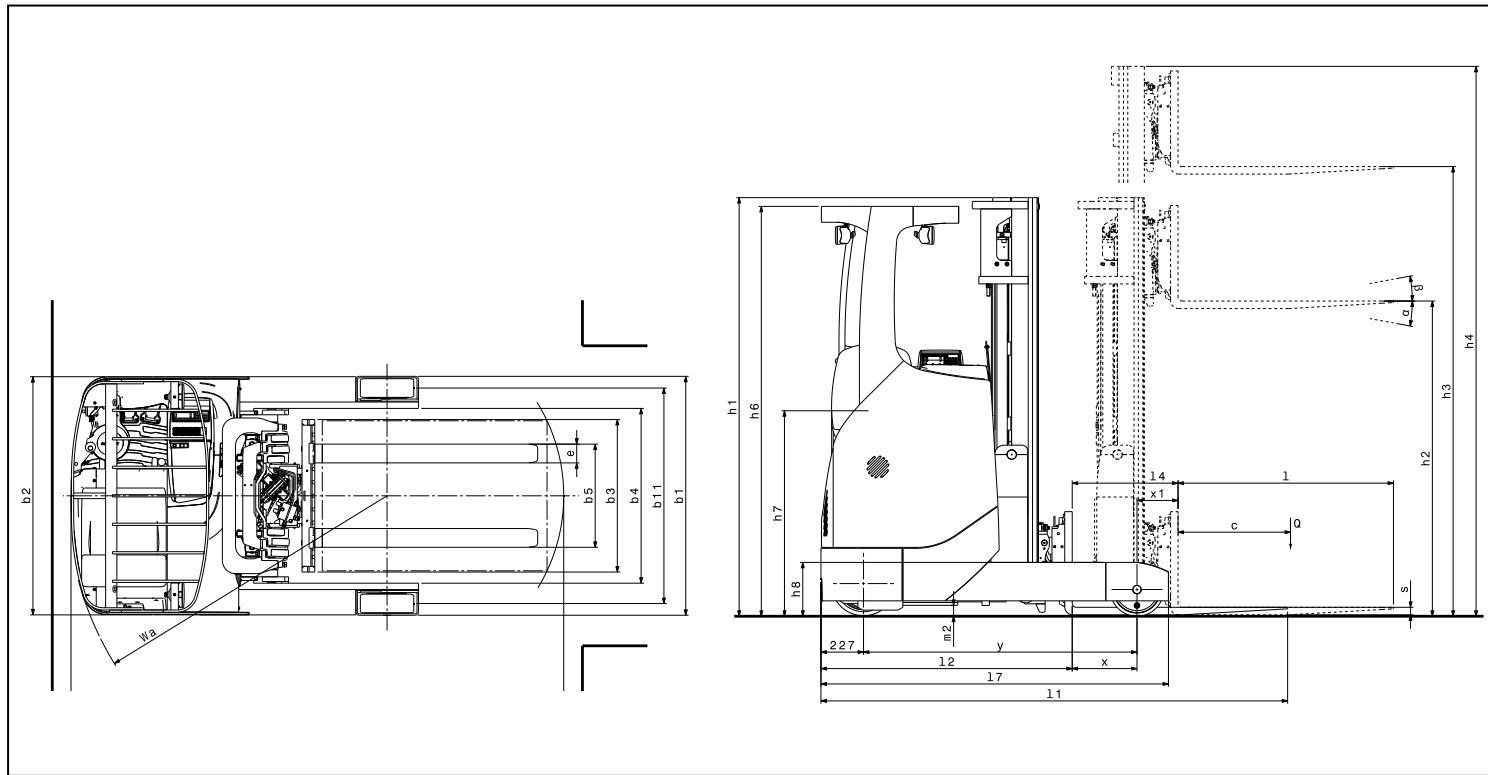


DIMENSIONAL DRAWING



Electric Reach Truck 1400kg to 1600kg Capacity BR14JW-7 PLUS / BR16JW-7 PLUS



OVERHEAD GUARD HEIGHT / CLOSED MAST HEIGHT / FREE LIFT

(mm)

