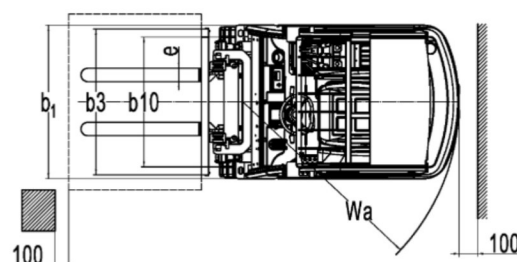
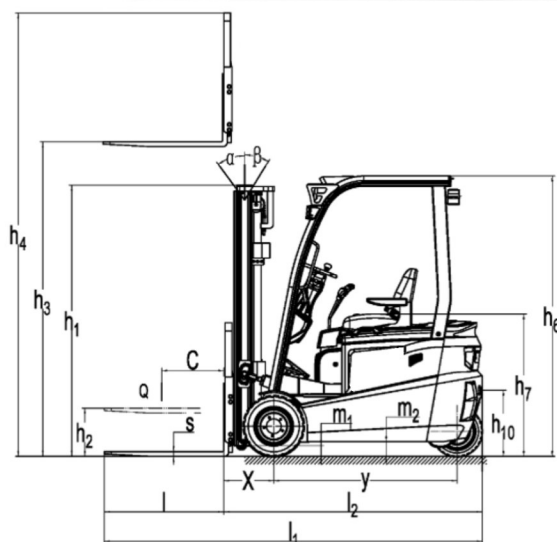


TM Three Wheeler Compact Forklift With Double Wheel



Mast table TMF 16-20

| Mast Table | Lift height h3(mm) | Free Lift h2(mm) | Closed mast height h1(mm) | Extended mast height h4(mm) | Tilt forward/backward $\alpha/\beta(^{\circ})$ | Capacity table(kg) | |
|------------|-----------------------|---------------------|------------------------------|--------------------------------|---|--------------------|-------|
| | | | | | | TMF16 | TMF20 |
| | 2500 | 125 | 1758 | 3481 | 5/7 | 1600 | 2000 |
| | 2700 | 125 | 1858 | 3681 | 5/7 | 1600 | 2000 |
| | 3000 | 125 | 2008 | 3981 | 5/7 | 1600 | 2000 |
| | 4000 | 988 | 1953 | 4980 | 3/5 | 1500 | 1900 |
| | 4350 | 1113 | 2078 | 5329 | 3/5 | 1450 | 1700 |
| | 4500 | 1163 | 2128 | 5479 | 3/5 | 1400 | 1600 |
| | 4800 | 1263 | 2228 | 5779 | 3/5 | 1200 | 1400 |
| | 5000 | 1363 | 2328 | 5979 | 3/5 | 1050 | 1300 |
| | 5500 | 1513 | 2478 | 6479 | 3/5 | 800 | 1000 |
| | 6000 | 1713 | 2678 | 6565 | 3/5 | 600 | 700 |

