



## Diesel Forklift Truck capacity 8,000 to 10,000kg

### 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 |                |                  |                   |
|                |           |                       | 8.0t                                   | 8.0t                |          | 8.0t           |                  | 8.0t              |
| Wide View Mast | M300      | 3000                  | 8000                                   | 2695                | 4130     | 120            | 6-12             | 11850             |
|                | M350      | 3500                  | 8000                                   | 2945                | 4630     | 120            | 6-12             | 11945             |
|                | M400      | 4000                  | 8000                                   | 3245                | 5180     | 120            | 6-12             | 12190             |
|                | M450      | 4500                  | 8000                                   | 3495                | 5680     | 120            | 6-12             | 12280             |
|                | M500      | 5000                  | 7750                                   | 3745                | 6180     | 120            | 6-6              | 12375             |
|                | M550      | 5500                  | 7400                                   | 4045                | 6730     | 120            | 3-6              | 12620             |
|                | M600      | 6000                  | 7000                                   | 4295                | 7230     | 120            | 3-6              | 12715             |

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|----------------------------------|-----------|-----------------------|----------------------------------------|--------|---------------------|----------|----------------|------------------|-------------------|-------|
|                                  |           |                       |                                        |        | Lowered             | Extended |                |                  |                   |       |
|                                  |           |                       | FD90T                                  | FD100T | 9.0t/10.0t          |          |                |                  | 9.0t/10.0t        | FD90T |
| Wide View Mast                   | M250      | 2500                  | 9050                                   | 10000  | 2595                | 3785     | 140            | 6-12             | 12105             | 12805 |
|                                  | M300      | 3000                  | 9050                                   | 10000  | 2845                | 4285     | 140            | 6-12             | 12200             | 12900 |
|                                  | M330      | 3300                  | 9050                                   | 10000  | 2995                | 4585     | 140            | 6-12             | 12255             | 12955 |
|                                  | M350      | 3500                  | 9050                                   | 10000  | 3095                | 4785     | 140            | 6-12             | 12295             | 12995 |
|                                  | M400      | 4000                  | 9050                                   | 10000  | 3395                | 5320     | 140            | 6-12             | 12540             | 13240 |
|                                  | M450      | 4500                  | 8050                                   | 10000  | 3645                | 5820     | 140            | 6-6              | 12630             | 13330 |
|                                  | M470      | 4700                  | 8050                                   | 10000  | 3770                | 6070     | 140            | 6-6              | 12680             | 13380 |
|                                  | M500      | 5000                  | 8050                                   | 10000  | 3895                | 6320     | 140            | 6-6              | 12725             | 13425 |
|                                  | M550      | 5500                  | 8030                                   | 9000   | 4195                | 6870     | 140            | 3-6              | 12970             | 13670 |
|                                  | M600      | 6000                  | 8015                                   | 8000   | 4445                | 7370     | 140            | 3-6              | 13065             | 13765 |
| 3-Stage Full Free Wide View Mast | TFM400    | 4000                  | 7800                                   | 8000   | 2695                | 5335     | 1325           | 6-12             | 12845             | 13545 |
|                                  | TFM430    | 4300                  | 7800                                   | 8000   | 2815                | 5695     | 1445           | 6-12             | 12910             | 13610 |
|                                  | TFM450    | 4500                  | 7800                                   | 7800   | 2865                | 5845     | 1495           | 6-12             | 12950             | 13650 |
|                                  | TFM470    | 4700                  | 7200                                   | 7500   | 2965                | 6145     | 1595           | 6-6              | 13010             | 13710 |
|                                  | TFM500    | 5000                  | 7200                                   | 7500   | 3030                | 6340     | 1660           | 6-6              | 13035             | 13735 |
|                                  | TFM550    | 5500                  | 6800                                   | 7000   | 3220                | 6760     | 1850           | 3-6              | 13160             | 13860 |
|                                  | TFM600    | 6000                  | 6000                                   | 6000   | 3420                | 7360     | 2050           | 3-6              | 13415             | 14115 |

With Integrated side shifter, load capacity subtract 200Kg.