Lift height (h3)	OVHD height (h6)	OVHD height	Closed mast height	Free lift (h2)	Free lift (h2)
		with strobe (option)	(h1)	with load backrest	with load backrest
5000	2185	2312.4	2230	1336	1666.5
5600	2185	2312.4	2430	1536	1866.5
5900	2185	2312.4	2530	1636	1966.5
6200	2185	2312.4	2630	1736	2066.5
6500	2185	2312.4	2730	1836	2166.5
6800	2185	2312.4	2830	1936	2266.5
7100	2185	2312.4	2930	2036	2366.5
7400	2185	2312.4	3030	2136	2466.5
7700	2185	2312.4	3130	2236	2566.5
8000	2185	2312.4	3230	2336	2666.5
8420	2185	2312.4	3370	2476	2806.5
8720	2185	2312.4	3470	2576	2906.5
9020	2185	2312.4	3570	2676	3006.5
9410	2185	2312.4	3700	2806	3136.5

BATTERY BED SIZE

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

EUBR1416JW-7-PLUS-160704v1EN (July 2016)



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AUTHORIZED DEALER

Lifting Your Dreams

GENERAL SPECIFICATIONS

BR14/16JW-7 PLUS

CHARACTERISTICS	1.1	Manufacturer		Doosan	
	1.2	Model designation		BR14JW-7 Plus 420AH	
	1.3	Drive		electric	
	1.4	Operator type		driver-seated	
	1.5	Load capacity	Q (kg)	1400	
	1.6	Load centre	c (mm)	600	
	1.8	Load distance	x (mm)	296	
		Mast pushed forward	x1 (mm)	219	
	1.9	Wheelbase	y (mm)	1410	
WEIGHTS	2.1	Weight incl. battery	1)	kg	3235
	2.3	Axle loading, unloaded, front/rear	1)	kg	1920/1315
	2.4	Axle loading, fork extended, loaded, front/rear	1)	kg	829/3806
	2.5	Axle loading, fork retracted, loaded, front/rear	1)	kg	1586/3049
WHEELS, CHASSIS	3.1	Tires		Vulkollan®	
	3.2	Tire size, front	dia. x width (mm)	343 x 140	
	3.3	Tire size, rear	dia. x width (mm)	285 x 100	
	3.5	Wheels, number front/rear (x=driven)		1x/2	
	3.7	Track width, rear	b11 (mm)	1143	
DIMENSIONS	4.1	Tilt of fork carriage forward/backward	α/β (°)	2/5	
	4.2	Closed mast height	2)	h1 (mm)	2530
	4.3	Free lift	2)	h2 (mm)	1965
	4.4	Lift height	2)	h3 (mm)	5900
	4.5	Height of mast, extended	2)	h4 (mm)	6410
	4.7	Height of overhead guard		h6 (mm)	2185
	4.8	Seat height		h7 (mm)	1132
	4.10	Height of wheel arms		h8 (mm)	287
	4.19	Overall length		l1 (mm)	2398
	4.20	Length to face of forks		l2 (mm)	1338
	4.21	Overall width	b1/b2 (mm)	1268/1270	
	4.22	Fork dimensions	s/e/l (mm)	40/100/1150	
	4.23	Fork carriage ISO 2328, class/type A,B		2A	
	4.24	Fork carriage width	b3 (mm)	813	
	4.25	Width across forks	b5 (mm)	245/753	
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	938	
	4.28	Reach distance	l4 (mm)	515	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	58	
	4.33	Aisle width for pallets 1000x1200 wide	Ast (mm)	2786	
		Aisle width for pallets 1000x1200 long	Ast (mm)	2894	
4.34		Aisle width for pallets 800x1200 wide	Ast (mm)	2644	
		Aisle width for pallets 800x1200 long	Ast (mm)	2849	
4.35		Turning radius	Wa (mm)	1661	
4.37		Length across wheel arms	l7 (mm)	1805	
PERFORMANCE	5.1	Travel speed, loaded/unloaded		km/h	12
	5.2	Lift speed, loaded/unloaded		m/s	0.42/0.6
	5.3	Lowering speed, loaded/unloaded		m/s	0.5
	5.4	Reaching speed, loaded/unloaded		m/s	0.2
	5.8	Max. gradeability, loaded/unloaded		%	10/15
	5.10	Service brake			electromagnetic
E-MOTOR	6.1	Drive motor rating S2 60 min.		kW	5.3
	6.2	Lift motor rating S3 15%		kW	13.2
	6.4	Battery voltage/capacity at 5 hours rate	1)	V/Ah	48/420
	6.5	Battery weight	1)	kg	750
		Battery dimensions	1)	l/w/h (mm) (MAX)	1220/290/780 (1223/290/784)
OTHERS	8.1	Type of drive control			AC-MOSFET
	8.2	Operating pressure for attachments		bar	200
	8.3	Oil volume for attachments		l/min	20
	8.4	Sound level at operator's ear according to EN12053		dB(A)	67.2

