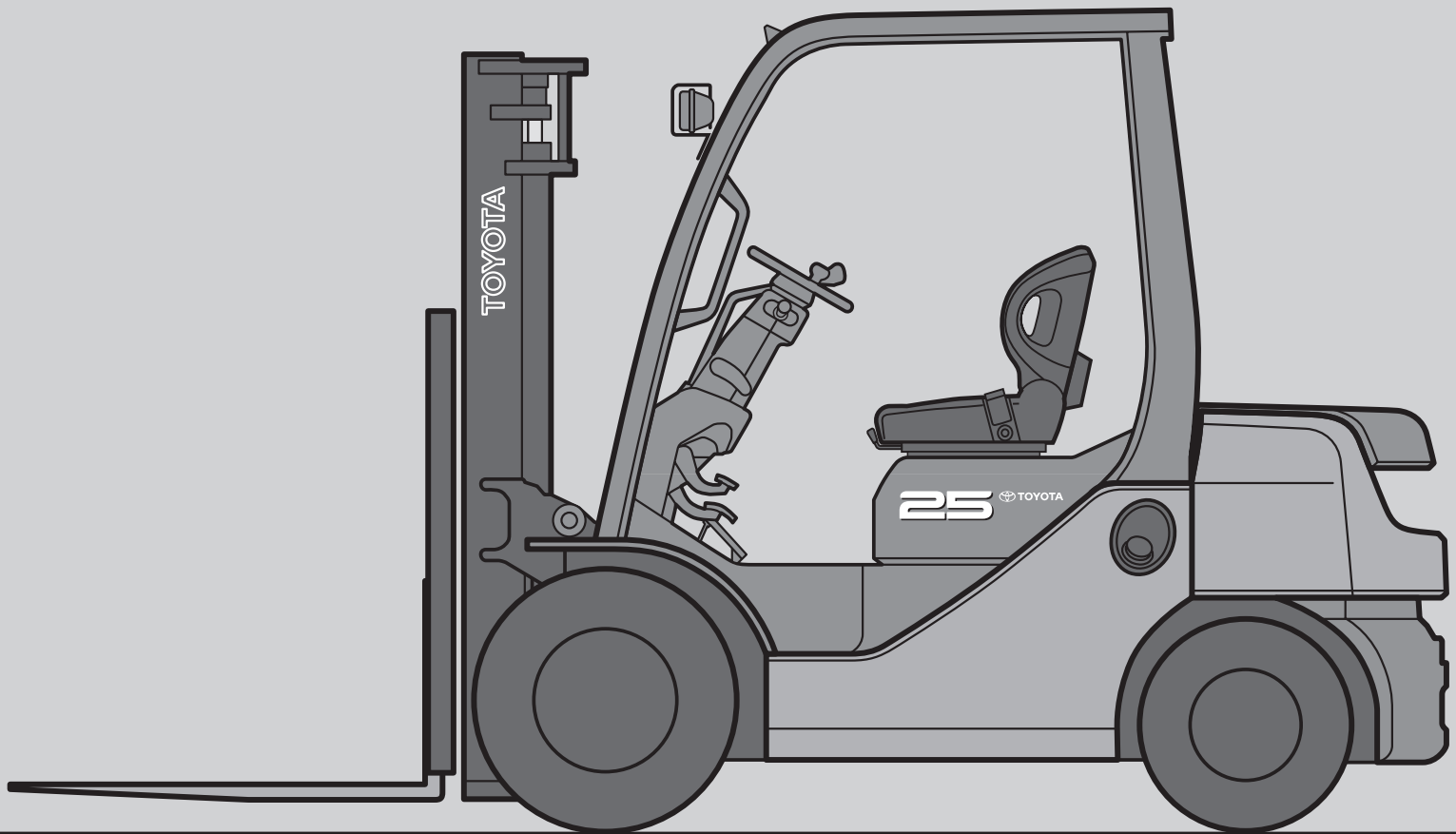


# ENGINE POWERED FORKLIFT

**8FG/8FD** 1.0 to 3.5 Ton  
Series



# 1,000 kg

## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                                  |                           |                      |                 |                                     |                 |                               |           |    |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------------|---------------------------|----------------------|-----------------|-------------------------------------|-----------------|-------------------------------|-----------|----|
| Characteristics  | 1                      | Manufacturer                                                              |                                  |                           | TOYOTA               |                 | TOYOTA                              |                 | 1                             |           |    |
|                  | 2                      | Model                                                                     |                                  |                           | 30-8FG10             | 32-8FG10        | 60-8FD10                            | 62-8FD10        | 2                             |           |    |
|                  | 3                      | Load Capacity                                                             |                                  | kg                        | 1000                 |                 | 1000                                |                 | 3                             |           |    |
|                  | 4                      | Load Center                                                               |                                  | mm                        | 500                  |                 | 500                                 |                 | 4                             |           |    |
|                  | 5                      | Power Type                                                                |                                  |                           | Gasoline             |                 | Diesel                              |                 | 5                             |           |    |
|                  | 6                      | Operator Position                                                         |                                  |                           | Rider Seated         |                 | Rider Seated                        |                 | 6                             |           |    |
|                  | 7                      | Tire Type                                                                 | Front/Rear                       |                           | Pneumatic            |                 | Pneumatic                           |                 | 7                             |           |    |
|                  | 8                      | Wheels (x = driven)                                                       | Front/Rear                       |                           | 2x/2                 |                 | 2x/2                                |                 | 8                             |           |    |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                                  | mm                        | 3000                 |                 | 3000                                |                 | 9                             |           |    |
|                  | 10                     | Free Lift                                                                 |                                  | mm                        | 140                  |                 | 140                                 |                 | 10                            |           |    |
|                  | 13                     | Fork Size                                                                 | T x W x L                        | mm                        | 30x100x1070          |                 | 30x100x1070                         |                 | 13                            |           |    |
|                  |                        | Fork Spread (Outside)                                                     | MAX./MIN.                        | mm                        | 920/200              |                 | 920/200                             |                 |                               |           |    |
|                  | 14                     | Tilt Range                                                                | FWD/BWD                          | deg                       | 7/10                 |                 | 7/10                                |                 | 14                            |           |    |
|                  | 15                     | Length to Fork Face                                                       |                                  | mm                        | 2240                 |                 | 2240                                |                 | 15                            |           |    |
|                  | 16                     | Overall Width                                                             |                                  | mm                        | 1045                 |                 | 1045                                |                 | 16                            |           |    |
|                  | 17                     | Mast Lowered Height                                                       |                                  | mm                        | 1970                 |                 | 1970                                |                 | 17                            |           |    |
|                  | 18                     | Mast Extended Height                                                      |                                  | mm                        | 4220                 |                 | 4220                                |                 | 18                            |           |    |
|                  | 19                     | Overhead Guard Height                                                     |                                  | mm                        | 2080                 |                 | 2080                                |                 | 19                            |           |    |
|                  | 21                     | Turning Radius (Outside)                                                  |                                  | mm                        | 1910                 |                 | 1910                                |                 | 21                            |           |    |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                                  | mm                        | 400                  |                 | 400                                 |                 | 22                            |           |    |
|                  |                        | Rear Overhang                                                             |                                  | mm                        | 355                  |                 | 355                                 |                 |                               |           |    |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                                  | mm                        | 2310                 |                 | 2310                                |                 | 23                            |           |    |
|                  | Performance            | 24                                                                        | Speeds                           | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h            | 19.0/19.0                           | 18.5/18.5       | 17.5/17.5                     | 17.5/17.5 | 24 |
|                  |                        | No Load                                                                   |                                  | km/h                      | 19.5/19.5            | 19.0/19.0       | 18.0/18.0                           | 18.0/18.0       |                               |           |    |
| Lifting          |                        | Full Load                                                                 |                                  | mm/sec                    | 610                  | 610             | 650                                 | 650             | 25                            |           |    |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 660                  | 660             | 675                                 | 675             |                               |           |    |
| Lowering         |                        | Full Load                                                                 |                                  | mm/sec                    | 500                  | 500             | 500                                 | 500             | 26                            |           |    |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 550                  | 550             | 550                                 | 550             |                               |           |    |
| 28               |                        | Max. Drawbar Pull                                                         |                                  | Full Load                 | N (kg)               | 16800 (1710)    | 19500 (1990)                        | 17500 (1780)    | 19500 (1990)                  | 28        |    |
|                  |                        |                                                                           |                                  | No Load                   | N (kg)               | 7500 (760)      | 6800 (690)                          | 7500 (760)      | 7500 (760)                    |           |    |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                                  | Full Load                 | N (kg)               | —               | 17300 (1760)                        | —               | 17600 (1790)                  |           |    |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                                  | Full Load                 | % (tanθ)             | —               | 45                                  | —               | 45                            | 29        |    |
| 30               | Max. Gradeability *    |                                                                           | Full Load                        | % (tanθ)                  | 45                   | 45              | 45                                  | 45              | 30                            |           |    |
|                  |                        |                                                                           | No Load                          | % (tanθ)                  | 28                   | 28              | 28                                  | 28              |                               |           |    |
| Weight           | 32                     | Total Weight                                                              |                                  | kg                        | 2070                 |                 | 2170                                |                 | 32                            |           |    |
|                  | 33                     | Weight<br>Distribution                                                    | Full Load                        | Front                     | kg                   | 2670            |                                     | 2720            |                               | 33        |    |
|                  | Rear                   |                                                                           |                                  | kg                        | 400                  |                 | 450                                 |                 |                               |           |    |
|                  | 34                     |                                                                           | No Load                          | Front                     | kg                   | 1060            |                                     | 1110            |                               | 34        |    |
|                  |                        |                                                                           |                                  | Rear                      | kg                   | 1010            |                                     | 1060            |                               |           |    |
| Wheels and Tires | 35                     | Tires                                                                     | Number                           | Front/Rear                |                      | 2/2             |                                     | 2/2             |                               | 35        |    |
|                  | 36                     |                                                                           | Size                             | Front                     |                      | 6.00-9-10PR (I) |                                     | 6.00-9-10PR (I) |                               | 36        |    |
|                  | 37                     |                                                                           |                                  | Rear                      |                      | 5.00-8-8PR (I)  |                                     | 5.00-8-8PR (I)  |                               | 37        |    |
|                  | 38                     | Wheelbase                                                                 |                                  | mm                        | 1485                 |                 | 1485                                |                 | 38                            |           |    |
|                  | 39                     | Tread                                                                     |                                  | Front                     | mm                   | 885             |                                     | 885             |                               | 39        |    |
|                  | Rear                   |                                                                           |                                  | mm                        | 895                  |                 | 895                                 |                 |                               |           |    |
|                  |                        | Backrest Height                                                           |                                  | mm                        | 1220                 |                 | 1220                                |                 |                               |           |    |
|                  |                        | Overhead Guard Clearance                                                  |                                  | mm                        | 1055                 |                 | 1055                                |                 |                               |           |    |
|                  |                        | Counterweight Height                                                      |                                  | mm                        | 1070                 |                 | 1070                                |                 |                               |           |    |
|                  |                        | Drawbar Pin Center Height                                                 |                                  | mm                        | 285                  |                 | 285                                 |                 |                               |           |    |
|                  |                        | Step Height/Floor Height                                                  |                                  | mm                        | 370/605              |                 | 370/605                             |                 |                               |           |    |
|                  | 40                     | Underclearance                                                            | Min. <Mast>                      | mm                        | 80                   |                 | 80                                  |                 | 40                            |           |    |
|                  | 41                     | (Full Load)                                                               | Center of Wheelbase              | mm                        | 110                  |                 | 110                                 |                 | 41                            |           |    |
|                  |                        | Grade Clearance                                                           | Frame/Counterweight              | % (tanθ)                  | 41/58                |                 | 41/58                               |                 |                               |           |    |
|                  | 42                     | Brake                                                                     | Service (Foot)                   |                           | Hydraulic            |                 | Hydraulic                           |                 | 42                            |           |    |
|                  | 43                     |                                                                           | Parking                          |                           | Hand                 | Foot            | Hand                                | Foot            | 43                            |           |    |
|                  | Drive Unit and Control | 45                                                                        | Battery                          |                           | V/AH                 | 12/27           |                                     | 12/55           |                               | 45        |    |
|                  |                        | 49                                                                        | Internal<br>Combustion<br>Engine | Make/Model                |                      |                 | TOYOTA/4Y                           |                 | TOYOTA/1DZ-II [1DZ-III] **    |           | 49 |
|                  |                        | 50                                                                        |                                  | Rated Power/r.p.m.        |                      | kW (JIS ps)     | 40/2400 (54/2400)                   |                 | 40 (55) /2400 [38 (52) /2400] |           | 50 |
| 51               |                        | Rated Torque/r.p.m.                                                       |                                  | N-m (JIS kg-m)            | 162/1800 (16.5/1800) |                 | 167 (17.0) /1600 [157 (16.0) /2300] |                 | 51                            |           |    |
|                  |                        | Number of Cylinder                                                        |                                  |                           | 4                    |                 | 4                                   |                 |                               |           |    |
| 52               |                        | Piston Displacement                                                       |                                  | cc                        | 2237                 |                 | 2486                                |                 | 52                            |           |    |
|                  |                        | Fuel Tank Capacity                                                        |                                  | liter                     | 45                   |                 | 45                                  |                 |                               |           |    |
| 55               |                        | Transmission                                                              |                                  | Type                      |                      | Manual          | Powershift                          | Manual          | Powershift                    | 55        |    |
|                  | Stage                  | FWD/RVS                                                                   |                                  | 2/2                       | 1/1                  | 2/2             | 1/1                                 |                 |                               |           |    |
| 57               | Operating Pressure     | For Attachments                                                           |                                  | Mpa (kg/cm <sup>2</sup> ) | 11.8 (120)           |                 | 11.8 (120)                          |                 | 57                            |           |    |

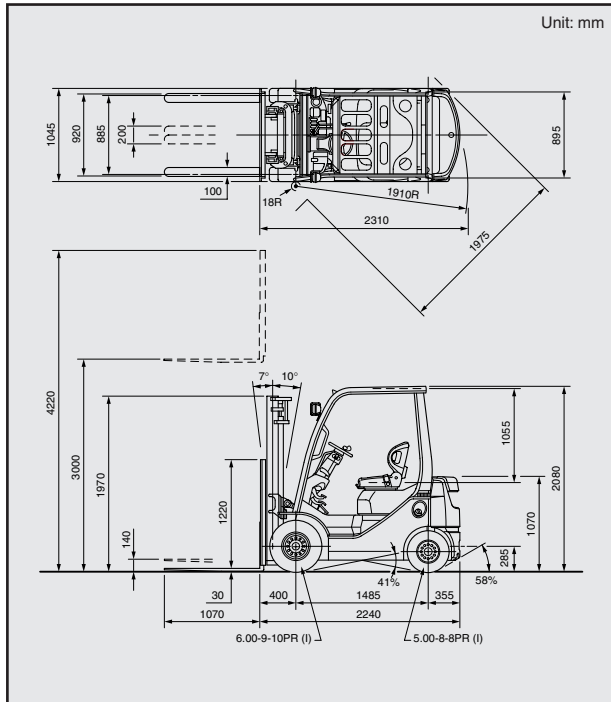
NOTE: \* Computed values.

\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Single          | Single           | Dual            |
|------------------------|-----------------|------------------|-----------------|
| Front Tire Size        | 6.00-9-10PR (I) | 6.50-10-10PR (I) | 4.50-12-8PR (I) |
| Overall Width          | mm              | 1045             | 1290            |
| Tread, Front           | mm              | 885              | 1010            |

## UNDERCLEARANCE mm

|                                 |     |
|---------------------------------|-----|
| Mast (Full Load)                | 80  |
| Drive Axle (Full Load)          | 80  |
| Steer Axle (No Load)            | 130 |
| Center of Wheelbase (Full Load) | 110 |
| Counterweight (No Load)         | 125 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN or PSC)

| A (mm) | 4000 | 4500 | 5000 |
|--------|------|------|------|
| 500    | 1000 | 950  | 950  |
| 600    | 900  | 850  | 850  |
| 700    | 810  | 770  | 770  |
| 800    | 750  | 710  | 710  |
| 900    | 690  | 650  | 650  |
| 1000   | 640  | 610  | 610  |
| 1100   | 600  | 570  | 570  |
| 1200   | 560  | 530  | 530  |

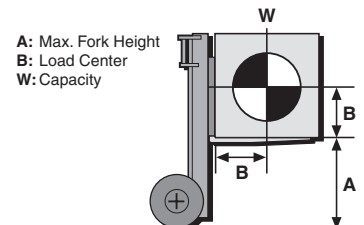
### FSV Mast (PN)

| A (mm) | 3700 | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000      | 6500  | 7000  |
|--------|------|------|------|------|------|------|------|-----------|-------|-------|
| 500    | 950  | 900  | 900  | 900  | 900  | 850  | 850  | 700 [800] | [700] | [650] |
| 600    | 850  | 810  | 810  | 810  | 810  | 760  | 760  | 630 [720] | [630] | [580] |
| 700    | 780  | 740  | 740  | 740  | 740  | 690  | 690  | 570 [650] | [570] | [530] |
| 800    | 710  | 670  | 670  | 670  | 670  | 640  | 640  | 520 [600] | [520] | [490] |
| 900    | 660  | 620  | 620  | 620  | 620  | 590  | 590  | 480 [550] | [480] | [450] |
| 1000   | 610  | 580  | 580  | 580  | 580  | 550  | 550  | 450 [510] | [450] | [420] |
| 1100   | 570  | 540  | 540  | 540  | 540  | 510  | 510  | 420 [480] | [420] | [390] |
| 1200   | 540  | 510  | 510  | 510  | 510  | 480  | 480  | 390 [450] | [390] | [370] |

[ ] for dual tire models (PN or PSC).