Double front wheels are standard.

### MAIN SPECIFICATIONS

| General                    | 1  | Manufacturer                               | XCMG                 |              |              |                |              |              |              |                          |              |              |                  |              | 1  |
|----------------------------|----|--------------------------------------------|----------------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------------------|--------------|--------------|------------------|--------------|----|
|                            | 2  | Model                                      | FD80T-H              | FD90T-H      | FD100T-H     | FD80T-JF       | FD90T-JF     | FD100T-JF    | FD80T-JI     | FD90T-JI                 | FD100T-JI    | FD80T-JT     | FD90T-JT         | FD100T-JT    | 2  |
| Characteristic & Dimension | 3  | Power Type                                 | Diesel               | Diesel       | Diesel       | Diesel         | Diesel       | Diesel       | Diesel       | Diesel                   | Diesel       | Diesel       | Diesel           | Diesel       | 3  |
|                            | 4  | Rated Load Capacity                        | Q(kg)                | 8000         | 9000         | 10000          | 8000         | 9000         | 10000        | 8000                     | 9000         | 10000        | 8000             | 9000         | 4  |
|                            | 5  | Load Centre                                | C(mm)                | 600          | 600          | 600            | 600          | 600          | 600          | 600                      | 600          | 600          | 600              | 600          | 5  |
|                            | 6  | Rated Lift Height                          | H <sub>s</sub> (mm)  | 3000         | 3000         | 3000           | 3000         | 3000         | 3000         | 3000                     | 3000         | 3000         | 3000             | 3000         | 6  |
|                            | 7  | Free Lift Height                           | H <sub>z</sub> (mm)  | 120          | 120          | 120            | 120          | 120          | 120          | 120                      | 120          | 120          | 120              | 120          | 7  |
|                            | 8  | Fork Size (LxWxT)                          | mm                   | 1220x175x75  | 1220x175x80  | 1220x175x75    | 1220x175x80  | 1220x175x75  | 1220x175x80  | 1220x175x75              | 1220x175x80  | 1220x175x75  | 1220x175x80      | 1220x175x80  | 8  |
|                            | 9  | Mast Tilt Angle (F/R, α°/β°)               | deg                  | 6°/12°       | 6°/12°       | 6°/12°         | 6°/12°       | 6°/12°       | 6°/12°       | 6°/12°                   | 6°/12°       | 6°/12°       | 6°/12°           | 6°/12°       | 9  |
|                            | 10 | Fork Overhang (Wheel Center to Fork Face)  | X <sub>1</sub> (mm)  | 721          | 721          | 721            | 721          | 721          | 721          | 721                      | 721          | 721          | 721              | 721          | 10 |
|                            | 11 | Rear Overhang                              | X <sub>2</sub> (mm)  | 760          | 760          | 760            | 760          | 760          | 760          | 760                      | 760          | 760          | 760              | 760          | 11 |
|                            | 12 | Ground Clearance (Bottom of Mast)          | H <sub>z</sub> (mm)  | 250          | 250          | 250            | 250          | 250          | 250          | 250                      | 250          | 250          | 250              | 250          | 12 |
| Performance                | 13 | Length to Face of Fork (Without Fork)      | L <sub>1</sub> (mm)  | 4040         | 4270         | 4270           | 4040         | 4270         | 4270         | 4040                     | 4270         | 4270         | 4040             | 4270         | 13 |
|                            | 14 | Overall Width                              | B <sub>1</sub> (mm)  | 2165         | 2165         | 2165           | 2165         | 2165         | 2165         | 2165                     | 2165         | 2165         | 2165             | 2165         | 14 |
|                            | 15 | Mast Lowered Height                        | H <sub>1</sub> (mm)  | 2695         | 2845         | 2845           | 2695         | 2845         | 2845         | 2695                     | 2845         | 2845         | 2695             | 2845         | 15 |