Doosan	Doosan	Doosan	Doosan	Doosan
BR14JW-7 Plus 560AH	BR14JW-7 Plus 700AH	BR16JW-7 Plus 420AH	BR16JW-7 Plus 560AH	BR16JW-7 Plus 700AH
electric	electric	electric	electric	electric
driver-seated	driver-seated	driver-seated	driver-seated	driver-seated
1400	1400	1600	1600	1600
600	600	600	600	600
230	159	346	280	209
219	229	219	219	219
1410	1410	1460	1460	1460
3412	3628	3240	3417	3634
2025/1387	2153/1475	1923/1317	2028/1389	2157/1477
860/3951	899/4129	865/3975	897/4120	936/4298
1646/3165	1721/3308	1656/3184	1717/3301	1791/3443
Vulkollan®	Vulkollan®	Vulkollan®	Vulkollan®	Vulkollan®
343 x 140	343 x 140	343 x 140	343 x 140	343 x 140
285 x 100	285 x 100	285 x 100	285 x 100	285 x 100
1x/2	1x/2	1x/2	1x/2	1x/2
1143	1143	1143	1143	1143
2/5	2/5	2/5	2/5	2/5
2530	2530	2530	2530	2530
1965	1965	1965	1965	1965
5900	5900	5900	5900	5900
6410	6410	6410	6410	6410
2185	2185	2185	2185	2185
1132	1132	1132	1132	1132
287	287	287	287	287
2463	2533	2398	2463	2533
1403	1473	1338	1403	1473
1268/1270	1268/1270	1268/1270	1268/1270	1268/1270
40/100/1150	40/100/1150	40/100/1150	40/100/1150	40/100/1150
2A	2A	2A	2A	2A
813	813	813	813	813
245/753	245/753	245/753	245/753	245/753
938	938	938	938	938
449	388	565	499	428
58	58	58	58	58
2837	2894	2796	2845	2901
2952	3016	2898	2955	3018
2689	2739	2660	2702	2750
2910	2976	2851	2911	2977
1661	1661	1708	1708	1708
1805	1805	1855	1855	1855
12	12	12	12	12
0.42/0.6	0.42/0.6	0.42/0.6	0.42/0.6	0.42/0.6
0.5	0.5	0.5	0.5	0.5
0.2	0.2	0.2	0.2	0.2
10/15	10/15	10/15	10/15	10/15
electromagnetic	electromagnetic	electromagnetic	electromagnetic	electromagnetic
5.3	5.3	5.3	5.3	5.3
13.2	13.2	13.2	13.2	13.2
48/560	48/700	48/420	48/560	48/700
923	1135	750	923	1135
1220/355/780 (1223/355/784)	1220/425/780 (1223/425/784)	1220/290/780 (1223/290/784)	1220/355/780 (1223/355/784)	1220/425/780 (1223/425/784)
AC-MOSFET	AC-MOSFET	AC-MOSFET	AC-MOSFET	AC-MOSFET
200	200	200	200	200
20	20	20	20	20
67.2	67.2	67.2	67.2	67.2

1) Varies according to battery specifications
2) Varies according to mast specifications

* 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.