### FSV Mast (PSC)

| A (mm) | 6000 |
|--------|------|
| 500    | 800  |
| 600    | 720  |
| 700    | 650  |
| 800    | 600  |
| 900    | 550  |
| 1000   | 510  |
| 1100   | 480  |
| 1200   | 450  |



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |                               | Dual Tire  |     |                                                 |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|-------------------------------|------------|-----|-------------------------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |                               | Tilt Range |     | Load Capacity at 500 mm LC                      |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |            |     | PneumaticTire/<br>Pneumatic-Shaped Cushion Tire |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD |                            |                               | FWD        | BWD | kg                                              |
| Wide Visible Mast (V)                              | 2700                | 1820*          | 3150**                | 3920                        | 140                   | 140                         | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3000                | 1970*          | 3450**                | 4220                        | 140                   | 140                         | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3300                | 2120*          | 3750**                | 4520                        | 140                   | 140                         | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3500                | 2220*          | 3950**                | 4720                        | 140                   | 140                         | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3700                | 2380*          | 4150**                | 4920                        | 140                   | 140                         | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 4000                | 2570*          | 4450**                | 5220                        | 140                   | 140                         | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 4500                | 2820*          | 4950**                | 5720                        | 140                   | 140                         | 7           | 5   | 950                        | 950                           | 7          | 10  | 950                                             |
|                                                    | 5000                | 3070*          | 5450**                | 6220                        | 140                   | 140                         | 7           | 5   | 950                        | 950                           | 7          | 5   | 950                                             |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 2870***             | 1905*          | 3440                  | 4090                        | 1335*                 | 685*                        | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3000                | 1970*          | 3570                  | 4220                        | 1400*                 | 750*                        | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3300                | 2120*          | 3870                  | 4520                        | 1550*                 | 900*                        | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3500                | 2220*          | 4070                  | 4720                        | 1650*                 | 1000*                       | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 3700                | 2380*          | 4270                  | 4920                        | 1810*                 | 1160*                       | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
|                                                    | 4000                | 2570*          | 4570                  | 5220                        | 2000*                 | 1350*                       | 7           | 10  | 1000                       | 1000                          | 7          | 10  | 1000                                            |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1770*          | 4240                  | 4920                        | 1230*                 | 550*                        | 7           | 5   | 950                        | 950                           | 7          | 5   | 950                                             |
|                                                    | 4000                | 1870*          | 4540                  | 5220                        | 1330*                 | 650*                        | 7           | 5   | 900                        | 900                           | 7          | 5   | 900                                             |
|                                                    | 4300                | 1970*          | 4840                  | 5520                        | 1430*                 | 750*                        | 7           | 5   | 900                        | 900                           | 7          | 5   | 900                                             |
|                                                    | 4500                | 2040*          | 5040                  | 5720                        | 1500*                 | 820*                        | 7           | 5   | 900                        | 900                           | 7          | 5   | 900                                             |
|                                                    | 4700                | 2120*          | 5240                  | 5920                        | 1580*                 | 900*                        | 7           | 5   | 900                        | 900                           | 7          | 5   | 900                                             |
|                                                    | 5000                | 2220*          | 5540                  | 6220                        | 1680*                 | 1000*                       | 7           | 5   | 850                        | 850                           | 7          | 5   | 850                                             |
|                                                    | 5500                | 2380*          | 6040                  | 6720                        | 1840*                 | 1160*                       | 7           | 5   | 850                        | 850                           | 7          | 5   | 850                                             |
|                                                    | 6000                | 2570*          | 6540                  | 7220                        | 2030*                 | 1350*                       | 7           | 5   | 700                        | 800                           | 7          | 5   | 800                                             |
|                                                    | 6500                | 2820*          | 7040                  | 7720                        | 2280*                 | 1600*                       | —           | —   | —                          | —                             | 7          | 5   | 700                                             |
|                                                    | 7000                | 3070*          | 7540                  | 8220                        | 2530*                 | 1850*                       | —           | —   | —                          | —                             | 7          | 5   | 650                                             |

NOTE: Height of standard load backrest is 1220 mm.

\* with optional tire size; 6.50-10-10PR (I), plus 25 mm.

\*\* with A4 piping, plus 155 mm.

\*\*\* Set only to a Russian specification.

# 1,500 kg

## MAIN VEHICLE SPECIFICATIONS

|                        |                     |                                                                           |                     |                           |                      |                  |                                     |                  |              |           |
|------------------------|---------------------|---------------------------------------------------------------------------|---------------------|---------------------------|----------------------|------------------|-------------------------------------|------------------|--------------|-----------|
| Characteristics        | 1                   | Manufacturer                                                              |                     |                           | TOYOTA               |                  | TOYOTA                              |                  | 1            |           |
|                        | 2                   | Model                                                                     |                     |                           | 30-8FG15             | 32-8FG15         | 60-8FD15                            | 62-8FD15         | 2            |           |
|                        | 3                   | Load Capacity                                                             |                     | kg                        | 1500                 |                  | 1500                                |                  | 3            |           |
|                        | 4                   | Load Center                                                               |                     | mm                        | 500                  |                  | 500                                 |                  | 4            |           |
|                        | 5                   | Power Type                                                                |                     |                           | Gasoline             |                  | Diesel                              |                  | 5            |           |
|                        | 6                   | Operator Position                                                         |                     |                           | Rider Seated         |                  | Rider Seated                        |                  | 6            |           |
|                        | 7                   | Tire Type                                                                 | Front/Rear          |                           | Pneumatic            |                  | Pneumatic                           |                  | 7            |           |
|                        | 8                   | Wheels (x = driven)                                                       | Front/Rear          |                           | 2x/2                 |                  | 2x/2                                |                  | 8            |           |
| Dimensions             | 9                   | Maximum Fork Height (MFH)                                                 |                     | mm                        | 3000                 |                  | 3000                                |                  | 9            |           |
|                        | 10                  | Free Lift                                                                 |                     | mm                        | 145                  |                  | 145                                 |                  | 10           |           |
|                        | 13                  | Fork Size                                                                 | T x W x L           | mm                        | 35x100x1070          |                  | 35x100x1070                         |                  | 13           |           |
|                        |                     | Fork Spread (Outside)                                                     | MAX./MIN.           | mm                        | 920/200              |                  | 920/200                             |                  |              |           |
|                        | 14                  | Tilt Range                                                                | FWD/BWD             | deg                       | 6/11                 |                  | 6/11                                |                  | 14           |           |
|                        | 15                  | Length to Fork Face                                                       |                     | mm                        | 2285                 |                  | 2285                                |                  | 15           |           |
|                        | 16                  | Overall Width                                                             |                     | mm                        | 1070                 |                  | 1070                                |                  | 16           |           |
|                        | 17                  | Mast Lowered Height                                                       |                     | mm                        | 1995                 |                  | 1995                                |                  | 17           |           |
|                        | 18                  | Mast Extended Height                                                      |                     | mm                        | 4220                 |                  | 4220                                |                  | 18           |           |
|                        | 19                  | Overhead Guard Height                                                     |                     | mm                        | 2080                 |                  | 2080                                |                  | 19           |           |
|                        | 21                  | Turning Radius (Outside)                                                  |                     | mm                        | 1990                 |                  | 1990                                |                  | 21           |           |
|                        | 22                  | Load Distance<br>(Centerline of front axle to front face of forks)        |                     | mm                        | 405                  |                  | 405                                 |                  | 22           |           |
|                        |                     | Rear Overhang                                                             |                     | mm                        | 395                  |                  | 395                                 |                  |              |           |
|                        | 23                  | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                     | mm                        | 2395                 |                  | 2395                                |                  | 23           |           |
|                        | Performance         | 24                                                                        | Speeds              | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h             | 19.0/19.0                           | 18.5/18.5        | 19.0/19.0    | 19.0/19.0 |
|                        |                     | No Load                                                                   |                     | km/h                      | 19.5/19.5            | 19.0/19.0        | 19.5/19.5                           | 19.5/19.5        |              |           |
| 25                     |                     | Lifting                                                                   |                     | Full Load                 | mm/sec               | 610              | 610                                 | 650              | 650          | 25        |
|                        |                     |                                                                           |                     | No Load                   | mm/sec               | 660              | 660                                 | 675              | 675          |           |
| 26                     |                     | Lowering                                                                  |                     | Full Load                 | mm/sec               | 500              | 500                                 | 500              | 500          | 26        |
|                        |                     |                                                                           |                     | No Load                   | mm/sec               | 550              | 550                                 | 550              | 550          |           |
| 28                     |                     | Max. Drawbar Pull                                                         |                     | Full Load                 | N (kg)               | 15500 (1580)     | 17500 (1790)                        | 15500 (1580)     | 17600 (1790) | 28        |
|                        |                     |                                                                           |                     | No Load                   | N (kg)               | 6900 (700)       | 6300 (640)                          | 7000 (710)       | 7000 (710)   |           |
|                        |                     | Max. Drawbar Pull at 1.5km/h *                                            |                     | Full Load                 | N (kg)               | —                | 15700 (1600)                        | —                | 16000 (1630) |           |
| 29                     |                     | Gradeability at 1.5 km/h *                                                |                     | Full Load                 | % (tanθ)             | —                | 45                                  | —                | 45           | 29        |
| 30                     | Max. Gradeability * |                                                                           | Full Load           | % (tanθ)                  | 45                   | 45               | 44                                  | 45               | 30           |           |
|                        |                     |                                                                           | No Load             | % (tanθ)                  | 22                   | 22               | 22                                  | 22               |              |           |
| Weight                 | 32                  | Total Weight                                                              |                     | kg                        | 2430                 |                  | 2530                                |                  | 32           |           |
|                        | 33                  | Weight<br>Distribution                                                    | Full Load           | Front                     | kg                   | 3430             |                                     | 3480             |              | 33        |
|                        | Rear                |                                                                           |                     | kg                        | 500                  |                  | 550                                 |                  |              |           |
|                        | 34                  |                                                                           | No Load             | Front                     | kg                   | 1010             |                                     | 1060             |              | 34        |
| Rear                   |                     |                                                                           |                     | kg                        | 1420                 |                  | 1470                                |                  |              |           |
| Wheels and Tires       | 35                  | Tires                                                                     | Number              | Front/Rear                |                      | 2/2              |                                     | 2/2              |              | 35        |
|                        | 36                  |                                                                           | Size                | Front                     |                      | 6.50-10-10PR (I) |                                     | 6.50-10-10PR (I) |              | 36        |
|                        | 37                  |                                                                           |                     | Rear                      |                      | 5.00-8-8PR (I)   |                                     | 5.00-8-8PR (I)   |              | 37        |
|                        | 38                  | Wheelbase                                                                 |                     | mm                        | 1485                 |                  | 1485                                |                  | 38           |           |
|                        | 39                  | Tread                                                                     |                     | Front                     | mm                   | 885              |                                     | 885              |              | 39        |
|                        |                     |                                                                           |                     | Rear                      | mm                   | 895              |                                     | 895              |              |           |
|                        |                     | Backrest Height                                                           |                     | mm                        | 1220                 |                  | 1220                                |                  |              |           |
|                        |                     | Overhead Guard Clearance                                                  |                     | mm                        | 1055                 |                  | 1055                                |                  |              |           |
|                        |                     | Counterweight Height                                                      |                     | mm                        | 1065                 |                  | 1065                                |                  |              |           |
|                        |                     | Drawbar Pin Center Height                                                 |                     | mm                        | 285                  |                  | 285                                 |                  |              |           |
|                        |                     | Step Height/Floor Height                                                  |                     | mm                        | 395/635              |                  | 395/635                             |                  |              |           |
|                        | 40                  | Underclearance<br>(Full Load)                                             | Min. <Mast>         | mm                        | 100                  |                  | 100                                 |                  | 40           |           |
|                        | 41                  |                                                                           | Center of Wheelbase | mm                        | 115                  |                  | 115                                 |                  | 41           |           |
|                        |                     | Grade Clearance                                                           | Frame/Counterweight | % (tanθ)                  | 46/46                |                  | 46/46                               |                  |              |           |
|                        | 42                  | Brake                                                                     | Service (Foot)      |                           | Hydraulic            |                  | Hydraulic                           |                  | 42           |           |
|                        | 43                  |                                                                           | Parking             |                           | Hand                 | Foot             | Hand                                | Foot             | 43           |           |
| Drive Unit and Control | 45                  | Battery                                                                   |                     | V/AH                      | 12/27                |                  | 12/55                               |                  | 45           |           |
|                        | 49                  | Internal<br>Combustion<br>Engine                                          | Make/Model          |                           | TOYOTA/4Y            |                  | TOYOTA/1DZ-II [1DZ-III] **          |                  | 49           |           |
|                        | 50                  |                                                                           | Rated Power/r.p.m.  | kW (JIS ps)               | 40/2400 (54/2400)    |                  | 40 (55) /2400 [38 (52) /2400]       |                  | 50           |           |
|                        | 51                  |                                                                           | Rated Torque/r.p.m. | N-m (JIS kg-m)            | 162/1800 (16.5/1800) |                  | 167 (17.0) /1600 [157 (16.0) /2300] |                  | 51           |           |
|                        |                     |                                                                           | Number of Cylinder  |                           | 4                    |                  | 4                                   |                  |              |           |
|                        | 52                  |                                                                           | Piston Displacement | cc                        | 2237                 |                  | 2486                                |                  | 52           |           |
|                        |                     |                                                                           | Fuel Tank Capacity  | liter                     | 45                   |                  | 45                                  |                  |              |           |
|                        | 55                  | Transmission                                                              | Type                |                           | Manual               | Powershift       | Manual                              | Powershift       |              |           |
|                        | Stage               |                                                                           | FWD/RVS             |                           | 2/2                  | 1/1              | 2/2                                 | 1/1              | 55           |           |
|                        | 57                  | Operating Pressure                                                        | For Attachments     | Mpa (kg/cm <sup>2</sup> ) | 11.8 (120)           |                  | 11.8 (120)                          |                  | 57           |           |

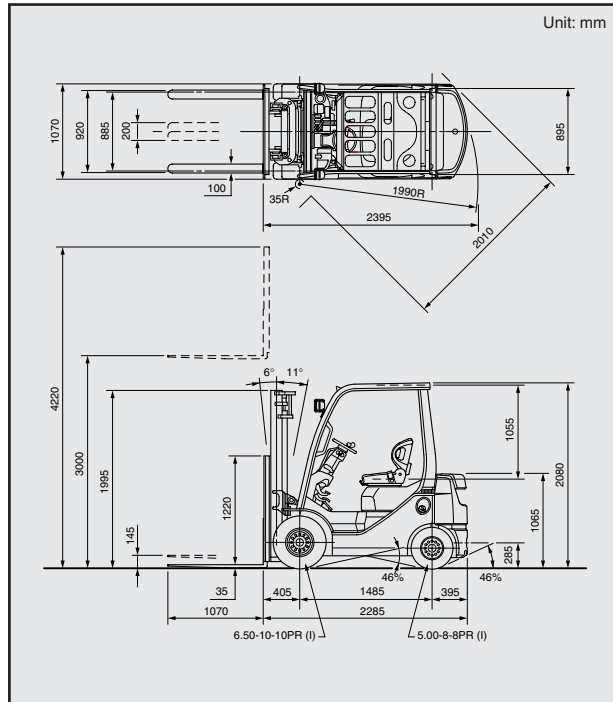
NOTE: \* Computed values.

\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Single           | Single          | Dual            |
|------------------------|------------------|-----------------|-----------------|
| Front Tire Size        | 6.50-10-10PR (I) | 21x8-9-10PR (I) | 4.50-12-8PR (I) |
| Overall Width          | mm               | 1070            | 1290            |
| Tread, Front           | mm               | 885             | 920             |

## UNDERCLEARANCE mm

|                                 |     |
|---------------------------------|-----|
| Mast (Full Load)                | 100 |
| Drive Axle (Full Load)          | 105 |
| Steer Axle (No Load)            | 120 |
| Center of Wheelbase (Full Load) | 115 |
| Counterweight (No Load)         | 120 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN or PSC)

| A (mm) | 4000 | 4500 | 5000 |
|--------|------|------|------|
| 500    | 1500 | 1450 | 1300 |
| 600    | 1350 | 1300 | 1170 |
| 700    | 1220 | 1180 | 1060 |
| 800    | 1120 | 1090 | 970  |
| 900    | 1040 | 1000 | 900  |
| 1000   | 960  | 930  | 830  |
| 1100   | 900  | 870  | 780  |
| 1200   | 840  | 810  | 730  |

### FSV Mast (PN)

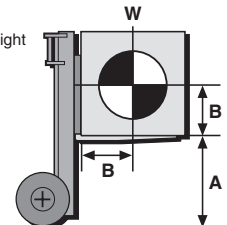
| A (mm) | 4300 | 4500 | 4700 | 5000           | 5500          | 6000          | 6500       | 7000       |
|--------|------|------|------|----------------|---------------|---------------|------------|------------|
| 500    | 1400 | 1350 | 1350 | 1250<br>[1300] | 950<br>[1250] | 700<br>[1100] | —<br>[900] | —<br>[650] |
| 600    | 1260 | 1210 | 1210 | 1120<br>[1170] | 850<br>[1120] | 630<br>[990]  | —<br>[810] | —<br>[580] |
| 700    | 1150 | 1110 | 1110 | 1020<br>[1060] | 780<br>[1020] | 570<br>[900]  | —<br>[740] | —<br>[530] |
| 800    | 1050 | 1020 | 1020 | 940<br>[980]   | 710<br>[940]  | 520<br>[830]  | —<br>[680] | —<br>[490] |
| 900    | 970  | 940  | 940  | 870<br>[900]   | 660<br>[870]  | 480<br>[760]  | —<br>[620] | —<br>[450] |
| 1000   | 910  | 870  | 870  | 810<br>[840]   | 610<br>[810]  | 450<br>[710]  | —<br>[580] | —<br>[420] |
| 1100   | 850  | 820  | 820  | 750<br>[790]   | 570<br>[750]  | 420<br>[660]  | —<br>[540] | —<br>[390] |
| 1200   | 790  | 770  | 770  | 710<br>[740]   | 540<br>[710]  | 390<br>[620]  | —<br>[510] | —<br>[370] |

[ ] for dual tire models (PN or PSC).

### FSV Mast (PSC)

| A (mm) | 5000 | 5500 | 6000 |
|--------|------|------|------|
| 500    | 1300 | 1050 | 800  |
| 600    | 1170 | 940  | 720  |
| 700    | 1060 | 860  | 650  |
| 800    | 980  | 790  | 600  |
| 900    | 900  | 730  | 550  |
| 1000   | 840  | 680  | 520  |
| 1100   | 790  | 630  | 480  |
| 1200   | 740  | 590  | 450  |

A: Max. Fork Height  
B: Load Center  
W: Capacity



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |                               | Dual Tire  |     |                                                 |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|-------------------------------|------------|-----|-------------------------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |                               | Tilt Range |     | Load Capacity at 500 mm LC                      |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |            |     | PneumaticTire/<br>Pneumatic-Shaped Cushion Tire |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD | FWD                        | BWD                           | FWD        | BWD | kg                                              |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg | kg                         | kg                            | deg        | deg | kg                                              |
| Wide Visible Mast (V)                              | 2700                | 1845           | 3150*                 | 3920                        | 145                   | 145                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3000                | 1995           | 3450*                 | 4220                        | 145                   | 145                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3300                | 2145           | 3750*                 | 4520                        | 145                   | 145                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3500                | 2245           | 3950*                 | 4720                        | 145                   | 145                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3700                | 2405           | 4150*                 | 4920                        | 145                   | 145                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 4000                | 2595           | 4450*                 | 5220                        | 145                   | 145                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 4500                | 2845           | 4950*                 | 5720                        | 145                   | 145                         | 6           | 6   | 1450                       | 1450                          | 7          | 10  | 1450                                            |
|                                                    | 5000                | 3095           | 5450*                 | 6220                        | 145                   | 145                         | 6           | 6   | 1300                       | 1300                          | 7          | 5   | 1300                                            |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 2870**              | 1930           | 3440                  | 4090                        | 1365                  | 715                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3000                | 1995           | 3570                  | 4220                        | 1430                  | 780                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3300                | 2145           | 3870                  | 4520                        | 1580                  | 930                         | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3500                | 2245           | 4070                  | 4720                        | 1680                  | 1030                        | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 3700                | 2405           | 4270                  | 4920                        | 1840                  | 1190                        | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
|                                                    | 4000                | 2595           | 4570                  | 5220                        | 2030                  | 1380                        | 6           | 11  | 1500                       | 1500                          | 7          | 10  | 1500                                            |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1795           | 4240                  | 4920                        | 1260                  | 580                         | 6           | 6   | 1400                       | 1400                          | 7          | 5   | 1400                                            |
|                                                    | 4000                | 1895           | 4540                  | 5220                        | 1360                  | 680                         | 6           | 6   | 1400                       | 1400                          | 7          | 5   | 1400                                            |
|                                                    | 4300                | 1995           | 4840                  | 5520                        | 1460                  | 780                         | 6           | 6   | 1400                       | 1400                          | 7          | 5   | 1400                                            |
|                                                    | 4500                | 2065           | 5040                  | 5720                        | 1530                  | 850                         | 6           | 6   | 1350                       | 1350                          | 7          | 5   | 1350                                            |
|                                                    | 4700                | 2145           | 5240                  | 5920                        | 1610                  | 930                         | 6           | 6   | 1350                       | 1350                          | 7          | 5   | 1350                                            |
|                                                    | 5000                | 2245           | 5540                  | 6220                        | 1710                  | 1030                        | 6           | 6   | 1250                       | 1300                          | 7          | 5   | 1300                                            |
|                                                    | 5500                | 2405           | 6040                  | 6720                        | 1870                  | 1190                        | 6           | 6   | 950                        | 1050                          | 7          | 5   | 1250                                            |
|                                                    | 6000                | 2595           | 6540                  | 7220                        | 2060                  | 1380                        | 6           | 6   | 700                        | 800                           | 7          | 5   | 1100                                            |
|                                                    | 6500                | 2845           | 7040                  | 7720                        | 2310                  | 1630                        | —           | —   | —                          | —                             | 7          | 5   | 900                                             |
|                                                    | 7000                | 3095           | 7540                  | 8220                        | 2560                  | 1880                        | —           | —   | —                          | —                             | 7          | 5   | 650                                             |

NOTE: Height of standard load backrest is 1220 mm.