|                            | 16 | Mast Extended Height (With Backrest)       | H <sub>4</sub> (mm)  | 4020         | 4260         | 4260           | 4020         | 4260         | 4260         | 4020                     | 4260         | 4260         | 4020             | 4260         | 16 |
|                            | 17 | Side Shift                                 | X(mm)                | 340-2000     | 440-2140     | 440-2140       | 340-2000     | 440-2140     | 440-2140     | 340-2000                 | 440-2140     | 440-2140     | 340-2000         | 440-2140     | 17 |
|                            | 18 | Overhead Guard Height                      | H <sub>5</sub> (mm)  | 2520         | 2540         | 2540           | 2520         | 2540         | 2540         | 2520                     | 2540         | 2540         | 2520             | 2540         | 18 |
|                            | 19 | Turning Radius (Outside)                   | W <sub>a</sub> (mm)  | 3700         | 3900         | 3900           | 3700         | 3900         | 3900         | 3700                     | 3900         | 3900         | 3700             | 3900         | 19 |
|                            | 20 | Min.Aisle width for pallets                | A <sub>st</sub> (mm) | 5845         | 6045         | 6045           | 5845         | 6045         | 6045         | 5845                     | 6045         | 6045         | 5845             | 6045         | 20 |
|                            | 21 | Travel Speed (No Load)                     | km/h                 | 20           | 20           | 20             | 20           | 20           | 20           | 20                       | 20           | 20           | 20               | 20           | 21 |
|                            | 22 | Lifting Speed (Full Load)                  | mm/sec               | 380          | 310          | 310            | 380          | 310          | 310          | 380                      | 310          | 310          | 380              | 310          | 22 |
| Chassis                    | 23 | Lowering Speed (Full Load)                 | mm/sec               | 480          | 500          | 500            | 480          | 500          | 500          | 480                      | 500          | 500          | 480              | 500          | 23 |
|                            | 24 | Max.Drawbar Pull (Full Load)               | KN                   | 58           | 57           | 57             | 58           | 57           | 57           | 58                       | 57           | 57           | 58               | 57           | 24 |
|                            | 25 | Max.Gradeability (Full Load)               | %                    | ≤20          | ≤20          | ≤20            | ≤20          | ≤20          | ≤20          | ≤20                      | ≤20          | ≤20          | ≤20              | ≤20          | 25 |
|                            | 26 | Tyre (Front x 4)                           |                      | 8.25-20-14PR | 9.00-20-14PR | 8.25-20-14PR   | 9.00-20-14PR | 8.25-20-14PR | 9.00-20-14PR | 8.25-20-14PR             | 9.00-20-14PR | 8.25-20-14PR | 9.00-20-14PR     | 9.00-20-14PR | 26 |
|                            | 27 | Tyre (Rear x 2)                            |                      | 8.25-20-14PR | 9.00-20-14PR | 8.25-20-14PR   | 9.00-20-14PR | 8.25-20-14PR | 9.00-20-14PR | 8.25-20-14PR             | 9.00-20-14PR | 8.25-20-14PR | 9.00-20-14PR     | 9.00-20-14PR | 27 |
| Weight                     | 28 | Front Tread                                | B <sub>2</sub> (mm)  | 1600         | 1600         | 1600           | 1600         | 1600         | 1600         | 1600                     | 1600         | 1600         | 1600             | 1600         | 28 |
|                            | 29 | Rear Tread                                 | B <sub>3</sub> (mm)  | 1700         | 1700         | 1700           | 1700         | 1700         | 1700         | 1700                     | 1700         | 1700         | 1700             | 1700         | 29 |
|                            | 30 | Wheelbase                                  | Y(mm)                | 2500         | 2800         | 2800           | 2500         | 2800         | 2800         | 2500                     | 2800         | 2800         | 2500             | 2800         | 30 |
|                            | 31 | Total Weight                               | kg                   | 11850        | 12200        | 12900          | 11850        | 12200        | 12900        | 11850                    | 12200        | 12900        | 11850            | 12200        | 31 |
