


MAIN SPECIFICATIONS

| | |  | | | | | | | | | |
|-----------------------|----|--|----------------------|-------------------|---------|---------|------------|------------|-------|-----|----|
| Performances | 1 | Manufacturer | | | | | | | 1 | | |
| | 2 | Model | FBR10-C | FBR12-C | FBR14-C | FBR16-C | FBR18-C | FBR20-C | 2 | | |
| | 3 | Power | battery | | | | | | 3 | | |
| | 4 | Operation | sit-on | | | | | | 4 | | |
| | 5 | Rated load capacity | Q (kg) | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 5 | |
| | 6 | Rated lift height | h3 (mm) | 3000 | | | | | | 6 | |
| | 7 | Load centre | C (mm) | 500 | | | | | | 7 | |
| | 8 | Fork carriage tilt (forward/backward) | α/β (deg) | 3 $^{\circ}$ 5' | | | | | | 8 | |
| | 9 | Travel speed (with/without load) | (km/h) | 9.0/10.0 | | 8.5/9.5 | 9.5/10 | 9.2/10 | 8.5/9 | 9 | |
| | 10 | Lifting speed (laden) | (mm/s) | 240 | | 230 | 230 | 220 | 210 | 10 | |
| | 11 | Max gradeability (laden) | (%) | >12 | | | | | | >10 | 11 |
| | 12 | Min turning radius | wa (mm) | 1740 | | | 1820 | | | 12 | |
| | 13 | Reach distance | X (mm) | 480 | | | 560 | | | 13 | |
| | 14 | Wheel base | Y (mm) | 1420 | | | 1500 | | | 14 | |
| | 15 | Service brake | | Electric | | | | | | 15 | |
| Dimensions and Weight | 16 | Overall length | l1 (mm) | 2338 | | | 2418 | | | 16 | |
| | 17 | Main body length | l2 (mm) | 1415 | | | 1495 | | | 17 | |
| | 18 | Overall width | b1 (mm) | 1270 | | | | | | 18 | |
| | 19 | Height of mast,lowered | h1 (mm) | 2201 | | | | | | 19 | |
| | 20 | Free lift height | h2 (mm) | 400 | | | 400 | | | 20 | |
| | 21 | Height of mast,extended | h4 (mm) | 4030 | | | 4030 | | | 21 | |
| | 22 | Height of overhead guard | h5 (mm) | 2220 | | | 2220 | | | 22 | |
| | 23 | Fork dimensions(TxWxL) | (mm) | 35x100x920 | | | 35x120x920 | 45x120x920 | | 23 | |
| | 24 | Min ground clearance | h6 (mm) | 78 | | | 78 | | | 24 | |
| | 25 | Aisle width with pallet (1200x1200) | Ast1 (mm) | 2820 | | | 2900 | | | 25 | |
| | 26 | Aisle width with pallet (1000x1000) | Ast2 (mm) | 2620 | | | 2700 | | | 26 | |
| | 27 | Total weight | (kg) | 2780 | | | 2900 | 3000 | 3100 | 27 | |
| Drive | 28 | Drive motor | (Kw) | 6 | | | | | | 28 | |
| | 29 | Lift motor | (Kw) | 9.2 | | | 11 | | | 29 | |
| | 30 | Battery:voltage/capacity (5h) | (V/Ah) | 48/420 | | | 48/560 | | | 30 | |
| Tyres | 31 | Tyres | | polyurethane tyre | | | | | | 31 | |
| | 32 | Size of front tyre | | 310*100 | | | | | | 32 | |
| | 33 | Size of rear tyre | | 343*114 | | | 343*135 | | | 33 | |
| | 34 | Track width front | b2 (mm) | 1160 | | | | | | 34 | |
| Others | 35 | Turning system | | Electric | | | Electric | | | 36 | |
| | 36 | Speed control system | | ZAPI | | | | | | 37 | |

MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type | Mast Name | Max. Fork Height (mm) | Load Capacity (Load Centre 600mm) (kg) | | | | | | Overall Height (mm) | | | | | | Free Lift (mm) | | | | Tilt Angle (F/R) | Total Weight (kg) | | |
|----------------------------------|-----------|-----------------------|--|---------------|------------------|---------------|----------------|------|---------------------|----------------|------|---------|----------------|------|------------------|---------------|------------------|---------------|------------------|-------------------|------|----------------|
| | | | | | | | | | Lowered | Extended | | Lowered | Extended | | Without Backrest | With Backrest | Without Backrest | With Backrest | | | | |
| | | | Without Backrest | With Backrest | Without Backrest | With Backrest | 1.0t/1.2t/1.4t | | | 1.6t/1.8t/2.0t | | | 1.0t/1.2t/1.4t | | | | | | | 1.6t/1.8t/2.0t | | 1.0t/1.2t/1.4t |
| Wide View Mast | RM300 | 3000 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 1951 | 3545 | 4030 | 1951 | 3545 | 4030 | 415 | 415 | 420 | 420 | 3/5 | 2780 | 2900 | 3100 |
| | RM330 | 3300 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2351 | 3845 | 4330 | 2351 | 3845 | 4330 | 415 | 415 | 420 | 420 | 3/5 | 2825 | 2940 | 3145 |
| | RM350 | 3500 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2451 | 4045 | 4530 | 2451 | 4045 | 4530 | 415 | 415 | 420 | 420 | 3/5 | 2855 | 2970 | 3175 |
| | RM370 | 3700 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2551 | 4245 | 4730 | 2551 | 4245 | 4730 | 415 | 415 | 420 | 420 | 3/5 | 2870 | 2990 | 3190 |
| | RM400 | 4000 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2751 | 4545 | 5030 | 2751 | 4545 | 5030 | 415 | 415 | 420 | 420 | 3/5 | 2895 | 3015 | 3115 |
| | RM430 | 4300 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2901 | 4845 | 5330 | 2901 | 4845 | 5330 | 415 | 415 | 420 | 420 | 3/5 | 2915 | 3035 | 3135 |
| | RM450 | 4500 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 3001 | 5045 | 5530 | 3001 | 5045 | 5530 | 415 | 415 | 420 | 420 | 3/5 | 2935 | 3050 | 3155 |
| Wide View Full Free 3 Stage Mast | RTFM430 | 4300 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 1998 | 4835 | 5323 | 1998 | 4835 | 5323 | 1465 | 975 | 1465 | 975 | 3/5 | 2560 | 2680 | 2880 |
| | RTFM450 | 4500 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2048 | 5023 | 5523 | 2048 | 5023 | 5523 | 1565 | 1075 | 1565 | 1075 | 3/5 | 2645 | 2765 | 2965 |
| | RTFM470 | 4700 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2098 | 5223 | 5723 | 2098 | 5223 | 5723 | 1665 | 1175 | 1665 | 1175 | 3/5 | 2730 | 2850 | 3050 |
| | RTFM500 | 5000 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2198 | 5523 | 6023 | 2198 | 5523 | 6023 | 1765 | 1275 | 1765 | 1275 | 3/5 | 2815 | 2935 | 3135 |
| | RTFM550 | 5500 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2398 | 6023 | 6523 | 2398 | 6023 | 6523 | 1865 | 1375 | 1865 | 1375 | 3/5 | 2900 | 3020 | 3220 |
| | RTFM600 | 6000 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2598 | 6523 | 7023 | 2598 | 6523 | 7023 | 2065 | 1575 | 2065 | 1575 | 3/5 | 2985 | 3105 | 3305 |
| | RTFM650 | 6500 | 900 | 1000 | 1100 | 1400 | 1500 | 1650 | 2748 | 7023 | 7523 | 2748 | 7023 | 7523 | 2265 | 1775 | 2265 | 1775 | 3/5 | 3070 | 3190 | 3390 |
| | RTFM700 | 7000 | 800 | 850 | 900 | 1150 | 1300 | 1400 | 2948 | 7523 | 8023 | 2948 | 7523 | 8023 | 2365 | 1875 | 2365 | 1875 | 3/5 | 3155 | 3275 | 3475 |
| | RTFM750 | 7500 | 700 | 750 | 775 | 1000 | 1150 | 1200 | 3148 | 8023 | 8523 | 3148 | 8023 | 8523 | 2565 | 2075 | 2565 | 2075 | 3/5 | 3240 | 3360 | 3560 |
| | RTFM800 | 8000 | 600 | 625 | 650 | 850 | 900 | 950 | 3323 | 8523 | 9023 | 3323 | 8523 | 9023 | 2725 | 2235 | 2725 | 2235 | 3/5 | 3325 | 3445 | 3640 |

NOTE: Load capacity will decrease 100kg if mast equips side shifter