\* with A4 piping, plus 155 mm.

\*\* Set only to a Russian specification.

# 1,750 kg

## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                                  |                           |                      |                                     |                   |                               |    |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------------|---------------------------|----------------------|-------------------------------------|-------------------|-------------------------------|----|
| Characteristics  | 1                      | Manufacturer                                                              |                                  |                           |                      | TOYOTA                              | TOYOTA            | 1                             |    |
|                  | 2                      | Model                                                                     |                                  |                           |                      | 32-8FG18                            | 62-8FD18          | 2                             |    |
|                  | 3                      | Load Capacity                                                             |                                  |                           | kg                   | 1750                                | 1750              | 3                             |    |
|                  | 4                      | Load Center                                                               |                                  |                           | mm                   | 500                                 | 500               | 4                             |    |
|                  | 5                      | Power Type                                                                |                                  |                           |                      | Gasoline                            | Diesel            | 5                             |    |
|                  | 6                      | Operator Position                                                         |                                  |                           |                      | Rider Seated                        | Rider Seated      | 6                             |    |
|                  | 7                      | Tire Type                                                                 | Front/Rear                       |                           |                      | Pneumatic                           | Pneumatic         | 7                             |    |
|                  | 8                      | Wheels (x = driven)                                                       | Front/Rear                       |                           |                      | 2x/2                                | 2x/2              | 8                             |    |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                                  |                           | mm                   | 3000                                | 3000              | 9                             |    |
|                  | 10                     | Free Lift                                                                 |                                  |                           | mm                   | 145                                 | 145               | 10                            |    |
|                  | 13                     | Fork Size                                                                 | T x W x L                        | mm                        | 35x100x1070          | 35x100x1070                         | 13                |                               |    |
|                  |                        | Fork Spread (Outside)                                                     | MAX./MIN.                        | mm                        | 920/200              | 920/200                             |                   |                               |    |
|                  | 14                     | Tilt Range                                                                | FWD/BWD                          | deg                       | 6/11                 | 6/11                                | 14                |                               |    |
|                  | 15                     | Length to Fork Face                                                       |                                  |                           | mm                   | 2310                                | 2310              | 15                            |    |
|                  | 16                     | Overall Width                                                             |                                  |                           | mm                   | 1070                                | 1070              | 16                            |    |
|                  | 17                     | Mast Lowered Height                                                       |                                  |                           | mm                   | 1995                                | 1995              | 17                            |    |
|                  | 18                     | Mast Extended Height                                                      |                                  |                           | mm                   | 4220                                | 4220              | 18                            |    |
|                  | 19                     | Overhead Guard Height                                                     |                                  |                           | mm                   | 2080                                | 2080              | 19                            |    |
|                  | 21                     | Turning Radius (Outside)                                                  |                                  |                           | mm                   | 2010                                | 2010              | 21                            |    |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                                  |                           | mm                   | 405                                 | 405               | 22                            |    |
|                  |                        | Rear Overhang                                                             |                                  |                           | mm                   | 420                                 | 420               |                               |    |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                                  |                           | mm                   | 2415                                | 2415              | 23                            |    |
|                  | Performance            | 24                                                                        | Speeds                           | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h                                | 18.5/18.5         | 19.0/19.0                     | 24 |
|                  |                        | No Load                                                                   |                                  | km/h                      | 19.0/19.0            | 19.5/19.5                           |                   |                               |    |
| Lifting          |                        | Full Load                                                                 |                                  | mm/sec                    | 610                  | 650                                 | 25                |                               |    |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 660                  | 675                                 |                   |                               |    |
| Lowering         |                        | Full Load                                                                 |                                  | mm/sec                    | 500                  | 500                                 | 26                |                               |    |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 550                  | 550                                 |                   |                               |    |
| 28               |                        | Max. Drawbar Pull                                                         |                                  | Full Load                 | N (kg)               | 17500 (1790)                        | 17600 (1790)      | 28                            |    |
|                  |                        |                                                                           |                                  | No Load                   | N (kg)               | 6300 (640)                          | 6300 (640)        |                               |    |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                                  | Full Load                 | N (kg)               | 15600 (1590)                        | 16000 (1630)      |                               |    |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                                  | Full Load                 | % (tanθ)             | 40                                  | 40                | 29                            |    |
| 30               | Max. Gradeability *    |                                                                           | Full Load                        | % (tanθ)                  | 45                   | 44                                  | 30                |                               |    |
|                  |                        |                                                                           | No Load                          | % (tanθ)                  | 20                   | 20                                  |                   |                               |    |
|                  | Weight                 | 32                                                                        | Total Weight                     |                           |                      | kg                                  | 2610              | 2710                          | 32 |
| 33               |                        | Weight<br>Distribution                                                    | Full Load                        | Front                     | kg                   | 3790                                | 3910              | 33                            |    |
| Rear             |                        |                                                                           |                                  | kg                        | 570                  | 550                                 |                   |                               |    |
| 34               |                        |                                                                           | No Load                          | Front                     | kg                   | 970                                 | 1090              | 34                            |    |
| Rear             |                        |                                                                           |                                  | kg                        | 1640                 | 1620                                |                   |                               |    |
| Wheels and Tires |                        | 35                                                                        | Tires                            | Number                    | Front/Rear           |                                     | 2/2               | 2/2                           | 35 |
|                  | 36                     | Size                                                                      |                                  | Front                     |                      | 6.50-10-10PR (I)                    | 6.50-10-10PR (I)  | 36                            |    |
|                  | 37                     |                                                                           |                                  | Rear                      |                      | 5.00-8-8PR (I)                      | 5.00-8-8PR (I)    | 37                            |    |
|                  | 38                     | Wheelbase                                                                 |                                  |                           | mm                   | 1485                                | 1485              | 38                            |    |
|                  | 39                     | Tread                                                                     |                                  | Front                     | mm                   | 885                                 | 885               | 39                            |    |
|                  |                        |                                                                           |                                  | Rear                      | mm                   | 895                                 | 895               |                               |    |
|                  |                        | Backrest Height                                                           |                                  |                           | mm                   | 1220                                | 1220              |                               |    |
|                  |                        | Overhead Guard Clearance                                                  |                                  |                           | mm                   | 1055                                | 1055              |                               |    |
|                  |                        | Counterweight Height                                                      |                                  |                           | mm                   | 1060                                | 1060              |                               |    |
|                  |                        | Drawbar Pin Center Height                                                 |                                  |                           | mm                   | 285                                 | 285               |                               |    |
|                  |                        | Step Height/Floor Height                                                  |                                  |                           | mm                   | 395/635                             | 395/635           |                               |    |
|                  | 40                     | Underclearance<br>(Full Load)                                             | Min. <Mast>                      | mm                        | 100                  | 100                                 | 40                |                               |    |
|                  | 41                     |                                                                           | Center of Wheelbase              | mm                        | 115                  | 115                                 | 41                |                               |    |
|                  |                        | Grade Clearance                                                           | Frame/Counterweight              | % (tanθ)                  | 46/42                | 46/42                               |                   |                               |    |
|                  | 42                     | Brake                                                                     | Service (Foot)                   |                           | Hydraulic            | Hydraulic                           | 42                |                               |    |
|                  | 43                     |                                                                           | Parking                          |                           | Foot                 | Foot                                | 43                |                               |    |
|                  | Drive Unit and Control | 45                                                                        | Battery                          | Voltage/Capacity (5HR)    |                      | V/AH                                | 12/27             | 12/55                         | 45 |
|                  |                        | 49                                                                        | Internal<br>Combustion<br>Engine | Make/Model                |                      |                                     | TOYOTA/4Y         | TOYOTA/1DZ-II [1DZ-III] **    | 49 |
|                  |                        | 50                                                                        |                                  | Rated Power/r.p.m.        |                      | kW (JIS ps)                         | 40/2400 (54/2400) | 40 (55) /2400 [38 (52) /2400] | 50 |
| 51               |                        | Rated Torque/r.p.m.                                                       |                                  | N-m (JIS kg-m)            | 162/1800 (16.5/1800) | 167 (17.0) /1600 [157 (16.0) /2300] | 51                |                               |    |
|                  |                        | Number of Cylinder                                                        |                                  |                           | 4                    | 4                                   |                   |                               |    |
| 52               |                        | Piston Displacement                                                       |                                  | cc                        | 2237                 | 2486                                | 52                |                               |    |
|                  |                        | Fuel Tank Capacity                                                        |                                  | liter                     | 45                   | 45                                  |                   |                               |    |
| 55               |                        | Transmission                                                              | Type                             |                           |                      | Powershift                          | Powershift        |                               |    |
|                  | Stage                  |                                                                           | FWD/RVS                          |                           | 1/1                  | 1/1                                 | 55                |                               |    |
|                  | 57                     | Operating Pressure                                                        | For Attachments                  |                           | Mpa (kg/cm²)         | 11.8 (120)                          | 11.8 (120)        | 57                            |    |

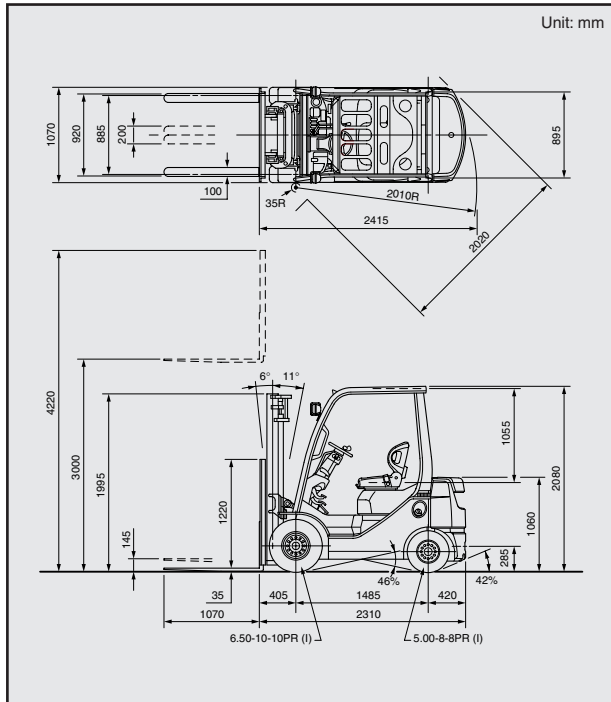
NOTE: \* Computed values.

\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Single           | Single          | Dual            |
|------------------------|------------------|-----------------|-----------------|
| Front Tire Size        | 6.50-10-10PR (I) | 21x8-9-10PR (I) | 4.50-12-8PR (I) |
| Overall Width mm       | 1070             | 1110            | 1290            |
| Tread, Front mm        | 885              | 920             | 1010            |

## UNDERCLEARANCE mm

|                                 |     |
|---------------------------------|-----|
| Mast (Full Load)                | 100 |
| Drive Axle (Full Load)          | 105 |
| Steer Axle (No Load)            | 120 |
| Center of Wheelbase (Full Load) | 115 |
| Counterweight (No Load)         | 120 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN or PSC)

| A (mm) | 3700 | 4000 | 4500 | 5000 |
|--------|------|------|------|------|
| 500    | 1750 | 1700 | 1600 | 1550 |
| 600    | 1570 | 1530 | 1440 | 1390 |
| 700    | 1430 | 1390 | 1310 | 1270 |
| 800    | 1310 | 1270 | 1200 | 1160 |
| 900    | 1210 | 1180 | 1110 | 1070 |
| 1000   | 1120 | 1090 | 1030 | 1000 |
| 1100   | 1050 | 1020 | 960  | 930  |
| 1200   | 980  | 960  | 900  | 870  |

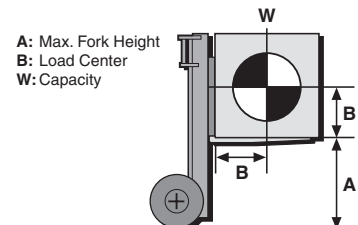
### FSV Mast (PN)

| A (mm) | 4000 | 4300 | 4500 | 4700 | 5000 | 5500           | 6000          | 6500  | 7000  |
|--------|------|------|------|------|------|----------------|---------------|-------|-------|
| 500    | 1600 | 1550 | 1500 | 1500 | 1450 | 1100<br>[1400] | 850<br>[1200] | [850] | [600] |
| 600    | 1440 | 1390 | 1350 | 1350 | 1300 | 990<br>[1260]  | 760<br>[1080] | [760] | [540] |
| 700    | 1310 | 1270 | 1230 | 1230 | 1190 | 900<br>[1150]  | 690<br>[980]  | [690] | [490] |
| 800    | 1200 | 1170 | 1130 | 1130 | 1090 | 830<br>[1050]  | 640<br>[900]  | [640] | [450] |
| 900    | 1110 | 1080 | 1040 | 1040 | 1010 | 760<br>[970]   | 590<br>[830]  | [590] | [410] |
| 1000   | 1040 | 1000 | 970  | 970  | 940  | 710<br>[910]   | 550<br>[780]  | [550] | [390] |
| 1100   | 970  | 940  | 910  | 910  | 880  | 660<br>[850]   | 510<br>[720]  | [510] | [360] |
| 1200   | 910  | 880  | 850  | 850  | 820  | 620<br>[790]   | 480<br>[680]  | [480] | [340] |

[ ] for dual tire models (PN or PSC).

### FSV Mast (PSC)

| A (mm) | 5500 | 6000 |
|--------|------|------|
| 500    | 1200 | 950  |
| 600    | 1080 | 850  |
| 700    | 980  | 780  |
| 800    | 900  | 710  |
| 900    | 830  | 660  |
| 1000   | 780  | 610  |
| 1100   | 720  | 570  |
| 1200   | 680  | 540  |



A: Max. Fork Height  
B: Load Center  
W: Capacity

## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |                               | Dual Tire  |     |                                                 |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|-------------------------------|------------|-----|-------------------------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |                               | Tilt Range |     | Load Capacity at 500 mm LC                      |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |            |     |                                                 |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD |                            |                               | FWD        | BWD | PneumaticTire/<br>Pneumatic-Shaped Cushion Tire |
| mm                                                 | mm                  | mm             | mm                    | mm                          | mm                    | deg                         | deg         | kg  | kg                         | deg                           | deg        | kg  |                                                 |
| Wide Visible Mast (V)                              | 2700                | 1845           | 3330*                 | 3920                        | 145                   | 145                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3000                | 1995           | 3630*                 | 4220                        | 145                   | 145                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3300                | 2145           | 3930*                 | 4520                        | 145                   | 145                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3500                | 2245           | 4130*                 | 4720                        | 145                   | 145                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3700                | 2405           | 4330*                 | 4920                        | 145                   | 145                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 4000                | 2595           | 4630*                 | 5220                        | 145                   | 145                         | 6           | 11  | 1700                       | 1700                          | 7          | 10  | 1700                                            |
|                                                    | 4500                | 2845           | 5130*                 | 5720                        | 145                   | 145                         | 6           | 6   | 1600                       | 1600                          | 7          | 10  | 1600                                            |
|                                                    | 5000                | 3095           | 5630*                 | 6220                        | 145                   | 145                         | 6           | 6   | 1550                       | 1550                          | 7          | 5   | 1550                                            |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 2870**              | 1930           | 3440                  | 4090                        | 1365                  | 715                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3000                | 1995           | 3570                  | 4220                        | 1430                  | 780                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3300                | 2145           | 3870                  | 4520                        | 1580                  | 930                         | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3500                | 2245           | 4070                  | 4720                        | 1680                  | 1030                        | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 3700                | 2405           | 4270                  | 4920                        | 1840                  | 1190                        | 6           | 11  | 1750                       | 1750                          | 7          | 10  | 1750                                            |
|                                                    | 4000                | 2595           | 4570                  | 5220                        | 2030                  | 1380                        | 6           | 11  | 1700                       | 1700                          | 7          | 10  | 1700                                            |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1795           | 4240                  | 4920                        | 1260                  | 580                         | 6           | 6   | 1600                       | 1600                          | 7          | 5   | 1600                                            |
|                                                    | 4000                | 1895           | 4540                  | 5220                        | 1360                  | 680                         | 6           | 6   | 1600                       | 1600                          | 7          | 5   | 1600                                            |
|                                                    | 4300                | 1995           | 4840                  | 5520                        | 1460                  | 780                         | 6           | 6   | 1550                       | 1550                          | 7          | 5   | 1550                                            |
|                                                    | 4500                | 2065           | 5040                  | 5720                        | 1530                  | 850                         | 6           | 6   | 1500                       | 1500                          | 7          | 5   | 1500                                            |
|                                                    | 4700                | 2145           | 5240                  | 5920                        | 1610                  | 930                         | 6           | 6   | 1500                       | 1500                          | 7          | 5   | 1500                                            |
|                                                    | 5000                | 2245           | 5540                  | 6220                        | 1710                  | 1030                        | 6           | 6   | 1450                       | 1450                          | 7          | 5   | 1450                                            |
|                                                    | 5500                | 2405           | 6040                  | 6720                        | 1870                  | 1190                        | 6           | 6   | 1100                       | 1200                          | 7          | 5   | 1400                                            |
|                                                    | 6000                | 2595           | 6540                  | 7220                        | 2060                  | 1380                        | 6           | 6   | 850                        | 950                           | 7          | 5   | 1200                                            |
|                                                    | 6500                | 2845           | 7040                  | 7720                        | 2310                  | 1630                        | —           | —   | —                          | —                             | 7          | 5   | 850                                             |
|                                                    | 7000                | 3095           | 7540                  | 8220                        | 2560                  | 1880                        | —           | —   | —                          | —                             | 7          | 5   | 600                                             |

NOTE: Height of standard load backrest is 1220 mm.

\* with A4 piping, minus 15 mm.

\*\* Set only to a Russian specification.

