight	kg	2,000	3,000	5,000	6,000
3	Rated traxtion weight (60 minutes rated)	kg	50	75	125	150
4	Max. traxtion weight (5 minutes rated)	kg	200	300	500	600
Weight						
5	Weight	kg	930	980	1160	1280
6	Axle loading - front/rear	kg	330/600	350/630	410/750	450/830
7	Battery weight	kg	350	400	530	610
Chassis						
8	Wheelbase	L ₁ mm	1170	1170	1280	1280
9	Rear hanging distance	L ₂ mm	350	350	450	450
10	Tread - front/rear	W ₂ /W ₁ mm	0/860	0/860	0/946	0/946
Dimensions						
11	Seat height	h ₃ mm	850	850	910	910
12	Overall height	h mm	1250	1250	1250	1250
13	Overall length	L mm	1720	1720	1940	1940
14	Overall width	w mm	970	970	1100	1100
15	Drawbar center height	h ₁ /h ₂ mm	280/350	280/350	280/350	280/350
16	Ground clearance	x mm	100	100	100	100
Performance						
17	Turning radius	w _a mm	1519	1519	1650	1650
18	Travel speed - laden/unladen	km/h	8/13	7/13	8/14	7/14
19	Brake		Mechanical, Hydraulic			
20	Battery voltage	V/Ah	48/240	48/270	48/360	48/400
21	Travel control		Microcomputer mostefet			
22	Battery compartment size	mm	848 x 428 x 600		948 x 540 x 656	

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Complementary Products

Doosan manufactures a wide range of quality products utilizing the latest technology and safety features.

Doosan's forklifts and warehouse equipment provide excellent mobility and increased return on your investment over larger more expensive units.

Combined with our Electric, LPG, and Diesel powered forklifts, Doosan's forklift products will bring efficiency to your operation, increasing your overall productivity.

Application Chart						
Transporting						
	Hand Pallet Truck	Walkie Pallet Truck	Rider Pallet Truck	Tugger	Center Control Rider	Electric Counterbalanced Truck
Storage / Stacking						
		Walkie Stacker	Platform Stacker	Walkie Reach Stacker	Reach Truck	
Warehouse Vehicle						
			Stock Chaser	Tow Tractor	Personnel Carrier	Burden Carrier

COUNTERBALANCED FORKLIFT



Internal Combustion Forklift
1.5t - 9.0t capacity



High Capacity Forklift
11.0t - 25.0t capacity



Electric Forklift
1.3t - 5.0t capacity

WAREHOUSE VEHICLE



Burden Carrier *
2.0t - 2.5t capacity



Personnel Carrier *
0.5t capacity



Stock Chaser *
0.45t capacity



Tow Tractor
2.0t - 6.0t capacity

REACH TRUCK



Euro Reach Truck
1.4t - 1.6t capacity / 9,500mm



Pantograph Reach Truck
1.6t - 1.8t capacity / 8,000mm

WAREHOUSE EQUIPMENT



Hand Pallet Truck
2.5t capacity



Rider Pallet Truck *
3.0t capacity



Center Control Rider *
3.0t capacity



Tugger *
4.5t towing capacity



Platform Stacker
1.5t capacity
2,500-5,600mm

Walkie Stacker
1.5t capacity
2,500-5,600mm

Walkie Pallet Truck
2.0t capacity

Platform Pallet Truck
2.0t capacity

* Under development. Please contact local sales.