|                            | 32 | Front Axle Weight Distribution (Full Load) | kg                   | 17800        | 19980        | 20610          | 17800        | 19980        | 20610        | 17800                    | 19980        | 20610        | 17800            | 19980        | 32 |
| Power & Transmission       | 33 | Rear Axle Weight Distribution (Full Load)  | kg                   | 2050         | 2220         | 2290           | 2050         | 2220         | 2290         | 2050                     | 2220         | 2290         | 2050             | 2220         | 33 |
|                            | 34 | Front Axle Weight Distribution (No Load)   | kg                   | 4740         | 5380         | 5660           | 4740         | 5380         | 5660         | 4740                     | 5380         | 5660         | 4740             | 5380         | 34 |
|                            | 35 | Rear Axle Weight Distribution (No Load)    | kg                   | 7110         | 6820         | 8240           | 7110         | 6820         | 8240         | 7110                     | 6820         | 8240         | 7110             | 6820         | 35 |
|                            | 36 | Battery                                    | V/Ah                 | 24/90        | 24/90        | 24/90          | 24/90        | 24/90        | 24/90        | 24/90                    | 24/90        | 24/90        | 24/90            | 24/90        | 36 |
|                            | 37 | Engine Model                               |                      | 6102BG6      |              |                | A-6BG1QC     |              |              | QSB45 (Eu III & EPA III) |              |              | TC3.6L4 (Eu III) |              | 37 |
|                            | 38 | Engine Manufacturer                        |                      | CHAOCHAI     |              | ISUZU          |              | CUMMINS      |              | DEUTZ                    |              |              |                  |              | 38 |
|                            | 39 | Rated Output / r.p.m.                      | kw                   | 80.9/2500    |              | 82/2000        |              | 82/2200      |              | 90/2300                  |              |              |                  |              | 39 |
|                            | 40 | Rated Torque / r.p.m.                      | N·m                  | 35.3/1650    |              | 41.6/1400-1600 |              | 48.9/1500    |              | 50.0/1600                |              |              |                  |              | 40 |
|                            | 41 | No. of Cylinder                            |                      | 6            | 6            | 6              | 6            | 6            | 4            | 4                        | 4            | 4            | 4                | 4            | 41 |
|                            | 42 | Bore x Stroke                              | mm                   | 102x118      | 102x118      | 102x118        | 105x125      | 105x125      | 105x125      | 107x124                  | 107x124      | 107x124      | 98x120           | 98x120       | 42 |
|                            | 43 | Displacement                               | L                    | 5.785        | 5.785        | 5.785          | 6.494        | 6.494        | 6.494        | 4.5                      | 4.5          | 4.5          | 3.6              | 3.6          | 43 |
|                            | 44 | Fuel Tank Capacity                         | L                    | 120          | 120          | 120            | 140          | 140          | 140          | 140                      | 140          | 140          | 140              | 140          | 44 |
|                            | 45 | Transmission Type                          |                      | Hydraulic    |              |                |              |              |              |                          |              |              |                  |              | 45 |
|                            | 46 | Transmission Stage (FWD/RVS)               |                      | 2/2          | 2/2          | 2/2            | 2/2          | 2/2          | 2/2          | 2/2                      | 2/2          | 2/2          | 2/2              | 2/2          | 46 |
|                            | 47 | Operating Pressure (For Attachments)       | Mpa                  | 17           | 17           | 17             | 17           | 17           | 17           | 17                       | 17           | 17           | 17               | 17           | 47 |

Specifications and characteristics are subject to change without notice. Please contact us for detailed information.

XCMG Forklift retains the right to interpret.