# 2,000 kg

## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                                  |                           |                      |                      |                 |                   |    |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------------|---------------------------|----------------------|----------------------|-----------------|-------------------|----|
| Characteristics  | 1                      | Manufacturer                                                              |                                  |                           |                      | TOYOTA               | TOYOTA          | 1                 |    |
|                  | 2                      | Model                                                                     |                                  |                           |                      | 32-8FGK20            | 62-8FDK20       | 2                 |    |
|                  | 3                      | Load Capacity                                                             |                                  |                           | kg                   | 2000                 | 2000            | 3                 |    |
|                  | 4                      | Load Center                                                               |                                  |                           | mm                   | 500                  | 500             | 4                 |    |
|                  | 5                      | Power Type                                                                |                                  |                           |                      | Gasoline             | Diesel          | 5                 |    |
|                  | 6                      | Operator Position                                                         |                                  |                           |                      | Rider Seated         | Rider Seated    | 6                 |    |
|                  | 7                      | Tire Type                                                                 | Front/Rear                       |                           | Pneumatic            | Pneumatic            | 7               |                   |    |
|                  | 8                      | Wheels (x = driven)                                                       | Front/Rear                       |                           | 2x/2                 | 2x/2                 | 8               |                   |    |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                                  |                           | mm                   | 3000                 | 3000            | 9                 |    |
|                  | 10                     | Free Lift                                                                 |                                  |                           | mm                   | 125                  | 125             | 10                |    |
|                  | 13                     | Fork Size                                                                 | T x W x L                        | mm                        | 38x120x1070          | 38x120x1070          | 13              |                   |    |
|                  |                        | Fork Spread (Outside)                                                     | MAX./MIN.                        | mm                        | 1020/240             | 1020/240             |                 |                   |    |
|                  | 14                     | Tilt Range                                                                | FWD/BWD                          | deg                       | 7/10                 | 7/10                 | 14              |                   |    |
|                  | 15                     | Length to Fork Face                                                       |                                  |                           | mm                   | 2360                 | 2360            | 15                |    |
|                  | 16                     | Overall Width                                                             |                                  |                           | mm                   | 1155                 | 1155            | 16                |    |
|                  | 17                     | Mast Lowered Height                                                       |                                  |                           | mm                   | 1975                 | 1975            | 17                |    |
|                  | 18                     | Mast Extended Height                                                      |                                  |                           | mm                   | 4220                 | 4220            | 18                |    |
|                  | 19                     | Overhead Guard Height                                                     |                                  |                           | mm                   | 2085                 | 2085            | 19                |    |
|                  | 21                     | Turning Radius (Outside)                                                  |                                  |                           | mm                   | 2040                 | 2040            | 21                |    |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                                  |                           | mm                   | 420 (430) **         | 420 (430) **    | 22                |    |
|                  |                        | Rear Overhang                                                             |                                  |                           | mm                   | 455                  | 455             |                   |    |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                                  |                           | mm                   | 2460                 | 2460            | 23                |    |
|                  | Performance            | 24                                                                        | Speeds                           | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h                 | 17.0/17.0       | 17.0/17.0         | 24 |
|                  |                        | No Load                                                                   |                                  | km/h                      | 17.5/17.5            | 17.5/17.5            |                 |                   |    |
| Lifting          |                        | Full Load                                                                 |                                  | mm/sec                    | 600                  | 580                  | 25              |                   |    |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 640                  | 600                  |                 |                   |    |
| Lowering         |                        | Full Load                                                                 |                                  | mm/sec                    | 500                  | 500                  | 26              |                   |    |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 550                  | 500                  |                 |                   |    |
| 28               |                        | Max. Drawbar Pull                                                         |                                  | Full Load                 | N (kg)               | 19000 (1940)         | 19500 (1990)    | 28                |    |
|                  |                        |                                                                           |                                  | No Load                   | N (kg)               | 7800 (800)           | 7800 (800)      |                   |    |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                                  | Full Load                 | N (kg)               | 17400 (1770)         | 17500 (1780)    |                   |    |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                                  | Full Load                 | % (tanθ)             | 35                   | 34              | 29                |    |
| 30               | Max. Gradeability *    |                                                                           | Full Load                        | % (tanθ)                  | 39                   | 38                   | 30              |                   |    |
|                  |                        |                                                                           | No Load                          | % (tanθ)                  | 20                   | 20                   |                 |                   |    |
|                  | Weight                 | 32                                                                        | Total Weight                     |                           |                      | kg                   | 3110            | 3180              | 32 |
| 33               |                        | Weight<br>Distribution                                                    | Full Load                        | Front                     | kg                   | 4440                 | 4480            | 33                |    |
| Rear             |                        |                                                                           |                                  | kg                        | 670                  | 700                  |                 |                   |    |
| 34               |                        |                                                                           | No Load                          | Front                     | kg                   | 1140                 | 1180            | 34                |    |
| Rear             |                        |                                                                           |                                  | kg                        | 1970                 | 2000                 |                 |                   |    |
| Wheels and Tires | 35                     |                                                                           | Number                           | Front/Rear                |                      | 2/2                  | 2/2             | 35                |    |
|                  | 36                     | Tires                                                                     | Size                             | Front                     |                      | 21x8-9-14PR (I)      | 21x8-9-14PR (I) | 36                |    |
|                  | 37                     |                                                                           |                                  | Rear                      |                      | 18x7-8-10PR (I)      | 18x7-8-10PR (I) | 37                |    |
|                  | 38                     | Wheelbase                                                                 |                                  |                           | mm                   | 1485                 | 1485            | 38                |    |
|                  | 39                     | Tread                                                                     |                                  |                           | Front                | mm                   | 960             | 39                |    |
|                  |                        |                                                                           |                                  |                           | Rear                 | mm                   | 940             |                   |    |
|                  |                        | Backrest Height                                                           |                                  |                           | mm                   | 1220                 | 1220            |                   |    |
|                  |                        | Overhead Guard Clearance                                                  |                                  |                           | mm                   | 1055                 | 1055            |                   |    |
|                  |                        | Counterweight Height                                                      |                                  |                           | mm                   | 1215                 | 1215            |                   |    |
|                  |                        | Drawbar Pin Center Height                                                 |                                  |                           | mm                   | 285                  | 285             |                   |    |
|                  |                        | Step Height/Floor Height                                                  |                                  |                           | mm                   | 380/615              | 380/615         |                   |    |
|                  | 40                     | Underclearance<br>(Full Load)                                             | Min. <Mast>                      |                           | mm                   | 80                   | 80              | 40                |    |
|                  | 41                     |                                                                           | Center of Wheelbase              |                           | mm                   | 105                  | 105             | 41                |    |
|                  |                        | Grade Clearance                                                           | Frame/Counterweight              |                           | % (tanθ)             | 40/38                | 40/38           |                   |    |
|                  | 42                     | Brake                                                                     | Service (Foot)                   |                           |                      | Hydraulic            | Hydraulic       | 42                |    |
|                  | 43                     |                                                                           | Parking                          |                           |                      | Foot                 | Foot            | 43                |    |
|                  | Drive Unit and Control | 45                                                                        | Battery                          |                           | V/AH                 |                      | 12/27           | 12/55             | 45 |
|                  |                        | 49                                                                        | Internal<br>Combustion<br>Engine | Make/Model                |                      |                      | TOYOTA/4Y       | TOYOTA/1DZ-II *** | 49 |
| 50               |                        | Rated Power/r.p.m.                                                        |                                  | kW (JIS ps)               | 40/2400 (54/2400)    | 40/2400 (55/2400)    | 50              |                   |    |
| 51               |                        | Rated Torque/r.p.m.                                                       |                                  | N-m (JIS kg-m)            | 162/1800 (16.5/1800) | 167/1600 (17.0/1600) | 51              |                   |    |
|                  |                        | Number of Cylinder                                                        |                                  |                           | 4                    | 4                    |                 |                   |    |
| 52               |                        | Piston Displacement                                                       |                                  | cc                        | 2237                 | 2486                 | 52              |                   |    |
|                  |                        | Fuel Tank Capacity                                                        |                                  | liter                     | 55                   | 55                   |                 |                   |    |
| 55               |                        | Transmission                                                              |                                  | Type                      |                      | Powershift           | Powershift      |                   |    |
|                  |                        | Stage                                                                     | FWD/RVS                          |                           | 1/1                  | 1/1                  | 55              |                   |    |
| 57               | Operating Pressure     | For Attachments                                                           |                                  | Mpa (kg/cm²)              | 15.7 (160)           | 15.7 (160)           | 57              |                   |    |

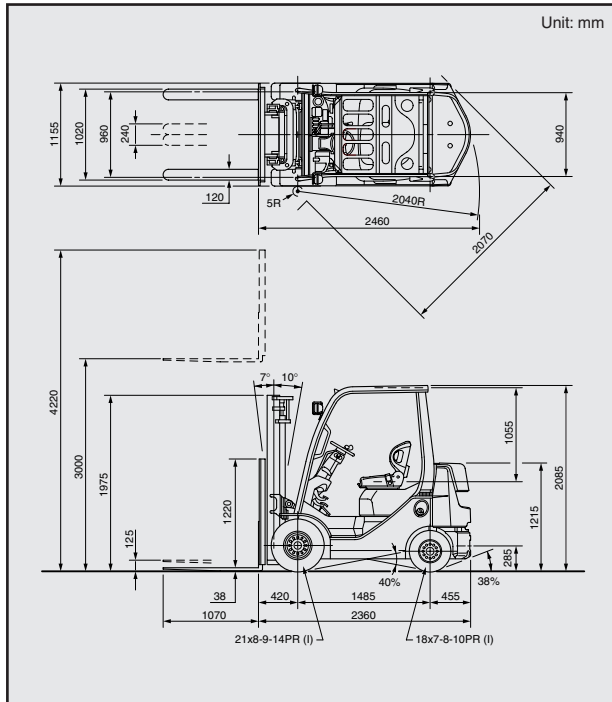
NOTE: \* Computed values.

\*\* Number shown in ( ) is when the forkbar width is other than 1020 mm.

\*\*\*1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## UNDERCLEARANCE mm

|                                      |     |
|--------------------------------------|-----|
| Mast (Full Load).....                | 80  |
| Drive Axle (Full Load).....          | 85  |
| Steer Axle (No Load).....            | 130 |
| Center of Wheelbase (Full Load)..... | 105 |
| Counterweight (No Load).....         | 125 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4000 | 4500 | 5000 |
|--------|------|------|------|
| 500    | 2000 | 1950 | 1850 |
| 600    | 1800 | 1760 | 1670 |
| 700    | 1640 | 1600 | 1520 |
| 800    | 1510 | 1470 | 1400 |
| 900    | 1400 | 1360 | 1290 |
| 1000   | 1300 | 1270 | 1200 |
| 1100   | 1220 | 1190 | 1120 |
| 1200   | 1140 | 1110 | 1060 |

### V, FV Mast (PSC)

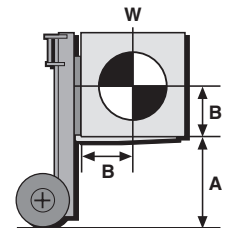
| A (mm) | 4000 | 4500 | 5000 |
|--------|------|------|------|
| 500    | 2000 | 2000 | 2000 |
| 600    | 1800 | 1800 | 1800 |
| 700    | 1640 | 1640 | 1640 |
| 800    | 1510 | 1510 | 1510 |
| 900    | 1400 | 1400 | 1400 |
| 1000   | 1300 | 1300 | 1300 |
| 1100   | 1220 | 1220 | 1220 |
| 1200   | 1140 | 1140 | 1140 |

### FSV Mast (PN)

| A (mm) | 3700 | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|------|------|------|------|
| 500    | 2000 | 1950 | 1900 | 1850 | 1850 | 1450 | 1200 | 850  |
| 600    | 1810 | 1760 | 1720 | 1670 | 1670 | 1310 | 1080 | 760  |
| 700    | 1650 | 1610 | 1570 | 1530 | 1530 | 1200 | 990  | 700  |
| 800    | 1520 | 1480 | 1440 | 1400 | 1400 | 1100 | 910  | 640  |
| 900    | 1410 | 1370 | 1340 | 1300 | 1300 | 1020 | 840  | 600  |
| 1000   | 1310 | 1280 | 1240 | 1210 | 1210 | 950  | 780  | 550  |
| 1100   | 1230 | 1200 | 1160 | 1130 | 1130 | 890  | 730  | 520  |
| 1200   | 1150 | 1120 | 1090 | 1060 | 1060 | 830  | 690  | 490  |

### FSV Mast (PSC)

| A (mm) | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|
| 500    | 2000 | 1600 | 1350 | 1000 |
| 600    | 1810 | 1440 | 1220 | 900  |
| 700    | 1650 | 1320 | 1110 | 820  |
| 800    | 1520 | 1210 | 1020 | 760  |
| 900    | 1410 | 1120 | 950  | 700  |
| 1000   | 1310 | 1050 | 880  | 650  |
| 1100   | 1230 | 980  | 830  | 610  |
| 1200   | 1150 | 920  | 780  | 570  |



A: Max. Fork Height  
B: Load Center  
W: Capacity

## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |      |                            |                               |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|------|----------------------------|-------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |      | Load Capacity at 500 mm LC |                               |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |      |                            |                               |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD  | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg  | kg                         | kg                            |
| Wide Visible Mast (V)                              | 2700                | 1825           | 3375                  | 3920                        | 120                   | 120                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3000                | 1975           | 3675                  | 4220                        | 120                   | 120                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3300                | 2125           | 3975                  | 4520                        | 120                   | 120                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3500                | 2225           | 4175                  | 4720                        | 120                   | 120                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3700                | 2385           | 4375                  | 4920                        | 120                   | 120                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 4000                | 2575           | 4675                  | 5220                        | 120                   | 120                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 4500                | 2825           | 5175                  | 5720                        | 120                   | 120                         | 7           | 5    | 1950                       | 2000                          |
|                                                    | 5000                | 3075           | 5675                  | 6220                        | 120                   | 120                         | 7           | 5    | 1850                       | 2000                          |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 1975           | 3610                  | 4220                        | 1365                  | 760                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3300                | 2125           | 3910                  | 4520                        | 1515                  | 910                         | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3500                | 2225           | 4110                  | 4720                        | 1615                  | 1010                        | 7           | 10   | 2000                       | 2000                          |
|                                                    | 3700                | 2385           | 4310                  | 4920                        | 1775                  | 1170                        | 7           | 10   | 2000                       | 2000                          |
| 4000                                               | 2575                | 4610           | 5220                  | 1965                        | 1360                  | 7                           | 10          | 2000 | 2000                       |                               |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1775           | 4350                  | 4920                        | 1125                  | 560                         | 7           | 5    | 2000                       | 2000                          |
|                                                    | 4000                | 1875           | 4650                  | 5220                        | 1225                  | 660                         | 7           | 5    | 1950                       | 2000                          |
|                                                    | 4300                | 1975           | 4950                  | 5520                        | 1325                  | 760                         | 7           | 5    | 1900                       | 2000                          |
|                                                    | 4500                | 2045           | 5150                  | 5720                        | 1395                  | 830                         | 7           | 5    | 1850                       | 2000                          |
|                                                    | 4700                | 2125           | 5350                  | 5920                        | 1475                  | 910                         | 7           | 5    | 1850                       | 2000                          |
|                                                    | 5000                | 2225           | 5650                  | 6220                        | 1575                  | 1010                        | 7           | 5    | 1450                       | 1600                          |
|                                                    | 5500                | 2385           | 6150                  | 6720                        | 1735                  | 1170                        | 7           | 5    | 1200                       | 1350                          |
|                                                    | 6000                | 2575           | 6650                  | 7220                        | 1925                  | 1360                        | 7           | 5    | 850                        | 1000                          |

NOTE: Height of standard load backrest is 1220 mm.

