



Electric Reach Truck

1,400kg to 1,600kg Capacity

BR14JW-7/ BR16JW-7



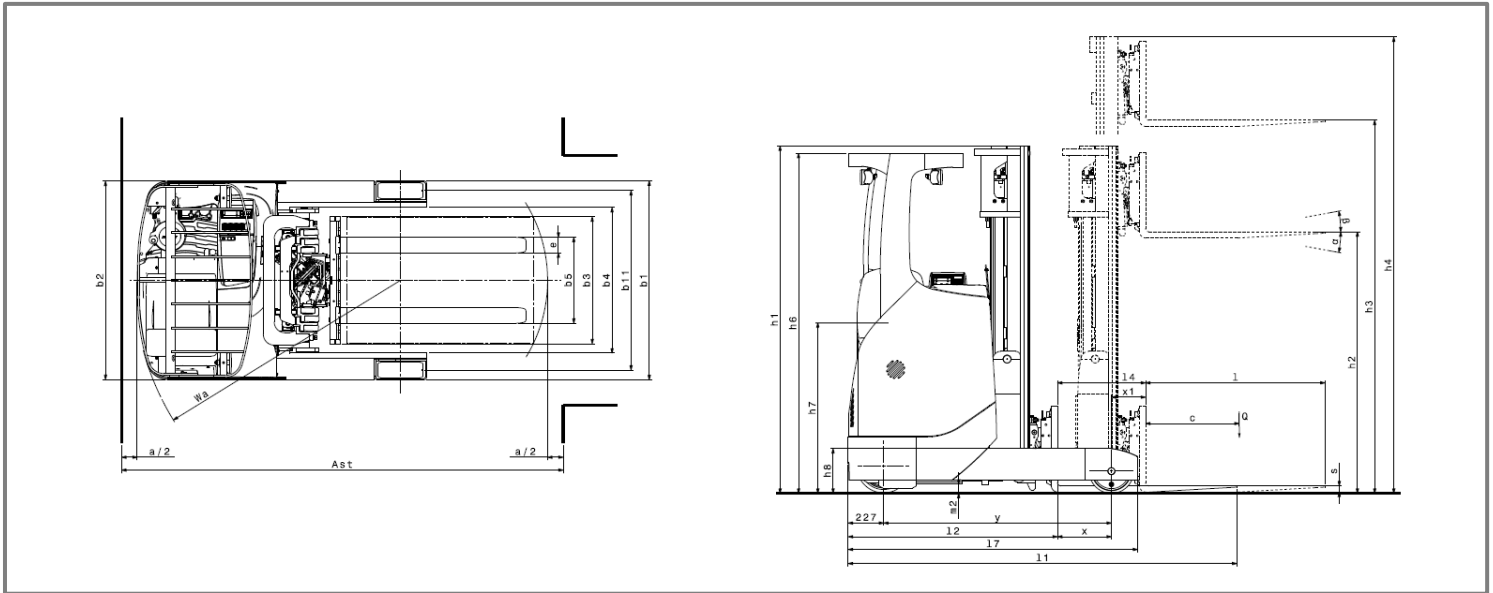
Main Vehicle Specification

Identification	1.1	Manufacturer		Doosan	Doosan
	1.2	Model designation		BR14JW-7	BR16JW-7
	1.3	Drive		Electric	Electric
	1.4	Operator type		Seat	Seat
	1.5	Load capacity	Q (kg)	1400	1600
	1.6	Load centre	c (mm)	600	600
	1.8	Load distance	x (mm)	296*	346*
		Mast pushed forward	x1 (mm)	219*	219*
	1.9	Wheelbase	y (mm)	1410	1460
Weights	2.1	Unladen weight	kg	3080	3087
	2.3	Axle loading, unladen, front/rear	kg	1980/1100	1985/1102
	2.4	Axle loading, fork advanced, laden, front/rear	kg	770/3710	807/3880
	2.5	Axle loading, fork retracted, laden, front/rear	kg	1708/2772	1787/2900
Chassis	3.1	Tyres		Vulkollan®	Vulkollan®
	3.2	Tyres size, front	dia. x width(mm)	343 x 140	343 x 140
	3.3	Tyres size, rear	dia. x width(mm)	285 x 100	285 x 100
	3.5	Wheels, number front/rear (x=driven)		1x/2	1x/2
	3.7	Track width, rear	b11 (mm)	1149	1149
Basic Dimensions	4.1	Tilt of fork carriage forward/backward	α/β (°)	2/5	2/5
	4.2	Closed mast height	h1 (mm)	2530**	2530**
	4.3	Free lift	h2 (mm)	1967**	1967**
	4.4	Maximum Lift height*	h3 (mm)	9500**	9500**
	4.5	Height of mast, extended	h4 (mm)	6410**	6410**
	4.7	Height of overhead guard	h6 (mm)	2185	2185
	4.8	Seat height	h7 (mm)	1095	1095
	4.10	Height of wheel arms	h8 (mm)	287	287
	4.19	Overall length	l1 (mm)	2491*	2491*
	4.20	Length to face of forks	l2 (mm)	1341*	1341*
	4.21	Overall width	b1/b2 (mm)	1274/1270	1274/1270
	4.22	Fork dimensions	s/e/l (mm)	40/100/1150	40/100/1150
	4.23	Fork carriage ISO 2328, class/type A,B		2A	2A
	4.24	Fork carriage width	b3 (mm)	813	813
	4.25	Width across forks	b5 (mm)	245/753	245/753
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	932	932
	4.28	Reach distance	l4 (mm)	515*	565*
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	58	58
	4.33	Aisle width for pallets 1000x1200 wide	Ast (mm)	2786*	2796*
		Aisle width for pallets 1000x1200 long	Ast (mm)	2894*	2898*
	4.34	Aisle width for pallets 800x1200 wide	Ast (mm)	2644*	2660*
		Aisle width for pallets 800x1200 long	Ast (mm)	2849*	2851*
	4.35	Turning radius	Wa (mm)	1661	1708
4.37	Length across wheel arms	l7 (mm)	1805	1855	
Performance Data	5.1	Travel speed, laden/unladen	km/h	12	12
	5.2	Lift speed, laden/unladen	m/s	0.42/0.6	0.42/0.6
	5.3	Lowering speed, laden/unladen	m/s	0.5	0.5
