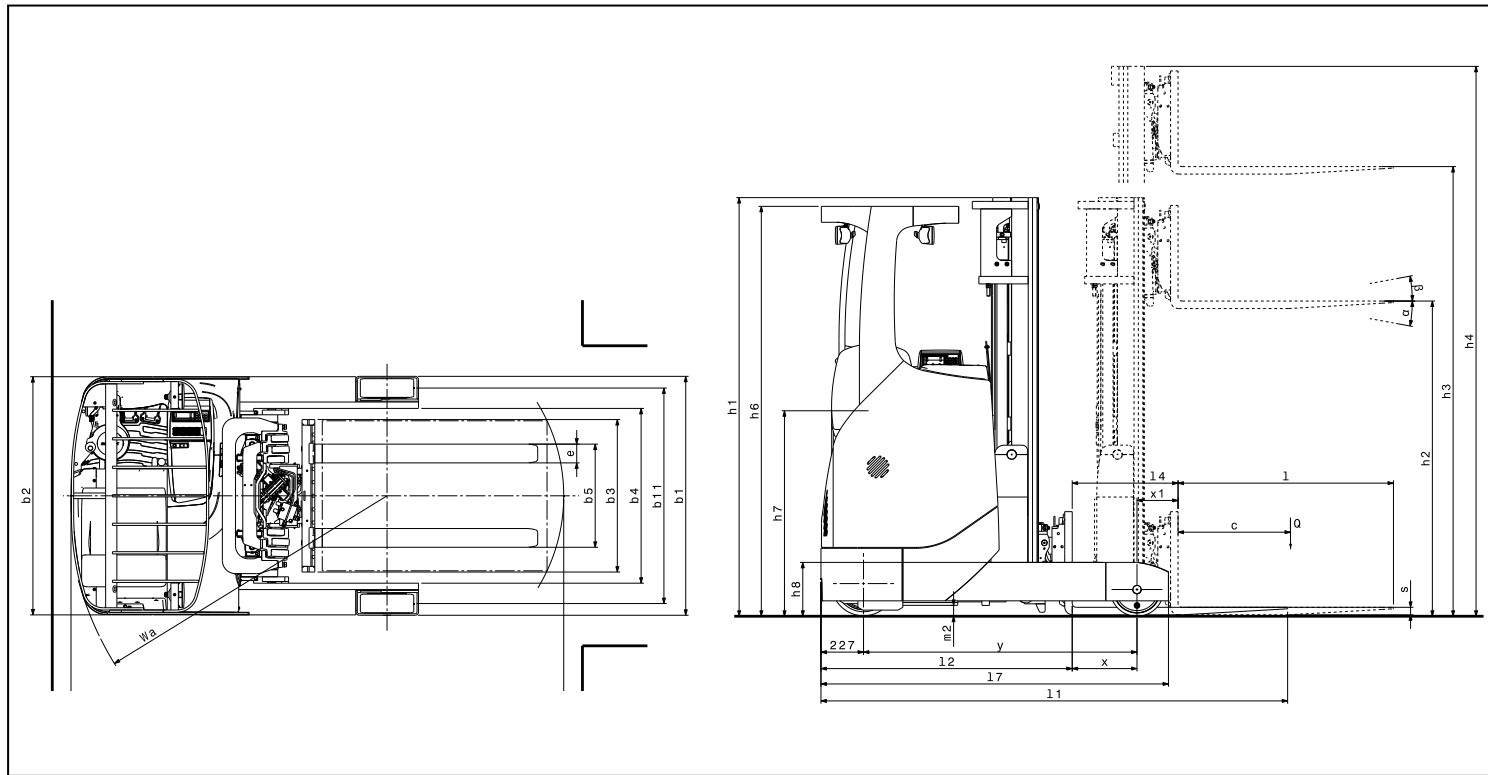


DIMENSIONAL DRAWING



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 | without 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.