# 2,000 kg

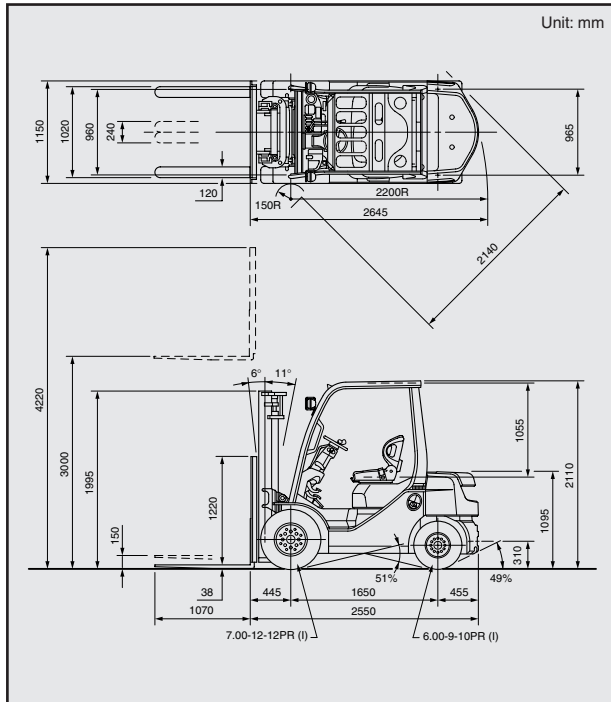
## MAIN VEHICLE SPECIFICATIONS

| Characteristics        | 1                  | Manufacturer                                                              |                                  |                                    |                           | TOYOTA           |                                     | TOYOTA           |                             | TOYOTA           |                | 1         |    |
|------------------------|--------------------|---------------------------------------------------------------------------|----------------------------------|------------------------------------|---------------------------|------------------|-------------------------------------|------------------|-----------------------------|------------------|----------------|-----------|----|
|                        | 2                  | Model                                                                     |                                  |                                    |                           | 30-8FG20         | 32-8FG20                            | 60-8FD20         | 62-8FD20                    | 70-8FD20         | 72-8FD20       | 2         |    |
|                        | 3                  | Load Capacity                                                             |                                  |                                    | kg                        | 2000             |                                     | 2000             |                             | 2000             |                | 3         |    |
|                        | 4                  | Load Center                                                               |                                  |                                    | mm                        | 500              |                                     | 500              |                             | 500              |                | 4         |    |
|                        | 5                  | Power Type                                                                |                                  |                                    |                           | Gasoline         |                                     | Diesel           |                             | Diesel           |                | 5         |    |
|                        | 6                  | Operator Position                                                         |                                  |                                    |                           | Rider Seated     |                                     | Rider Seated     |                             | Rider Seated     |                | 6         |    |
|                        | 7                  | Tire Type                                                                 |                                  | Front/Rear                         |                           | Pneumatic        |                                     | Pneumatic        |                             | Pneumatic        |                | 7         |    |
|                        | 8                  | Wheels (x = driven)                                                       |                                  | Front/Rear                         |                           | 2x/2             |                                     | 2x/2             |                             | 2x/2             |                | 8         |    |
| Dimensions             | 9                  | Maximum Fork Height (MFH)                                                 |                                  |                                    | mm                        | 3000             |                                     | 3000             |                             | 3000             |                | 9         |    |
|                        | 10                 | Free Lift                                                                 |                                  |                                    | mm                        | 150              |                                     | 150              |                             | 150              |                | 10        |    |
|                        | 13                 | Fork Size                                                                 |                                  | T x W x L                          | mm                        | 38x120x1070      |                                     | 38x120x1070      |                             | 38x120x1070      |                | 13        |    |
|                        |                    | Fork Spread (Outside)                                                     |                                  | MAX./MIN.                          | mm                        | 1020/240         |                                     | 1020/240         |                             | 1020/240         |                |           |    |
|                        | 14                 | Tilt Range                                                                |                                  | FWD/BWD                            | deg                       | 6/11             |                                     | 6/11             |                             | 6/11             |                | 14        |    |
|                        | 15                 | Length to Fork Face                                                       |                                  |                                    | mm                        | 2550             |                                     | 2550             |                             | 2550             |                | 15        |    |
|                        | 16                 | Overall Width                                                             |                                  |                                    | mm                        | 1150             |                                     | 1150             |                             | 1150             |                | 16        |    |
|                        | 17                 | Mast Lowered Height                                                       |                                  |                                    | mm                        | 1995             |                                     | 1995             |                             | 1995             |                | 17        |    |
|                        | 18                 | Mast Extended Height                                                      |                                  |                                    | mm                        | 4220             |                                     | 4220             |                             | 4220             |                | 18        |    |
|                        | 19                 | Overhead Guard Height                                                     |                                  |                                    | mm                        | 2110             |                                     | 2110             |                             | 2110             |                | 19        |    |
|                        | 21                 | Turning Radius (Outside)                                                  |                                  |                                    | mm                        | 2200             |                                     | 2200             |                             | 2200             |                | 21        |    |
|                        | 22                 | Load Distance<br>(Centerline of front axle to front face of forks)        |                                  |                                    | mm                        | 445 (455) **     |                                     | 445 (455) **     |                             | 445 (455) **     |                | 22        |    |
|                        |                    | Rear Overhang                                                             |                                  |                                    | mm                        | 455              |                                     | 455              |                             | 455              |                |           |    |
|                        | 23                 | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                                  |                                    | mm                        | 2645             |                                     | 2645             |                             | 2645             |                | 23        |    |
|                        | Performance        | 24                                                                        | Speeds                           | Travel, Max.<br>(FWD/RVS)          | Full Load                 | km/h             | 18.0/18.0                           | 17.5/17.5        | 19.5/19.5                   | 19.0/19.0        | 19.0/19.0      | 19.0/19.0 | 24 |
|                        |                    | No Load                                                                   |                                  | km/h                               | 18.5/18.5                 | 18.0/18.0        | 20.0/20.0                           | 19.5/19.5        | 19.5/19.5                   | 19.5/19.5        |                |           |    |
| 25                     |                    | Lifting                                                                   |                                  | Full Load                          | mm/sec                    | 600              | 600                                 | 615              | 615                         | 650              | 650            | 25        |    |
|                        |                    |                                                                           |                                  | No Load                            | mm/sec                    | 640              | 640                                 | 655              | 655                         | 675              | 675            |           |    |
| 26                     |                    | Lowering                                                                  |                                  | Full Load                          | mm/sec                    | 500              | 500                                 | 500              | 500                         | 500              | 500            | 26        |    |
|                        |                    |                                                                           |                                  | No Load                            | mm/sec                    | 500              | 550                                 | 500              | 500                         | 500              | 500            |           |    |
| 28                     |                    | Max. Drawbar Pull                                                         |                                  | Full Load                          | N (kg)                    | 16500 (1680)     | 18700 (1910)                        | 17500 (1780)     | 18600 (1900)                | 19500 (1990)     | 20000 (2040)   | 28        |    |
|                        |                    | Max. Drawbar Pull at 1.5km/h *                                            |                                  | No Load                            | N (kg)                    | 9000 (920)       | 9000 (920)                          | 9100 (930)       | 9100 (930)                  | 9200 (940)       | 9200 (940)     |           |    |
| 29                     |                    | Gradeability at 1.5 km/h *                                                |                                  | Full Load                          | N (kg)                    | —                | 17200 (1750)                        | —                | 16900 (1720)                | —                | 17500 (1780)   | 29        |    |
| 30                     |                    | Max. Gradeability *                                                       |                                  | Full Load                          | % (tanθ)                  | —                | 37                                  | —                | 32                          | —                | 34             | 30        |    |
|                        |                    |                                                                           | No Load                          | % (tanθ)                           | 33                        | 41               | 33                                  | 36               | 38                          | 38               |                |           |    |
| Weight                 | 32                 | Total Weight                                                              |                                  |                                    | kg                        | 3250             |                                     | 3290             |                             | 3340             |                | 32        |    |
|                        | 33                 | Weight<br>Distribution                                                    | Full Load                        | Front                              | kg                        | 4580             |                                     | 4600             |                             | 4620             |                | 33        |    |
|                        | Rear               |                                                                           |                                  | kg                                 | 670                       |                  | 690                                 |                  | 720                         |                  |                |           |    |
|                        | 34                 |                                                                           | No Load                          | Front                              | kg                        | 1410             |                                     | 1430             |                             | 1450             |                | 34        |    |
|                        | Rear               |                                                                           |                                  | kg                                 | 1840                      |                  | 1860                                |                  | 1890                        |                  |                |           |    |
|                        | 35                 | Tires                                                                     | Number                           | Front/Rear                         |                           | 2/2              |                                     | 2/2              |                             | 2/2              |                | 35        |    |
|                        | 36                 |                                                                           | Size                             | Front                              |                           | 7.00-12-12PR (I) |                                     | 7.00-12-12PR (I) |                             | 7.00-12-12PR (I) |                | 36        |    |
|                        | 37                 |                                                                           | Rear                             |                                    | 6.00-9-10PR (I)           |                  | 6.00-9-10PR (I)                     |                  | 6.00-9-10PR (I)             |                  | 37             |           |    |
|                        | Wheels and Tires   | 38                                                                        | Wheelbase                        |                                    |                           | mm               | 1650                                |                  | 1650                        |                  | 1650           |           | 38 |
|                        |                    | 39                                                                        | Tread                            |                                    | Front                     | mm               | 960                                 |                  | 960                         |                  | 960            |           | 39 |
|                        |                    |                                                                           | Rear                             | mm                                 | 965                       |                  | 965                                 |                  | 965                         |                  |                |           |    |
|                        |                    | Backrest Height                                                           |                                  |                                    | mm                        | 1220             |                                     | 1220             |                             | 1220             |                |           |    |
|                        |                    | Overhead Guard Clearance                                                  |                                  |                                    | mm                        | 1055             |                                     | 1055             |                             | 1055             |                |           |    |
|                        |                    | Counterweight Height                                                      |                                  |                                    | mm                        | 1095             |                                     | 1095             |                             | 1095             |                |           |    |
|                        |                    | Drawbar Pin Center Height                                                 |                                  |                                    | mm                        | 310              |                                     | 310              |                             | 310              |                |           |    |
|                        |                    | Step Height/Floor Height                                                  |                                  |                                    | mm                        | 435/675          |                                     | 435/675          |                             | 435/675          |                |           |    |
| 40                     |                    | Underclearance<br>(Full Load)                                             |                                  | Min. <Mast><br>Center of Wheelbase | mm                        | 95               |                                     | 95               |                             | 95               |                | 40        |    |
| 41                     |                    |                                                                           |                                  |                                    | mm                        | 140              |                                     | 140              |                             | 140              |                | 41        |    |
|                        |                    | Grade Clearance                                                           |                                  | Frame/Counterweight                | % (tanθ)                  | 51/49            |                                     | 51/49            |                             | 51/49            |                |           |    |
| 42                     |                    | Brake                                                                     |                                  | Service (Foot)                     | Hydraulic                 |                  | Hydraulic                           |                  | Hydraulic                   |                  | 42             |           |    |
| 43                     |                    |                                                                           |                                  | Parking                            |                           | Hand             | Foot                                | Hand             | Foot                        | Hand             | Foot           | 43        |    |
| Drive Unit and Control |                    | 45                                                                        | Battery                          |                                    | Voltage/Capacity (5HR)    | V/AH             | 12/27                               |                  | 12/55                       |                  | 12/64          |           | 45 |
|                        |                    | 49                                                                        | Internal<br>Combustion<br>Engine | Make/Model                         |                           |                  | TOYOTA/4Y                           |                  | TOYOTA/1DZ-II [1DZ-III] *** |                  | TOYOTA/2Z **** |           | 49 |
|                        | 50                 | Rated Power/r.p.m.                                                        |                                  | kW (JIS ps)                        | 40/2400 (54/2400)         |                  | 44 (60) /2600 [41 (55) /2500]       |                  | 49/2200 (66/2200)           |                  | 50             |           |    |
|                        | 51                 | Rated Torque/r.p.m.                                                       |                                  | N-m (JIS kg-m)                     | 162/1800 (16.5/1800)      |                  | 167 (17.0) /1600 [157 (16.0) /2500] |                  | 216/1600 (22.0/1600)        |                  | 51             |           |    |
|                        | 52                 | Number of Cylinder                                                        |                                  |                                    | 4                         |                  | 4                                   |                  | 4                           |                  | 52             |           |    |
|                        |                    | Piston Displacement                                                       |                                  | cc                                 | 2237                      |                  | 2486                                |                  | 3469                        |                  |                |           |    |
|                        |                    | Fuel Tank Capacity                                                        |                                  | liter                              | 60                        |                  | 60                                  |                  | 60                          |                  |                |           |    |
|                        | 55                 | Transmission                                                              |                                  | Type                               |                           | Manual           | Powershift                          | Manual           | Powershift                  | Manual           | Powershift     | 55        |    |
|                        |                    |                                                                           | Stage                            | FWD/RVS                            | 2/2                       | 1/1              | 2/2                                 | 1/1              | 2/2                         | 1/1              |                |           |    |
| 57                     | Operating Pressure | For Attachments                                                           |                                  |                                    | Mpa (kg/cm <sup>2</sup> ) | 15.7 (160)       |                                     | 15.7 (160)       |                             | 15.7 (160)       |                | 57        |    |

NOTE: \* Computed values.  
 \*\* Number shown in ( ) is when the forkbar width is other than 1020 mm.  
 \*\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).  
 1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).  
 \*\*\*\* 2Z: Non-road Mobile Machinery (97/68/EC; Stage II).

The data in this publication was determined based on our standard testing condition.  
 Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Single           | Dual            | Dual             |
|------------------------|------------------|-----------------|------------------|
| Front Tire Size        | 7.00-12-12PR (I) | 5.50-15-8PR (I) | 7.00-12-12PR (I) |
| Overall Width          | mm               | 1150            | 1450             |
| Tread, Front           | mm               | 960             | 1105             |
|                        |                  |                 | 1190             |

## UNDERCLEARANCE mm

|                                 |     |
|---------------------------------|-----|
| Mast (Full Load)                | 95  |
| Drive Axle (Full Load)          | 130 |
| Steer Axle (No Load)            | 160 |
| Center of Wheelbase (Full Load) | 140 |
| Counterweight (No Load)         | 150 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4000 | 4500 | 5000           |
|--------|------|------|----------------|
| 500    | 2000 | 1950 | 1850<br>[1900] |
| 600    | 1810 | 1760 | 1670<br>[1710] |
| 700    | 1650 | 1610 | 1520<br>[1570] |
| 800    | 1520 | 1480 | 1400<br>[1440] |
| B (mm) | 1400 | 1370 | 1300<br>[1330] |
| 1000   | 1310 | 1270 | 1210<br>[1240] |
| 1100   | 1220 | 1190 | 1130<br>[1160] |
| 1200   | 1150 | 1120 | 1060<br>[1090] |
| 1300   | 1080 | 1060 | 1000<br>[1030] |

### V, FV Mast (PSC)

| A (mm) | 4500 | 5000 |
|--------|------|------|
| 500    | 1950 | 1900 |
| 600    | 1760 | 1710 |
| 700    | 1610 | 1570 |
| 800    | 1480 | 1440 |
| B (mm) | 1370 | 1330 |
| 1000   | 1270 | 1240 |
| 1100   | 1190 | 1160 |
| 1200   | 1120 | 1090 |
| 1300   | 1060 | 1030 |

[ ] for dual tire models.

### FSV Mast (PN)

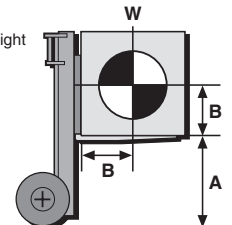
| A (mm) | 3700 | 4000 | 4300           | 4500           | 4700           | 5000           | 5500           | 6000          | 6500        | 7000        |
|--------|------|------|----------------|----------------|----------------|----------------|----------------|---------------|-------------|-------------|
| 500    | 2000 | 1950 | 1900<br>[1950] | 1850<br>[1900] | 1850<br>[1850] | 1450<br>[1850] | 1200<br>[1800] | 850<br>[1600] | —<br>[1550] | —<br>[1200] |
| 600    | 1810 | 1760 | 1720<br>[1760] | 1670<br>[1720] | 1670<br>[1670] | 1310<br>[1670] | 1080<br>[1630] | 770<br>[1450] | —<br>[1400] | —<br>[1080] |
| 700    | 1650 | 1610 | 1570<br>[1610] | 1530<br>[1570] | 1530<br>[1530] | 1200<br>[1530] | 990<br>[1490]  | 700<br>[1320] | —<br>[1280] | —<br>[990]  |
| 800    | 1520 | 1490 | 1450<br>[1490] | 1410<br>[1450] | 1410<br>[1410] | 1100<br>[1370] | 850<br>[1270]  | 650<br>[1220] | —<br>[1180] | —<br>[910]  |
| B (mm) | 1410 | 1380 | 1340<br>[1380] | 1310<br>[1340] | 1310<br>[1310] | 1020<br>[1270] | 850<br>[1270]  | 600<br>[1130] | —<br>[1090] | —<br>[850]  |
| 1000   | 1320 | 1280 | 1250<br>[1280] | 1220<br>[1250] | 1220<br>[1220] | 950<br>[1180]  | 790<br>[1050]  | 560<br>[1020] | —<br>[790]  | —           |
| 1100   | 1230 | 1200 | 1170<br>[1200] | 1140<br>[1170] | 1140<br>[1140] | 890<br>[1110]  | 740<br>[990]   | 520<br>[950]  | —<br>[950]  | —<br>[740]  |
| 1200   | 1160 | 1130 | 1100<br>[1130] | 1070<br>[1100] | 1070<br>[1070] | 840<br>[1040]  | 690<br>[930]   | 490<br>[930]  | —<br>[900]  | —<br>[690]  |
| 1300   | 1090 | 1070 | 1040<br>[1070] | 1010<br>[1040] | 1010<br>[1010] | 790<br>[980]   | 650<br>[870]   | 460<br>[850]  | —<br>[850]  | —<br>[650]  |

[ ] for dual tire models (PN or PSC).

### FSV Mast (PSC)

| A (mm) | 5000 | 5500 | 6000 |
|--------|------|------|------|
| 500    | 1600 | 1350 | 1000 |
| 600    | 1450 | 1220 | 900  |
| 700    | 1320 | 1120 | 820  |
| 800    | 1220 | 1030 | 760  |
| 900    | 1130 | 950  | 700  |
| 1000   | 1050 | 890  | 660  |
| 1100   | 990  | 830  | 610  |
| 1200   | 930  | 780  | 580  |
| 1300   | 870  | 740  | 540  |

A: Max. Fork Height  
B: Load Center  
W: Capacity



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |      | Dual Tire  |     |                            |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|------|------------|-----|----------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |      | Tilt Range |     | Load Capacity at 500 mm LC |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     |                            |      |            |     |                            |
|                                                    |                     |                |                       |                             |                       |                             |             |     | FWD                        | BWD  |            |     | FWD                        |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg | kg                         | kg   | deg        | deg | kg                         |
| Wide Visible Mast (V)                              | 2700                | 1845           | 3370*                 | 3920                        | 145                   | 145                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3000                | 1995           | 3670*                 | 4220                        | 145                   | 145                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3300                | 2145           | 3970*                 | 4520                        | 145                   | 145                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3500                | 2245           | 4170*                 | 4720                        | 145                   | 145                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3700                | 2405           | 4370*                 | 4920                        | 145                   | 145                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 4000                | 2595           | 4670*                 | 5220                        | 145                   | 145                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 4500                | 2845           | 5170*                 | 5720                        | 145                   | 145                         | 6           | 6   | 1950                       | 1950 | 6          | 11  | 1950                       |
|                                                    | 5000                | 3095           | 5670*                 | 6220                        | 145                   | 145                         | 6           | 6   | 1850                       | 1900 | 6          | 6   | 1900                       |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 1995           | 3605                  | 4220                        | 1390                  | 775                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3300                | 2145           | 3905                  | 4520                        | 1540                  | 925                         | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3500                | 2245           | 4105                  | 4720                        | 1640                  | 1025                        | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 3700                | 2405           | 4305                  | 4920                        | 1800                  | 1185                        | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
|                                                    | 4000                | 2595           | 4605                  | 5220                        | 1990                  | 1375                        | 6           | 11  | 2000                       | 2000 | 6          | 11  | 2000                       |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1795           | 4265                  | 4920                        | 1230                  | 575                         | 6           | 6   | 2000                       | 2000 | 6          | 6   | 2000                       |
|                                                    | 4000                | 1895           | 4565                  | 5220                        | 1330                  | 675                         | 6           | 6   | 1950                       | 1950 | 6          | 6   | 1950                       |
|                                                    | 4300                | 1995           | 4865                  | 5520                        | 1430                  | 775                         | 6           | 6   | 1900                       | 1900 | 6          | 6   | 1950                       |
|                                                    | 4500                | 2065           | 5065                  | 5720                        | 1500                  | 845                         | 6           | 6   | 1850                       | 1850 | 6          | 6   | 1900                       |
|                                                    | 4700                | 2145           | 5265                  | 5920                        | 1580                  | 925                         | 6           | 6   | 1850                       | 1850 | 6          | 6   | 1900                       |
|                                                    | 5000                | 2245           | 5565                  | 6220                        | 1680                  | 1025                        | 6           | 6   | 1450                       | 1600 | 6          | 6   | 1850                       |
|                                                    | 5500                | 2405           | 6065                  | 6720                        | 1840                  | 1185                        | 6           | 6   | 1200                       | 1350 | 6          | 6   | 1800                       |
|                                                    | 6000                | 2595           | 6565                  | 7220                        | 2030                  | 1375                        | 6           | 6   | 850                        | 1000 | 6          | 6   | 1600                       |
|                                                    | 6500                | 2845           | 7065                  | 7720                        | 2280                  | 1625                        | —           | —   | —                          | —    | 6          | 6   | 1550                       |
|                                                    | 7000                | 3095           | 7565                  | 8220                        | 2530                  | 1875                        | —           | —   | —                          | —    | 6          | 6   | 1200                       |

NOTE: Height of standard load backrest is 1220 mm.  
\* with A4 piping, minus 15 mm.