	5.4	Reaching speed, laden/unladen	m/s	0.2	0.2
	5.8	Max. gradeability, laden/unladen	%	10/15	10/15
	5.10	Service brake		Electromagnetic	Electromagnetic
E-Motor	6.1	Drive motor rating S2 60 min.	kW	5.3	5.3
	6.2	Lift motor rating S3 15%	kW	13.2	13.2
	6.4	Battery voltage/capacity at 5 hours rate	V/Ah	48/420*	48/420*
	6.5	Battery weight	kg	730*	730*
		Battery dimensions	l/w/h (mm)	1212/290/750*	1212/290/750*
Others	8.1	Type of drive control		AC-MOSFET	AC-MOSFET
	8.2	Operating pressure for attachments	bar	200	200
	8.3	Oil volume for attachments	l/min	20	20
	8.4	Sound level at operator's ear according to EN12053	dB(A)	70	70

* Varies according to battery sizes

** Varies according to mast specifications

Dimensional Drawings



Overhead guard height / Closed mast height / Free lift (mm)

Lift height (h3)	OVHD Height (h6)	OVHD Height with Strobe (Option)	Closed mast height (h1)	Free lift (h2) with Load backrest	Free lift (h2) with Load backrest
5000	2185	2312.4	2230	1336.00	1666.50
5600	2185	2312.4	2430	1536.00	1866.50
5900	2185	2312.4	2530	1636.00	1966.50
6200	2185	2312.4	2630	1736.00	2066.50
6500	2185	2312.4	2730	1836.00	2166.50
6800	2185	2312.4	2830	1936.00	2266.50
7100	2185	2312.4	2930	2036.00	2366.50
7400	2185	2312.4	3030	2136.00	2466.50
7700	2185	2312.4	3130	2236.00	2566.50
8000	2185	2312.4	3230	2336.00	2666.50
8420	2185	2312.4	3370	2476.00	2806.50
8720	2185	2312.4	3470	2576.00	2906.50
9020	2185	2312.4	3570	2676.00	3006.50
9410	2185	2312.4	3700	2806.00	3136.50

Battery Bed Size

BR14/16JW-7	420AH	560AH	700AH
L / W / H (MAX)	1220/290/780 (1223/290/784)	1220/355/780 (1223/290/784)	1220/425/780 (1223/425/784)

Cylinder

1	420 AH Battery, FFT MAST
2	560 AH Battery, FFT MAST
3	700 AH Battery, FFT MAST

Residual Capacity (kg)

	Battery Capacity	FFT 5000mm	FFT 5600mm	FFT 5900mm	FFT 6200mm	FFT 6500mm	FFT 6800mm	FFT 7100mm	FFT 7400mm	FFT 7700mm	FFT 8000mm	FFT 8420mm	FFT 8720mm	FFT 9020mm	FFT 9410mm
BR14JW-7	420 AH	1400	1400	1400	1400	1400	1400	1150	1100	1050	900	650	500	-	-
	560 AH	1400	1400	1400	1400	1400	1400	1300	1250	1200	1050	850	700	-	-
	700 AH	1400	1400	1400	1400	1400	1400	1350	1300	1250	1200	1000	900	-	-
BR16JW-7	420 AH	1600	1600	1600	1500	1450	1400	1350	1200	1150	1100	900	800	700	400
	560 AH	1600	1600	1600	1600	1600	1500	1450	1400	1300	1250	1000	900	750	600
	700 AH	1600	1600	1600	1600	1600	1600	1550	1500	1400	1300	1150	1100	1050	750