| | | | | |
|------------------------|---|--------------------------|---|-------------------------|
| 1.2 | Manufacturer's type designation | | TMF16 | TMF20 |
| 1.3 | Drive :electric(battery or mains),diesel,petrol gas ,manual) | | electric | electric |
| 1.4 | Type of operation(hand,pedestrian,standing,seated,order-picker) | | seated | seated |
| 1.5 | Load capacity/rated load | Q(kg) | 1600 | 2000 |
| 1.6 | Load centre distance | C(mm) | 500 | 500 |
| 1.8 | Load distance,centre of drive axle to fork | x(mm) | 372 | 377 |
| 1.9 | wheelbase | y(mm) | 1360 | 1490 |
| Weight | | | | |
| 2.1 | Service weight incl. battery(see line 6.5) | kg | 3100 | 3420 |
| 2.2 | Axle loading ,laden front/rear | kg | 4200/500 | 4880/540 |
| 2.3 | Axle loading,unladen front/rear | kg | 1490/1610 | 1670/1750 |
| Tires, chassis | | | | |
| 3.1 | Type:solid rubber,superelastic,pneumatic,polyurethane | | superelastic | superelastic |
| 3.2 | Tyres size,front | | 18X7-8 | 200X50-10 |
| 3.3 | Tyres size,rear | | 15X4"-8 | 15X4"-8 |
| 3.5 | Wheels,number front/rear(x=driven wheels) | | 2x/2 | 2x/2 |
| 3.6 | Track width,front | b10(mm) | 960 | 984 |
| 3.7 | Track width,rear | b11(mm) | 180 | 180 |
| Dimensions | | | | |
| 4.1 | Mast/fork carriage tilt forward/backward | $\alpha/\beta(^{\circ})$ | 5/7 | 5/7 |
| 4.2 | lowered mast height | h1(mm) | 2008 | 2008 |
| 4.3 | Free lift | h2(mm) | 125 | 125 |
| 4.4 | Lift height | h3(mm) | 3000 | 3000 |
| 4.5 | Extended mast height | h4(mm) | 3981 | 3981 |
| 4.7 | Overhead load guardheight | h6(mm) | 2075 | 2075 |
| 4.8 | Seat height/standing height | h7(mm) | 1030 | 1030 |
| 4.12 | Coupling height | h10(mm) | 465 | 465 |
| 4.19 | Overall length | l1(mm) | 2850 | 3125 |
| 4.20 | Length to face of forks | l2(mm) | 1925 | 2060 |
| 4.21 | Overall width | b1(mm) | 1135 | 1135 |
| 4.22 | Fork dimensions | s/e/l(mm) | 35/100/920 | 40/120/1070 |
| 4.24 | Fork carriage width | b3(mm) | 1040 | 1040 |
| 4.31 | Ground clearance ,laden,under mast | m1(mm) | 123 | 123 |
| 4.32 | Ground clearance,centre of wheelbase | m2(mm) | 105 | 105 |
| 4.33 | Aisle width for pallets 1000x1200 crossways | Ast(mm) | 3125 | 3250 |
| 4.34 | Aisle width for pallets 800x1200 lengthways | Ast(mm) | 3225 | 3350 |
| 4.35 | Turning radius | Wa(mm) | 1550 | 1680 |
| Performance | | | | |
| 5.1 | Travel speed,laden/unladen | km/h | 14/15 | 13/15 |
| 5.2 | Lift speed,laden/unladen | m/s | 0.32/0.42 | 0.30/0.42 |
| 5.3 | lowering speed,laden/unladen | m/s | <600 | <600 |
| 5.5 | Drawbar pull ,laden/unladen S2 60 min | N | — | — |
| 5.6 | Max.drawbar pull ,laden/unladen S2 5 min | N | 13000 | 16000 |
| 5.7 | Max.Gradient performance,laden/unladen S2 5 min | % | 15/20 | 13/18 |
| 5.10 | Service brake | | Hydraulic | Hydraulic |
| Electric-engine | | | | |
| 6.1 | Drive motor rating S2 60 min | kW | 5X2 | 6X2 |
| 6.2 | Lift motor rating at S3 15% | kW | 8.6 | 8.6 |
| 6.3 | Battery standard | | DIN | DIN |
| 6.4 | Battery voltage,nominal capacity K5 | V/Ah | 48/455 48/490(optional) 48/560(optional) | 48/560 48/630(optional) |
| 6.5 | Battery weight | kg | 800 | 950 |
| 6.6 | Battery dimensions l/w/h | mm | 980X538X670 | 980X668X670 |
| Additional data | | | | |
| 8.1 | Type of drive control | | AC | AC |
| 8.2 | Operating pressure for attachments | Mpa | 17.5 | 17.5 |
| 8.3 | Oil volume for attachments | l/min | 36 | 36 |
| 8.4 | Sound level at driver's ear according to EN 12 053 | dB(A) | 73 | 73 |



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