# 2,500 kg

## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                                  |                           |                      |                      |                 |                   |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------------|---------------------------|----------------------|----------------------|-----------------|-------------------|
| Characteristics  | 1                      | Manufacturer                                                              |                                  |                           |                      | TOYOTA               | TOYOTA          | 1                 |
|                  | 2                      | Model                                                                     |                                  |                           |                      | 32-8FGK25            | 62-8FDK25       | 2                 |
|                  | 3                      | Load Capacity                                                             |                                  |                           | kg                   | 2500                 | 2500            | 3                 |
|                  | 4                      | Load Center                                                               |                                  |                           | mm                   | 500                  | 500             | 4                 |
|                  | 5                      | Power Type                                                                |                                  |                           |                      | Gasoline             | Diesel          | 5                 |
|                  | 6                      | Operator Position                                                         |                                  |                           |                      | Rider Seated         | Rider Seated    | 6                 |
|                  | 7                      | Tire Type                                                                 | Front/Rear                       |                           |                      | Pneumatic            | Pneumatic       | 7                 |
|                  | 8                      | Wheels (x = driven)                                                       | Front/Rear                       |                           |                      | 2x/2                 | 2x/2            | 8                 |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                                  |                           | mm                   | 3000                 | 3000            | 9                 |
|                  | 10                     | Free Lift                                                                 |                                  |                           | mm                   | 130                  | 130             | 10                |
|                  | 13                     | Fork Size                                                                 | T x W x L                        | mm                        |                      | 42x120x1070          | 42x120x1070     | 13                |
|                  |                        | Fork Spread (Outside)                                                     | MAX./MIN.                        | mm                        |                      | 1020/240             | 1020/240        |                   |
|                  | 14                     | Tilt Range                                                                | FWD/BWD                          | deg                       |                      | 7/10                 | 7/10            | 14                |
|                  | 15                     | Length to Fork Face                                                       |                                  |                           | mm                   | 2420                 | 2420            | 15                |
|                  | 16                     | Overall Width                                                             |                                  |                           | mm                   | 1155                 | 1155            | 16                |
|                  | 17                     | Mast Lowered Height                                                       |                                  |                           | mm                   | 1975                 | 1975            | 17                |
|                  | 18                     | Mast Extended Height                                                      |                                  |                           | mm                   | 4220                 | 4220            | 18                |
|                  | 19                     | Overhead Guard Height                                                     |                                  |                           | mm                   | 2085                 | 2085            | 19                |
|                  | 21                     | Turning Radius (Outside)                                                  |                                  |                           | mm                   | 2090                 | 2090            | 21                |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                                  |                           | mm                   | 425 (430) **         | 425 (430) **    | 22                |
|                  |                        | Rear Overhang                                                             |                                  |                           | mm                   | 510                  | 510             |                   |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                                  |                           | mm                   | 2515                 | 2515            | 23                |
|                  | Performance            | 24                                                                        | Speeds                           | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h                 | 17.0/17.0       | 17.0/17.0         |
|                  |                        | No Load                                                                   |                                  | km/h                      | 17.5/17.5            | 17.5/17.5            |                 |                   |
| Lifting          |                        | Full Load                                                                 |                                  | mm/sec                    | 600                  | 580                  | 25              |                   |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 640                  | 600                  |                 |                   |
| Lowering         |                        | Full Load                                                                 |                                  | mm/sec                    | 500                  | 500                  | 26              |                   |
|                  |                        | No Load                                                                   |                                  | mm/sec                    | 500                  | 500                  |                 |                   |
| 28               |                        | Max. Drawbar Pull                                                         |                                  | Full Load                 | N (kg)               | 18800 (1920)         | 19500 (1990)    | 28                |
|                  |                        |                                                                           |                                  | No Load                   | N (kg)               | 6800 (690)           | 7300 (740)      |                   |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                                  | Full Load                 | N (kg)               | 17200 (1750)         | 17500 (1780)    |                   |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                                  | Full Load                 | % (tanθ)             | 29                   | 28              | 29                |
| 30               | Max. Gradeability *    |                                                                           | Full Load                        | % (tanθ)                  | 32                   | 32                   | 30              |                   |
|                  |                        |                                                                           | No Load                          | % (tanθ)                  | 16                   | 16                   |                 |                   |
|                  | Weight                 | 32                                                                        | Total Weight                     |                           |                      | kg                   | 3550            | 3610              |
| 33               |                        | Weight<br>Distribution                                                    | Full Load                        | Front                     | kg                   | 5240                 | 5230            | 33                |
| Rear             |                        |                                                                           |                                  | kg                        | 810                  | 880                  |                 |                   |
| 34               |                        |                                                                           | No Load                          | Front                     | kg                   | 1100                 | 1090            | 34                |
| Rear             |                        |                                                                           |                                  | kg                        | 2450                 | 2520                 |                 |                   |
| Wheels and Tires |                        | 35                                                                        | Tires                            | Number                    | Front/Rear           |                      | 2/2             | 2/2               |
|                  | 36                     | Size                                                                      |                                  | Front                     |                      | 21x8-9-14PR (I)      | 21x8-9-14PR (I) | 36                |
|                  | 37                     |                                                                           |                                  | Rear                      |                      | 18x7-8-10PR (I)      | 18x7-8-10PR (I) | 37                |
|                  | 38                     | Wheelbase                                                                 |                                  |                           | mm                   | 1485                 | 1485            | 38                |
|                  | 39                     | Tread                                                                     |                                  | Front                     | mm                   | 960                  | 960             | 39                |
|                  |                        |                                                                           |                                  | Rear                      | mm                   | 940                  | 940             |                   |
|                  |                        | Backrest Height                                                           |                                  |                           | mm                   | 1220                 | 1220            |                   |
|                  |                        | Overhead Guard Clearance                                                  |                                  |                           | mm                   | 1055                 | 1055            |                   |
|                  |                        | Counterweight Height                                                      |                                  |                           | mm                   | 1215                 | 1215            |                   |
|                  |                        | Drawbar Pin Center Height                                                 |                                  |                           | mm                   | 285                  | 285             |                   |
|                  |                        | Step Height/Floor Height                                                  |                                  |                           | mm                   | 380/615              | 380/615         |                   |
|                  | 40                     | Underclearance<br>(Full Load)                                             | Min. <Mast>                      |                           | mm                   | 80                   | 80              | 40                |
|                  | Center of Wheelbase    |                                                                           | mm                               | 105                       | 105                  | 41                   |                 |                   |
|                  |                        | Grade Clearance                                                           | Frame/Counterweight              |                           | % (tanθ)             | 40/35                | 40/35           |                   |
|                  | 42                     | Brake                                                                     | Service (Foot)                   |                           |                      | Hydraulic            | Hydraulic       | 42                |
|                  | 43                     |                                                                           | Parking                          |                           |                      | Foot                 | Foot            | 43                |
|                  | Drive Unit and Control | 45                                                                        | Battery                          |                           | V/AH                 | 12/27                | 12/55           | 45                |
|                  |                        | 49                                                                        | Internal<br>Combustion<br>Engine | Make/Model                |                      |                      | TOYOTA/4Y       | TOYOTA/1DZ-II *** |
| 50               |                        | Rated Power/r.p.m.                                                        |                                  | kW (JIS ps)               | 40/2400 (54/2400)    | 40/2400 (55/2400)    | 50              |                   |
| 51               |                        | Rated Torque/r.p.m.                                                       |                                  | N-m (JIS kg-m)            | 162/1800 (16.5/1800) | 167/1600 (17.0/1600) | 51              |                   |
|                  |                        | Number of Cylinder                                                        |                                  |                           | 4                    | 4                    |                 |                   |
| 52               |                        | Piston Displacement                                                       |                                  | cc                        | 2237                 | 2486                 | 52              |                   |
|                  |                        | Fuel Tank Capacity                                                        |                                  | liter                     | 55                   | 55                   |                 |                   |
| 55               |                        | Transmission                                                              | Type                             |                           |                      | Powershift           | Powershift      |                   |
|                  | Stage                  |                                                                           | FWD/RVS                          |                           | 1/1                  | 1/1                  | 55              |                   |
|                  | 57                     | Operating Pressure                                                        | For Attachments                  | Mpa (kg/cm²)              | 15.7 (160)           | 15.7 (160)           | 57              |                   |

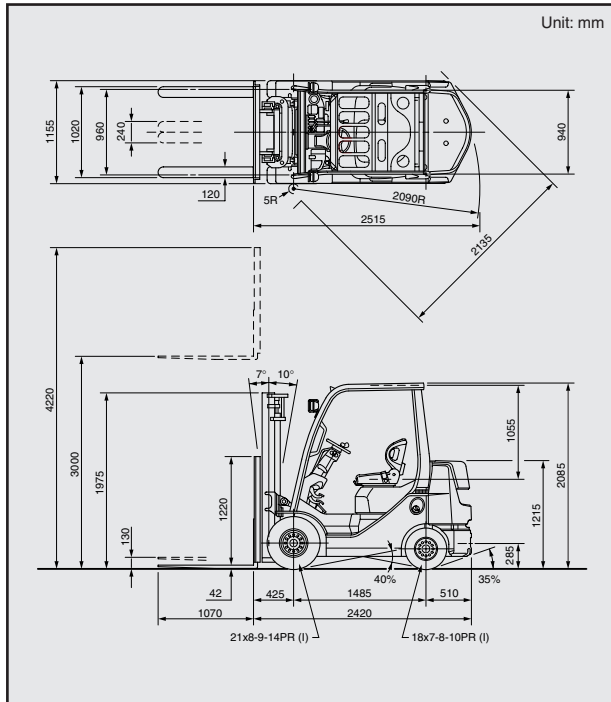
NOTE: \* Computed values.

\*\* Number shown in ( ) is when the forkbar width is other than 1020 mm.

\*\*\*1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## UNDERCLEARANCE mm

|                                      |     |
|--------------------------------------|-----|
| Mast (Full Load).....                | 80  |
| Drive Axle (Full Load).....          | 85  |
| Steer Axle (No Load).....            | 130 |
| Center of Wheelbase (Full Load)..... | 105 |
| Counterweight (No Load).....         | 125 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4000 | 4500 | 5000 |
|--------|------|------|------|
| 500    | 2500 | 2150 | 1700 |
| 600    | 2260 | 1940 | 1530 |
| 700    | 2060 | 1770 | 1400 |
| 800    | 1900 | 1630 | 1290 |
| 900    | 1750 | 1510 | 1190 |
| 1000   | 1630 | 1400 | 1110 |
| 1100   | 1530 | 1310 | 1040 |
| 1200   | 1430 | 1230 | 970  |

### V, FV Mast (PSC)

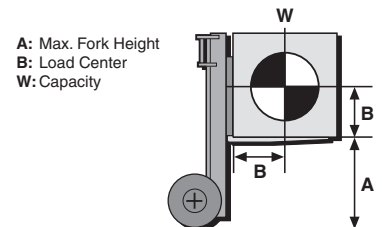
| A (mm) | 4000 | 4500 | 5000 |
|--------|------|------|------|
| 500    | 2500 | 2300 | 1850 |
| 600    | 2260 | 2080 | 1670 |
| 700    | 2060 | 1900 | 1520 |
| 800    | 1900 | 1740 | 1400 |
| 900    | 1750 | 1610 | 1300 |
| 1000   | 1630 | 1500 | 1210 |
| 1100   | 1530 | 1400 | 1130 |
| 1200   | 1430 | 1320 | 1060 |

### FSV Mast (PN)

| A (mm) | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|------|------|------|
| 500    | 2500 | 2300 | 2000 | 2000 | 1500 | 1250 | 850  |
| 600    | 2260 | 2080 | 1810 | 1810 | 1350 | 1130 | 770  |
| 700    | 2070 | 1900 | 1650 | 1650 | 1240 | 1030 | 700  |
| 800    | 1900 | 1750 | 1520 | 1520 | 1140 | 950  | 640  |
| 900    | 1770 | 1620 | 1410 | 1410 | 1060 | 880  | 600  |
| 1000   | 1640 | 1510 | 1310 | 1310 | 980  | 820  | 560  |
| 1100   | 1540 | 1420 | 1230 | 1230 | 920  | 770  | 520  |
| 1200   | 1450 | 1330 | 1160 | 1160 | 870  | 720  | 490  |

### FSV Mast (PSC)

| A (mm) | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|------|------|------|
| 500    | 2500 | 2450 | 2150 | 2150 | 1650 | 1400 | 1000 |
| 600    | 2260 | 2220 | 1940 | 1940 | 1490 | 1260 | 900  |
| 700    | 2070 | 2030 | 1780 | 1780 | 1360 | 1160 | 820  |
| 800    | 1900 | 1870 | 1640 | 1640 | 1260 | 1060 | 760  |
| 900    | 1770 | 1730 | 1520 | 1520 | 1160 | 990  | 700  |
| 1000   | 1640 | 1610 | 1410 | 1410 | 1080 | 920  | 650  |
| 1100   | 1540 | 1510 | 1320 | 1320 | 1010 | 860  | 610  |
| 1200   | 1450 | 1420 | 1240 | 1240 | 950  | 810  | 580  |



A: Max. Fork Height  
B: Load Center  
W: Capacity

## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |                               |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|-------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |                               |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     |                            |                               |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg | kg                         | kg                            |
| Wide Visible Mast (V)                              | 2700                | 1825           | 3375                  | 3920                        | 125                   | 125                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3000                | 1975           | 3675                  | 4220                        | 125                   | 125                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3300                | 2125           | 3975                  | 4520                        | 125                   | 125                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3500                | 2225           | 4175                  | 4720                        | 125                   | 125                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3700                | 2385           | 4375                  | 4920                        | 125                   | 125                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 4000                | 2575           | 4675                  | 5220                        | 125                   | 125                         | 7           | 5   | 2500                       | 2500                          |
|                                                    | 4500                | 2825           | 5175                  | 5720                        | 125                   | 125                         | 7           | 5   | 2150                       | 2300                          |
|                                                    | 5000                | 3075           | 5675                  | 6220                        | 125                   | 125                         | 7           | 5   | 1700                       | 1850                          |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 1975           | 3610                  | 4220                        | 1370                  | 765                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3300                | 2125           | 3910                  | 4520                        | 1520                  | 915                         | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3500                | 2225           | 4110                  | 4720                        | 1620                  | 1015                        | 7           | 10  | 2500                       | 2500                          |
|                                                    | 3700                | 2385           | 4310                  | 4920                        | 1780                  | 1175                        | 7           | 10  | 2500                       | 2500                          |
|                                                    | 4000                | 2575           | 4610                  | 5220                        | 1970                  | 1365                        | 7           | 5   | 2500                       | 2500                          |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1775           | 4350                  | 4920                        | 1130                  | 565                         | 7           | 5   | 2500                       | 2500                          |
|                                                    | 4000                | 1875           | 4650                  | 5220                        | 1230                  | 665                         | 7           | 5   | 2500                       | 2500                          |
|                                                    | 4300                | 1975           | 4950                  | 5520                        | 1330                  | 765                         | 7           | 5   | 2300                       | 2450                          |
|                                                    | 4500                | 2045           | 5150                  | 5720                        | 1400                  | 835                         | 7           | 5   | 2000                       | 2150                          |
|                                                    | 4700                | 2125           | 5350                  | 5920                        | 1480                  | 915                         | 7           | 5   | 2000                       | 2150                          |
|                                                    | 5000                | 2225           | 5650                  | 6220                        | 1580                  | 1015                        | 7           | 5   | 1500                       | 1650                          |
|                                                    | 5500                | 2385           | 6150                  | 6720                        | 1740                  | 1175                        | 7           | 5   | 1250                       | 1400                          |
|                                                    | 6000                | 2575           | 6650                  | 7220                        | 1930                  | 1365                        | 7           | 5   | 850                        | 1000                          |

NOTE: Height of standard load backrest is 1220 mm.

# 2,500 kg

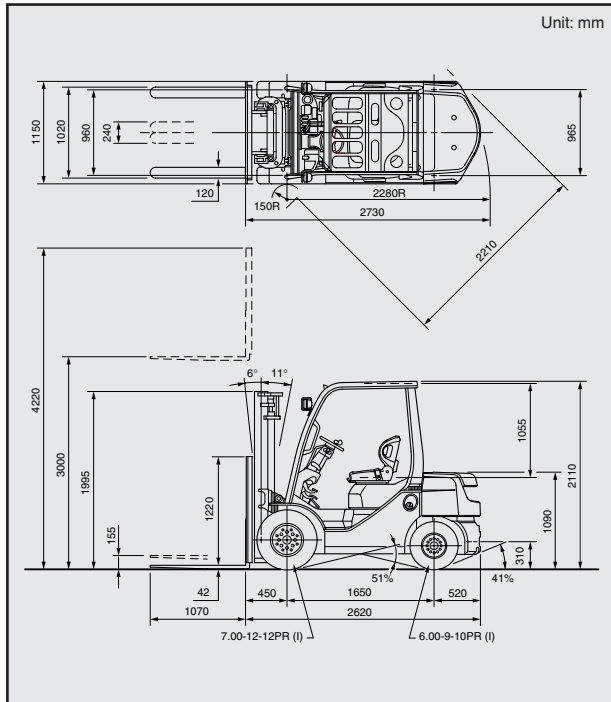
## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                     |                           |                        |                      |                 |                                     |                 |                      |              |           |
|------------------|------------------------|---------------------------------------------------------------------------|---------------------|---------------------------|------------------------|----------------------|-----------------|-------------------------------------|-----------------|----------------------|--------------|-----------|
| Characteristics  | 1                      | Manufacturer                                                              |                     |                           |                        | TOYOTA               |                 | TOYOTA                              |                 | TOYOTA               |              | 1         |
|                  | 2                      | Model                                                                     |                     |                           |                        | 30-8FG25             | 32-8FG25        | 60-8FD25                            | 62-8FD25        | 70-8FD25             | 72-8FD25     | 2         |
|                  | 3                      | Load Capacity                                                             |                     |                           | kg                     | 2500                 |                 | 2500                                |                 | 2500                 |              | 3         |
|                  | 4                      | Load Center                                                               |                     |                           | mm                     | 500                  |                 | 500                                 |                 | 500                  |              | 4         |
|                  | 5                      | Power Type                                                                |                     |                           |                        | Gasoline             |                 | Diesel                              |                 | Diesel               |              | 5         |
|                  | 6                      | Operator Position                                                         |                     |                           |                        | Rider Seated         |                 | Rider Seated                        |                 | Rider Seated         |              | 6         |
|                  | 7                      | Tire Type                                                                 |                     | Front/Rear                |                        | Pneumatic            |                 | Pneumatic                           |                 | Pneumatic            |              | 7         |
|                  | 8                      | Wheels (x = driven)                                                       |                     | Front/Rear                |                        | 2x/2                 |                 | 2x/2                                |                 | 2x/2                 |              | 8         |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                     |                           | mm                     | 3000                 |                 | 3000                                |                 | 3000                 |              | 9         |
|                  | 10                     | Free Lift                                                                 |                     |                           | mm                     | 155                  |                 | 155                                 |                 | 155                  |              | 10        |
|                  | 13                     | Fork Size                                                                 |                     | T x W x L                 | mm                     | 42x120x1070          |                 | 42x120x1070                         |                 | 42x120x1070          |              | 13        |
|                  |                        | Fork Spread (Outside)                                                     |                     | MAX./MIN.                 | mm                     | 1020/240             |                 | 1020/240                            |                 | 1020/240             |              |           |
|                  | 14                     | Tilt Range                                                                |                     | FWD/BWD                   | deg                    | 6/11                 |                 | 6/11                                |                 | 6/11                 |              | 14        |
|                  | 15                     | Length to Fork Face                                                       |                     |                           | mm                     | 2620                 |                 | 2620                                |                 | 2620                 |              | 15        |
|                  | 16                     | Overall Width                                                             |                     |                           | mm                     | 1150                 |                 | 1150                                |                 | 1150                 |              | 16        |
|                  | 17                     | Mast Lowered Height                                                       |                     |                           | mm                     | 1995                 |                 | 1995                                |                 | 1995                 |              | 17        |
|                  | 18                     | Mast Extended Height                                                      |                     |                           | mm                     | 4220                 |                 | 4220                                |                 | 4220                 |              | 18        |
|                  | 19                     | Overhead Guard Height                                                     |                     |                           | mm                     | 2110                 |                 | 2110                                |                 | 2110                 |              | 19        |
|                  | 21                     | Turning Radius (Outside)                                                  |                     |                           | mm                     | 2280                 |                 | 2280                                |                 | 2280                 |              | 21        |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                     |                           | mm                     | 450 (455) **         |                 | 450 (455) **                        |                 | 450 (455) **         |              | 22        |
|                  |                        | Rear Overhang                                                             |                     |                           | mm                     | 520                  |                 | 520                                 |                 | 520                  |              |           |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                     |                           | mm                     | 2730                 |                 | 2730                                |                 | 2730                 |              | 23        |
|                  | Performance            | 24                                                                        | Speeds              | Travel, Max.<br>(FWD/RVS) | Full Load              | km/h                 | 18.0/18.0       | 17.5/17.5                           | 19.5/19.5       | 19.0/19.0            | 19.0/19.0    | 19.0/19.0 |
|                  |                        | No Load                                                                   |                     | km/h                      | 18.5/18.5              | 18.0/18.0            | 20.0/20.0       | 19.5/19.5                           | 19.5/19.5       | 19.5/19.5            |              |           |
| Lifting          |                        | Full Load                                                                 |                     | mm/sec                    | 600                    | 600                  | 615             | 615                                 | 650             | 650                  |              |           |
|                  |                        | No Load                                                                   |                     | mm/sec                    | 640                    | 640                  | 655             | 655                                 | 675             | 675                  |              |           |
| Lowering         |                        | Full Load                                                                 |                     | mm/sec                    | 500                    | 500                  | 500             | 500                                 | 500             | 500                  | 500          | 26        |
|                  |                        | No Load                                                                   |                     | mm/sec                    | 500                    | 500                  | 500             | 500                                 | 500             | 500                  | 500          |           |
| 28               |                        | Max. Drawbar Pull                                                         |                     | Full Load                 | N (kg)                 | 16500 (1680)         | 18500 (1890)    | 17500 (1780)                        | 19000 (1940)    | 19500 (1990)         | 20000 (2040) | 28        |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                     | No Load                   | N (kg)                 | 8600 (880)           | 8500 (870)      | 8700 (890)                          | 8700 (890)      | 8800 (900)           | 8800 (900)   |           |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                     | Full Load                 | N (kg)                 | —                    | 17000 (1730)    | —                                   | 17200 (1750)    | —                    | 17500 (1780) |           |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                     | Full Load                 | % (tanθ)               | —                    | 30              | —                                   | 31              | —                    | 29           | 29        |
| 30               | Max. Gradeability *    |                                                                           | Full Load           | % (tanθ)                  | 28                     | 34                   | 28              | 34                                  | 33              | 32                   | 30           |           |
|                  |                        |                                                                           | No Load             | % (tanθ)                  | 19                     | 19                   | 19              | 19                                  | 19              | 19                   |              |           |
| Weight           | 32                     | Total Weight                                                              |                     |                           | kg                     | 3560                 |                 | 3600                                |                 | 3650                 |              | 32        |
|                  | 33                     | Weight<br>Distribution                                                    | Full Load           | Front                     | kg                     | 5280                 |                 | 5300                                |                 | 5320                 |              | 33        |
|                  | Rear                   |                                                                           |                     | kg                        | 780                    |                      | 800             |                                     | 830             |                      |              |           |
|                  | 34                     |                                                                           | No Load             | Front                     | kg                     | 1300                 |                 | 1320                                |                 | 1340                 |              | 34        |
| Rear             |                        |                                                                           |                     | kg                        | 2260                   |                      | 2280            |                                     | 2310            |                      |              |           |
| Wheels and Tires | 35                     |                                                                           | Number              | Front/Rear                |                        | 2/2                  |                 | 2/2                                 |                 | 2/2                  |              | 35        |
|                  | 36                     | Tires                                                                     | Size                | Front                     |                        | 7.00-12-12PR (I)     |                 | 7.00-12-12PR (I)                    |                 | 7.00-12-12PR (I)     |              | 36        |
|                  | Rear                   |                                                                           |                     |                           | 6.00-9-10PR (I)        |                      | 6.00-9-10PR (I) |                                     | 6.00-9-10PR (I) |                      | 37           |           |
|                  | 38                     | Wheelbase                                                                 |                     |                           | mm                     | 1650                 |                 | 1650                                |                 | 1650                 |              | 38        |
|                  | 39                     | Tread                                                                     |                     | Front                     | mm                     | 960                  |                 | 960                                 |                 | 960                  |              | 39        |
|                  |                        |                                                                           |                     | Rear                      | mm                     | 965                  |                 | 965                                 |                 | 965                  |              |           |
|                  |                        | Backrest Height                                                           |                     |                           | mm                     | 1220                 |                 | 1220                                |                 | 1220                 |              |           |
|                  |                        | Overhead Guard Clearance                                                  |                     |                           | mm                     | 1055                 |                 | 1055                                |                 | 1055                 |              |           |
|                  |                        | Counterweight Height                                                      |                     |                           | mm                     | 1090                 |                 | 1090                                |                 | 1090                 |              |           |
|                  |                        | Drawbar Pin Center Height                                                 |                     |                           | mm                     | 310                  |                 | 310                                 |                 | 310                  |              |           |
|                  |                        | Step Height/Floor Height                                                  |                     |                           | mm                     | 435/675              |                 | 435/675                             |                 | 435/675              |              |           |
|                  | 40                     | Underclearance                                                            |                     | Min. <Mast>               | mm                     | 95                   |                 | 95                                  |                 | 95                   |              | 40        |
|                  | 41                     | (Full Load)                                                               |                     | Center of Wheelbase       | mm                     | 140                  |                 | 140                                 |                 | 140                  |              | 41        |
|                  |                        | Grade Clearance                                                           |                     | Frame/Counterweight       | % (tanθ)               | 51/41                |                 | 51/41                               |                 | 51/41                |              |           |
|                  | 42                     | Brake                                                                     |                     | Service (Foot)            | Hydraulic              |                      | Hydraulic       |                                     | Hydraulic       |                      |              |           |
|                  | 43                     |                                                                           |                     | Parking                   |                        | Hand                 | Foot            | Hand                                | Foot            | Hand                 | Foot         | 43        |
|                  | Drive Unit and Control | 45                                                                        | Battery             |                           | Voltage/Capacity (5HR) | V/AH                 | 12/27           |                                     | 12/55           |                      | 12/64        |           |
| 49               |                        | Internal<br>Combustion<br>Engine                                          | Make/Model          |                           |                        | TOYOTA/4Y            |                 | TOYOTA/1DZ-II [1DZ-III] ***         |                 | TOYOTA/2Z ****       |              | 49        |
| 50               |                        |                                                                           | Rated Power/r.p.m.  |                           | kW (JIS ps)            | 40/2400 (54/2400)    |                 | 44 (60) /2600 [41 (55) /2500]       |                 | 49/2200 (66/2200)    |              | 50        |
| 51               |                        |                                                                           | Rated Torque/r.p.m. |                           | N-m (JIS kg-m)         | 162/1800 (16.5/1800) |                 | 167 (17.0) /1600 [157 (16.0) /2500] |                 | 216/1600 (22.0/1600) |              | 51        |
| 52               |                        |                                                                           | Number of Cylinder  |                           |                        | 4                    |                 | 4                                   |                 | 4                    |              | 52        |
|                  |                        |                                                                           | Piston Displacement |                           | cc                     | 2237                 |                 | 2486                                |                 | 3469                 |              |           |
|                  |                        |                                                                           | Fuel Tank Capacity  |                           | liter                  | 60                   |                 | 60                                  |                 | 60                   |              |           |
| 55               |                        | Transmission                                                              |                     | Type                      |                        | Manual               | Powershift      | Manual                              | Powershift      | Manual               | Powershift   | 55        |
|                  | Stage                  |                                                                           | FWD/RVS             |                           | 2/2                    | 1/1                  | 2/2             | 1/1                                 | 2/2             | 1/1                  |              |           |
|                  | 57                     | Operating Pressure                                                        | For Attachments     | Mpa (kg/cm <sup>2</sup> ) | 15.7 (160)             |                      | 15.7 (160)      |                                     | 15.7 (160)      |                      | 57           |           |

NOTE: \* Computed values.  
 \*\* Number shown in ( ) is when the forkbar width is other than 1020 mm.  
 \*\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).  
 1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).  
 \*\*\*\* 2Z: Non-road Mobile Machinery (97/68/EC; Stage II).

The data in this publication was determined based on our standard testing condition.  
 Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Single           | Dual            | Dual             |
|------------------------|------------------|-----------------|------------------|
| Front Tire Size        | 7.00-12-12PR (I) | 5.50-15-8PR (I) | 7.00-12-12PR (I) |
| Overall Width          | mm 1150          | 1450            | 1610             |
| Tread, Front           | mm 960           | 1105            | 1190             |

## UNDERCLEARANCE mm

|                                 |     |
|---------------------------------|-----|
| Mast (Full Load)                | 95  |
| Drive Axle (Full Load)          | 130 |
| Steer Axle (No Load)            | 160 |
| Center of Wheelbase (Full Load) | 140 |
| Counterweight (No Load)         | 150 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4000 | 4500        | 5000        |
|--------|------|-------------|-------------|
| 500    | 2500 | 2150 [2450] | 1700 [2400] |
| 600    | 2260 | 1940 [2210] | 1540 [2170] |
| 700    | 2070 | 1780 [2020] | 1400 [1980] |
| 800    | 1900 | 1640 [1860] | 1290 [1830] |
| B (mm) | 900  | 1760        | 1510 [1610] |
| 1000   | 1640 | 1410 [1510] | 1110 [1580] |
| 1100   | 1540 | 1320 [1510] | 1040 [1470] |
| 1200   | 1440 | 1240 [1410] | 980 [1390]  |
| 1300   | 1360 | 1170 [1330] | 920 [1310]  |

[ ] for dual tire models.

### V, FV Mast (PSC)

| A (mm) | 4000 | 4500        | 5000        |
|--------|------|-------------|-------------|
| 500    | 2500 | 2300 [2450] | 1850 [2400] |
| 600    | 2260 | 1940 [2210] | 1540 [2170] |
| 700    | 2070 | 1780 [2020] | 1400 [1980] |
| 800    | 1900 | 1640 [1860] | 1290 [1830] |
| B (mm) | 900  | 1760        | 1510 [1730] |
| 1000   | 1640 | 1410 [1610] | 1110 [1580] |
| 1100   | 1540 | 1320 [1510] | 1040 [1470] |
| 1200   | 1440 | 1240 [1410] | 980 [1390]  |
| 1300   | 1360 | 1170 [1330] | 920 [1310]  |

[ ] for dual tire models.

### FSV Mast (PN)

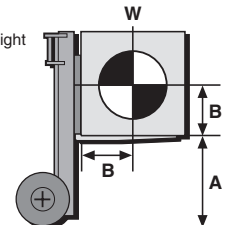
| A (mm) | 4000 | 4300        | 4500        | 4700        | 5000        | 5500        | 6000       | 6500        | 7000        |
|--------|------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|
| 500    | 2500 | 2300 [2500] | 2000 [2450] | 2000 [2450] | 1500 [2400] | 1250 [2050] | 900 [1700] | 1550 [1200] | 1200 [1200] |
| 600    | 2260 | 2080 [2260] | 1810 [2220] | 1810 [2220] | 1360 [2170] | 1130 [1860] | 810 [1540] | 1400 [1080] | 1080 [1080] |
| 700    | 2070 | 1910 [2070] | 1660 [2030] | 1660 [2030] | 1240 [1990] | 1030 [1700] | 740 [1410] | 1280 [990]  | 990 [990]   |
| 800    | 1910 | 1760 [1910] | 1530 [1870] | 1530 [1870] | 1140 [1830] | 950 [1560]  | 680 [1300] | 1180 [910]  | 910 [910]   |
| B (mm) | 900  | 1770        | 1630 [1770] | 1420 [1730] | 1420 [1700] | 1080 [1450] | 880 [1200] | 630 [1100]  | 850 [850]   |
| 1000   | 1650 | 1520 [1650] | 1320 [1620] | 1320 [1620] | 990 [1580]  | 820 [1350]  | 590 [1120] | 1020 [790]  | 790 [790]   |
| 1100   | 1550 | 1420 [1550] | 1240 [1510] | 1240 [1510] | 930 [1480]  | 770 [1270]  | 550 [1050] | 960 [740]   | 740 [740]   |
| 1200   | 1450 | 1340 [1450] | 1160 [1420] | 1160 [1420] | 870 [1400]  | 720 [1190]  | 520 [990]  | 900 [700]   | 700 [700]   |
| 1300   | 1370 | 1260 [1370] | 1100 [1340] | 1100 [1340] | 820 [1320]  | 680 [1120]  | 490 [930]  | 850 [660]   | 660 [660]   |

[ ] for dual tire models (PN or PSC).

### FSV Mast (PSC)

| A (mm) | 5000 | 5500 | 6000 |
|--------|------|------|------|
| 500    | 1650 | 1400 | 1050 |
| 600    | 1490 | 1270 | 950  |
| 700    | 1370 | 1160 | 870  |
| 800    | 1260 | 1070 | 800  |
| 900    | 1170 | 990  | 740  |
| 1000   | 1090 | 920  | 690  |
| 1100   | 1020 | 860  | 650  |
| 1200   | 960  | 810  | 610  |
| 1300   | 900  | 770  | 570  |

A: Max. Fork Height  
B: Load Center  
W: Capacity



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |      |                            |      | Dual Tire  |      |                            |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|------|----------------------------|------|------------|------|----------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |      | Load Capacity at 500 mm LC |      | Tilt Range |      | Load Capacity at 500 mm LC |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |      |                            |      |            |      |                            |
|                                                    |                     |                |                       |                             |                       |                             |             |      | FWD                        | BWD  |            |      | FWD                        |
| Wide Visible Mast (V)                              | 2700                | 1845           | 3370*                 | 3920                        | 150                   | 150                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3000                | 1995           | 3670*                 | 4220                        | 150                   | 150                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3300                | 2145           | 3970*                 | 4520                        | 150                   | 150                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3500                | 2245           | 4170*                 | 4720                        | 150                   | 150                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3700                | 2405           | 4370*                 | 4920                        | 150                   | 150                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 4000                | 2595           | 4670*                 | 5220                        | 150                   | 150                         | 6           | 9    | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 4500                | 2845           | 5170*                 | 5720                        | 150                   | 150                         | 6           | 6    | 2150                       | 2300 | 6          | 11   | 2450                       |
|                                                    | 5000                | 3095           | 5670*                 | 6220                        | 150                   | 150                         | 6           | 6    | 1700                       | 1850 | 6          | 6    | 2400                       |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 1995           | 3605                  | 4220                        | 1400                  | 780                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3300                | 2145           | 3905                  | 4520                        | 1550                  | 930                         | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3500                | 2245           | 4105                  | 4720                        | 1650                  | 1030                        | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
|                                                    | 3700                | 2405           | 4305                  | 4920                        | 1810                  | 1190                        | 6           | 11   | 2500                       | 2500 | 6          | 11   | 2500                       |
| 4000                                               | 2595                | 4605           | 5220                  | 2000                        | 1380                  | 6                           | 9           | 2500 | 2500                       | 6    | 11         | 2500 |                            |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1795           | 4265                  | 4920                        | 1235                  | 580                         | 6           | 6    | 2500                       | 2500 | 6          | 6    | 2500                       |
|                                                    | 4000                | 1895           | 4565                  | 5220                        | 1335                  | 680                         | 6           | 6    | 2500                       | 2500 | 6          | 6    | 2500                       |
|                                                    | 4300                | 1995           | 4865                  | 5520                        | 1435                  | 780                         | 6           | 6    | 2300                       | 2300 | 6          | 6    | 2500                       |
|                                                    | 4500                | 2065           | 5065                  | 5720                        | 1505                  | 850                         | 6           | 6    | 2000                       | 2000 | 6          | 6    | 2450                       |
|                                                    | 4700                | 2145           | 5265                  | 5920                        | 1585                  | 930                         | 6           | 6    | 2000                       | 2000 | 6          | 6    | 2450                       |
|                                                    | 5000                | 2245           | 5565                  | 6220                        | 1685                  | 1030                        | 6           | 6    | 1500                       | 1650 | 6          | 6    | 2400                       |
|                                                    | 5500                | 2405           | 6065                  | 6720                        | 1845                  | 1190                        | 6           | 6    | 1250                       | 1400 | 6          | 6    | 2050                       |
|                                                    | 6000                | 2595           | 6565                  | 7220                        | 2035                  | 1380                        | 6           | 6    | 900                        | 1050 | 6          | 6    | 1700                       |
|                                                    | 6500                | 2845           | 7065                  | 7720                        | 2285                  | 1630                        | —           | —    | —                          | —    | 6          | 6    | 1550                       |
|                                                    | 7000                | 3095           | 7565                  | 8220                        | 2535                  | 1880                        | —           | —    | —                          | —    | 6          | 6    | 1200                       |

NOTE: Height of standard load backrest is 1220 mm.  
\* with A4 piping, minus 15 mm.

# 3,000 kg

## MAIN VEHICLE SPECIFICATIONS

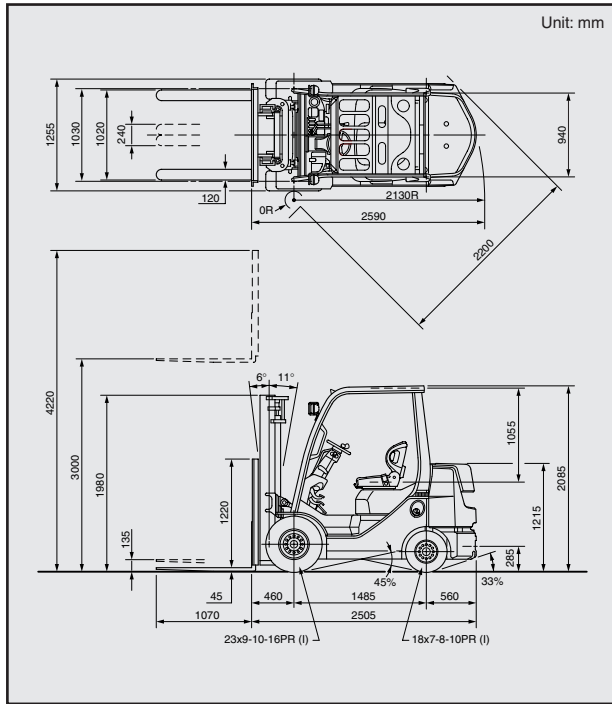
|                  |                        |                                                                           |                            |                           |                           |                      |                      |            |                  |    |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------|---------------------------|---------------------------|----------------------|----------------------|------------|------------------|----|
| Characteristics  | 1                      | Manufacturer                                                              |                            |                           |                           | TOYOTA               | TOYOTA               | 1          |                  |    |
|                  | 2                      | Model                                                                     |                            |                           |                           | 32-8FGK30            | 62-8FDK30            | 2          |                  |    |
|                  | 3                      | Load Capacity                                                             |                            |                           | kg                        | 3000                 | 3000                 | 3          |                  |    |
|                  | 4                      | Load Center                                                               |                            |                           | mm                        | 500                  | 500                  | 4          |                  |    |
|                  | 5                      | Power Type                                                                |                            |                           |                           | Gasoline             | Diesel               | 5          |                  |    |
|                  | 6                      | Operator Position                                                         |                            |                           |                           | Rider Seated         | Rider Seated         | 6          |                  |    |
|                  | 7                      | Tire Type                                                                 |                            | Front/Rear                |                           | Pneumatic            | Pneumatic            | 7          |                  |    |
|                  | 8                      | Wheels (x = driven)                                                       |                            | Front/Rear                |                           | 2x/2                 | 2x/2                 | 8          |                  |    |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                            |                           | mm                        | 3000                 | 3000                 | 9          |                  |    |
|                  | 10                     | Free Lift                                                                 |                            |                           | mm                        | 135                  | 135                  | 10         |                  |    |
|                  | 13                     | Fork Size                                                                 |                            | T x W x L                 | mm                        | 45x120x1070          | 45x120x1070          | 13         |                  |    |
|                  |                        | Fork Spread (Outside)                                                     |                            | MAX./MIN.                 | mm                        | 1020/240             | 1020/240             |            |                  |    |
|                  | 14                     | Tilt Range                                                                |                            | FWD/BWD                   | deg                       | 6/11                 | 6/11                 | 14         |                  |    |
|                  | 15                     | Length to Fork Face                                                       |                            |                           | mm                        | 2505                 | 2505                 | 15         |                  |    |
|                  | 16                     | Overall Width                                                             |                            |                           | mm                        | 1255                 | 1255                 | 16         |                  |    |
|                  | 17                     | Mast Lowered Height                                                       |                            |                           | mm                        | 1980                 | 1980                 | 17         |                  |    |
|                  | 18                     | Mast Extended Height                                                      |                            |                           | mm                        | 4220                 | 4220                 | 18         |                  |    |
|                  | 19                     | Overhead Guard Height                                                     |                            |                           | mm                        | 2085                 | 2085                 | 19         |                  |    |
|                  | 21                     | Turning Radius (Outside)                                                  |                            |                           | mm                        | 2130                 | 2130                 | 21         |                  |    |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                            |                           | mm                        | 460                  | 460                  | 22         |                  |    |
|                  |                        | Rear Overhang                                                             |                            |                           | mm                        | 560                  | 560                  |            |                  |    |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                            |                           | mm                        | 2590                 | 2590                 | 23         |                  |    |
|                  | Performance            | 24                                                                        | Speeds                     | Travel, Max.<br>(FWD/RVS) | Full Load                 | km/h                 | 18.5/18.5            | 18.5/18.5  | 24               |    |
| No Load          |                        | km/h                                                                      |                            |                           | 19.0/19.5                 | 19.0/19.0            |                      |            |                  |    |
| Lifting          |                        | Full Load                                                                 |                            | mm/sec                    | 490                       | 500                  | 25                   |            |                  |    |
|                  |                        | No Load                                                                   |                            | mm/sec                    | 530                       | 530                  |                      |            |                  |    |
| Lowering         |                        | Full Load                                                                 |                            | mm/sec                    | 500                       | 500                  | 26                   |            |                  |    |
|                  |                        | No Load                                                                   |                            | mm/sec                    | 500                       | 500                  |                      |            |                  |    |
| 28               |                        | Max. Drawbar Pull                                                         |                            | Full Load                 | N (kg)                    | 17000 (1730)         | 17500 (1780)         | 28         |                  |    |
|                  |                        |                                                                           |                            | No Load                   | N (kg)                    | 7300 (740)           | 7300 (740)           |            |                  |    |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                            | Full Load                 | N (kg)                    | 15600 (1590)         | 15500 (1580)         |            |                  |    |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                            | Full Load                 | % (tanθ)                  | 24                   | 24                   | 29         |                  |    |
| 30               | Max. Gradeability *    |                                                                           | Full Load                  | % (tanθ)                  | 24                        | 24                   | 30                   |            |                  |    |
|                  |                        |                                                                           | No Load                    | % (tanθ)                  | 14                        | 14                   |                      |            |                  |    |
| Weight           | 32                     | Total Weight                                                              |                            |                           | kg                        | 4150                 | 4200                 | 32         |                  |    |
|                  | 33                     | Weight Distribution                                                       | Full Load                  | Front                     | kg                        | 6240                 | 6330                 | 33         |                  |    |
|                  | Rear                   |                                                                           |                            | kg                        | 910                       | 870                  |                      |            |                  |    |
|                  | 34                     |                                                                           | No Load                    | Front                     | kg                        | 1200                 | 1290                 | 34         |                  |    |
|                  | Rear                   |                                                                           |                            | kg                        | 2950                      | 2910                 |                      |            |                  |    |
| Wheels and Tires | 35                     | Tires                                                                     | Number                     | Front/Rear                |                           | 2/2                  | 2/2                  | 35         |                  |    |
|                  | 36                     |                                                                           | Size                       | Front                     |                           | 23x9-10-16PR (I)     | 23x9-10-16PR (I)     | 36         |                  |    |
|                  | 37                     |                                                                           |                            | Rear                      |                           | 18x7-8-16PR (I)      | 18x7-8-16PR (I)      | 37         |                  |    |
|                  | 38                     | Wheelbase                                                                 |                            |                           | mm                        | 1485                 | 1485                 | 38         |                  |    |
|                  | 39                     | Tread                                                                     |                            | Front                     | mm                        | 1030                 | 1030                 | 39         |                  |    |
|                  |                        |                                                                           |                            | Rear                      | mm                        | 940                  | 940                  |            |                  |    |
|                  |                        | Backrest Height                                                           |                            |                           | mm                        | 1220                 | 1220                 |            |                  |    |
|                  |                        | Overhead Guard Clearance                                                  |                            |                           | mm                        | 1055                 | 1055                 |            |                  |    |
|                  |                        | Counterweight Height                                                      |                            |                           | mm                        | 1215                 | 1215                 |            |                  |    |
|                  |                        | Drawbar Pin Center Height                                                 |                            |                           | mm                        | 285                  | 285                  |            |                  |    |
|                  |                        | Step Height/Floor Height                                                  |                            |                           | mm                        | 400/640              | 400/640              |            |                  |    |
|                  | 40                     | Underclearance<br>(Full Load)                                             | Min. <Mast>                |                           | mm                        | 80                   | 80                   | 40         |                  |    |
|                  | 41                     |                                                                           | Center of Wheelbase        |                           | mm                        | 110                  | 110                  | 41         |                  |    |
|                  |                        | Grade Clearance                                                           |                            | Frame/Counterweight       | % (tanθ)                  | 45/33                | 45/33                |            |                  |    |
|                  | 42                     | Brake                                                                     | Service (Foot)             |                           |                           |                      | Hydraulic            | Hydraulic  | 42               |    |
|                  | 43                     |                                                                           | Parking                    |                           |                           |                      | Foot                 | Foot       | 43               |    |
|                  | Drive Unit and Control | 45                                                                        | Battery                    |                           | Voltage/Capacity (5HR)    |                      | V/AH                 | 12/27      | 12/55            | 45 |
|                  |                        | 49                                                                        | Internal Combustion Engine | Make/Model                |                           |                      |                      | TOYOTA/4Y  | TOYOTA/1DZ-II ** | 49 |
| 50               |                        | Rated Power/r.p.m.                                                        |                            |                           | kW (JIS ps)               | 40/2400 (54/2400)    | 40/2400 (55/2400)    | 50         |                  |    |
| 51               |                        | Rated Torque/r.p.m.                                                       |                            |                           | N-m (JIS kg-m)            | 162/1800 (16.5/1800) | 167/1600 (17.0/1600) | 51         |                  |    |
|                  |                        | Number of Cylinder                                                        |                            |                           |                           | 4                    | 4                    |            |                  |    |
| 52               |                        | Piston Displacement                                                       |                            |                           | cc                        | 2237                 | 2486                 | 52         |                  |    |
|                  |                        | Fuel Tank Capacity                                                        |                            |                           | liter                     | 55                   | 55                   |            |                  |    |
| 55               |                        | Transmission                                                              |                            | Type                      |                           |                      | Powershift           | Powershift |                  |    |
|                  |                        | Stage                                                                     | FWD/RVS                    |                           |                           | 1/1                  | 1/1                  | 55         |                  |    |
|                  | 57                     | Operating Pressure                                                        | For Attachments            |                           | Mpa (kg/cm <sup>2</sup> ) | 15.7 (160)           | 15.7 (160)           | 57         |                  |    |

NOTE: \* Computed values.

\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## UNDERCLEARANCE mm

|                                      |     |
|--------------------------------------|-----|
| Mast (Full Load).....                | 80  |
| Drive Axle (Full Load).....          | 90  |
| Steer Axle (No Load).....            | 130 |
| Center of Wheelbase (Full Load)..... | 110 |
| Counterweight (No Load).....         | 125 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4500 | 5000 |
|--------|------|------|
| 500    | 3000 | 2600 |
| 600    | 2720 | 2350 |
| 700    | 2480 | 2150 |
| 800    | 2290 | 1980 |
| 900    | 2120 | 1840 |
| 1000   | 1980 | 1710 |
| 1100   | 1850 | 1600 |
| 1200   | 1740 | 1510 |

### V, FV Mast (PSC)

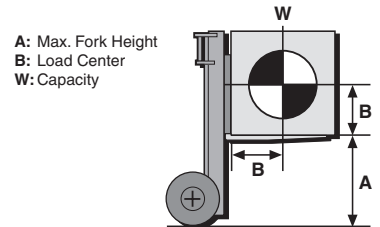
| A (mm) | 4500 | 5000 |
|--------|------|------|
| 500    | 3000 | 2750 |
| 600    | 2720 | 2490 |
| 700    | 2480 | 2280 |
| 800    | 2290 | 2100 |
| 900    | 2120 | 1950 |
| 1000   | 1980 | 1810 |
| 1100   | 1850 | 1700 |
| 1200   | 1740 | 1600 |

### FSV Mast (PN)

| A (mm) | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|------|------|------|
| 500    | 3000 | 2900 | 2800 | 2800 | 2400 | 1700 | 1200 |
| 600    | 2720 | 2630 | 2540 | 2540 | 2170 | 1540 | 1080 |
| 700    | 2490 | 2410 | 2320 | 2320 | 1990 | 1410 | 990  |
| 800    | 2300 | 2220 | 2140 | 2140 | 1840 | 1300 | 920  |
| 900    | 2130 | 2060 | 1990 | 1990 | 1700 | 1210 | 850  |
| 1000   | 1990 | 1920 | 1860 | 1860 | 1590 | 1120 | 790  |
| 1100   | 1860 | 1800 | 1740 | 1740 | 1490 | 1050 | 740  |
| 1200   | 1750 | 1690 | 1640 | 1640 | 1400 | 990  | 700  |

### FSV Mast (PSC)

| A (mm) | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|------|------|
| 500    | 3000 | 2850 | 2850 | 2550 | 1850 | 1350 |
| 600    | 2720 | 2580 | 2580 | 2310 | 1680 | 1220 |
| 700    | 2490 | 2370 | 2370 | 2120 | 1530 | 1120 |
| 800    | 2300 | 2180 | 2180 | 1950 | 1410 | 1030 |
| 900    | 2130 | 2020 | 2020 | 1810 | 1310 | 960  |
| 1000   | 1990 | 1890 | 1890 | 1690 | 1220 | 890  |
| 1100   | 1860 | 1770 | 1770 | 1580 | 1150 | 840  |
| 1200   | 1750 | 1660 | 1660 | 1490 | 1080 | 790  |



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |                               |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|-------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |                               |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     |                            |                               |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg | kg                         | kg                            |
| Wide Visible Mast (V)                              | 2700                | 1830           | 3405*                 | 3920                        | 135                   | 135                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3000                | 1980           | 3705*                 | 4220                        | 135                   | 135                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3300                | 2130           | 4005*                 | 4520                        | 135                   | 135                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3500                | 2230           | 4205*                 | 4720                        | 135                   | 135                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3700                | 2390           | 4405*                 | 4920                        | 135                   | 135                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 4000                | 2580           | 4705*                 | 5220                        | 135                   | 135                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 4500                | 2830           | 5205*                 | 5720                        | 135                   | 135                         | 6           | 6   | 3000                       | 3000                          |
|                                                    | 5000                | 3080           | 5705*                 | 6220                        | 135                   | 135                         | 6           | 6   | 3000                       | 2750                          |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 1980           | 3585                  | 4220                        | 1400                  | 760                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3300                | 2130           | 3885                  | 4520                        | 1550                  | 955                         | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3500                | 2230           | 4085                  | 4720                        | 1650                  | 1055                        | 6           | 11  | 3000                       | 3000                          |
|                                                    | 3700                | 2390           | 4285                  | 4920                        | 1810                  | 1215                        | 6           | 11  | 3000                       | 3000                          |
|                                                    | 4000                | 2580           | 4585                  | 5220                        | 2000                  | 1405                        | 6           | 11  | 3000                       | 3000                          |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1880           | 4285                  | 4920                        | 1300                  | 660                         | 6           | 6   | 3000                       | 3000                          |
|                                                    | 4000                | 1980           | 4585                  | 5220                        | 1400                  | 760                         | 6           | 6   | 3000                       | 3000                          |
|                                                    | 4300                | 2130           | 4885                  | 5520                        | 1550                  | 910                         | 6           | 6   | 2900                       | 3000                          |
|                                                    | 4500                | 2180           | 5085                  | 5720                        | 1600                  | 960                         | 6           | 6   | 2800                       | 2850                          |
|                                                    | 4700                | 2230           | 5285                  | 5920                        | 1650                  | 1010                        | 6           | 6   | 2800                       | 2850                          |
|                                                    | 5000                | 2390           | 5585                  | 6220                        | 1810                  | 1170                        | 6           | 6   | 2400                       | 2550                          |
|                                                    | 5500                | 2580           | 6085                  | 6720                        | 2000                  | 1360                        | 6           | 6   | 1700                       | 1850                          |
|                                                    | 6000                | 2830           | 6585                  | 7220                        | 2250                  | 1610                        | 6           | 6   | 1200                       | 1350                          |

NOTE: Height of standard load backrest is 1220 mm.

\* with A4 piping, minus 20 mm.

# 3,000 kg

## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                            |                           |                      |                  |                                     |                  |                            |                  |               |           |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------|---------------------------|----------------------|------------------|-------------------------------------|------------------|----------------------------|------------------|---------------|-----------|
| Characteristics  | 1                      | Manufacturer                                                              |                            |                           |                      | TOYOTA           |                                     | TOYOTA           |                            | TOYOTA           |               | 1         |
|                  | 2                      | Model                                                                     |                            |                           |                      | 30-8FG30         | 32-8FG30                            | 60-8FD30         | 62-8FD30                   | 70-8FD30         | 72-8FD30      | 2         |
|                  | 3                      | Load Capacity                                                             |                            |                           | kg                   | 3000             |                                     | 3000             |                            | 3000             |               | 3         |
|                  | 4                      | Load Center                                                               |                            |                           | mm                   | 500              |                                     | 500              |                            | 500              |               | 4         |
|                  | 5                      | Power Type                                                                |                            |                           |                      | Gasoline         |                                     | Diesel           |                            | Diesel           |               | 5         |
|                  | 6                      | Operator Position                                                         |                            |                           |                      | Rider Seated     |                                     | Rider Seated     |                            | Rider Seated     |               | 6         |
|                  | 7                      | Tire Type                                                                 |                            | Front/Rear                |                      | Pneumatic        |                                     | Pneumatic        |                            | Pneumatic        |               | 7         |
|                  | 8                      | Wheels (x = driven)                                                       |                            | Front/Rear                |                      | 2x/2             |                                     | 2x/2             |                            | 2x/2             |               | 8         |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                            |                           | mm                   | 3000             |                                     | 3000             |                            | 3000             |               | 9         |
|                  | 10                     | Free Lift                                                                 |                            |                           | mm                   | 135              |                                     | 135              |                            | 135              |               | 10        |
|                  | 13                     | Fork Size                                                                 |                            | T x W x L                 | mm                   | 45x120x1070      |                                     | 45x120x1070      |                            | 45x120x1070      |               | 13        |
|                  |                        | Fork Spread (Outside)                                                     |                            | MAX./MIN.                 | mm                   | 1070/240         |                                     | 1070/240         |                            | 1070/240         |               |           |
|                  | 14                     | Tilt Range                                                                |                            | FWD/BWD                   | deg                  | 6/11             |                                     | 6/11             |                            | 6/11             |               | 14        |
|                  | 15                     | Length to Fork Face                                                       |                            |                           | mm                   | 2775             |                                     | 2775             |                            | 2775             |               | 15        |
|                  | 16                     | Overall Width                                                             |                            |                           | mm                   | 1240             |                                     | 1240             |                            | 1240             |               | 16        |
|                  | 17                     | Mast Lowered Height                                                       |                            |                           | mm                   | 2015             |                                     | 2015             |                            | 2015             |               | 17        |
|                  | 18                     | Mast Extended Height                                                      |                            |                           | mm                   | 4220             |                                     | 4220             |                            | 4220             |               | 18        |
|                  | 19                     | Overhead Guard Height                                                     |                            |                           | mm                   | 2170             |                                     | 2170             |                            | 2170             |               | 19        |
|                  | 21                     | Turning Radius (Outside)                                                  |                            |                           | mm                   | 2430             |                                     | 2430             |                            | 2430             |               | 21        |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                            |                           | mm                   | 485              |                                     | 485              |                            | 485              |               | 22        |
|                  |                        | Rear Overhang                                                             |                            |                           | mm                   | 595              |                                     | 595              |                            | 595              |               |           |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                            |                           | mm                   | 2915             |                                     | 2915             |                            | 2915             |               | 23        |
|                  | Performance            | 24                                                                        | Speeds                     | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h             | 18.5/18.5                           | 18.5/18.5        | 19.5/19.5                  | 17.5/17.5        | 19.5/19.5     | 18.5/18.5 |
|                  |                        | No Load                                                                   |                            | km/h                      | 19.0/19.0            | 19.0/19.0        | 20.0/20.0                           | 18.0/18.0        | 20.0/20.0                  | 19.0/19.0        |               |           |
| Lifting          |                        | Full Load                                                                 |                            | mm/sec                    | 510                  | 510              | 500                                 | 500              | 550                        | 550              |               |           |
|                  |                        | No Load                                                                   |                            | mm/sec                    | 550                  | 550              | 530                                 | 530              | 570                        | 570              |               |           |
| Lowering         |                        | Full Load                                                                 |                            | mm/sec                    | 500                  | 500              | 500                                 | 500              | 500                        | 500              |               |           |
|                  |                        | No Load                                                                   |                            | mm/sec                    | 500                  | 550              | 500                                 | 500              | 500                        | 500              |               |           |
| 28               |                        | Max. Drawbar Pull                                                         |                            | Full Load                 | N (kg)               | 16800 (1710)     | 18000 (1840)                        | 16700 (1700)     | 19600 (2000)               | 19700 (2010)     | 19500 (1990)  | 28        |
| No Load          |                        |                                                                           |                            | N (kg)                    | 10300 (1050)         | 10300 (1050)     | 10400 (1060)                        | 10400 (1060)     | 10600 (1080)               | 10600 (1080)     |               |           |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                            | Full Load                 | N (kg)               | —                | 15300 (1560)                        | —                | 17600 (1790)               | —                | 17000 (1730)  |           |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                            | Full Load                 | % (tanθ)             | —                | 22                                  | —                | 25                         | —                | 24            | 29        |
| 30               | Max. Gradeability *    |                                                                           | Full Load                  | % (tanθ)                  | 23                   | 25               | 23                                  | 28               | 27                         | 27               | 30            |           |
|                  |                        |                                                                           | No Load                    | % (tanθ)                  | 20                   | 20               | 20                                  | 20               | 20                         | 20               |               |           |
| Weight           | 32                     | Total Weight                                                              |                            |                           | kg                   | 4190             |                                     | 4230             |                            | 4290             |               | 32        |
|                  | 33                     | Weight Distribution                                                       | Full Load                  | Front                     | kg                   | 6210             |                                     | 6240             |                            | 6270             |               | 33        |
|                  | Rear                   |                                                                           |                            | kg                        | 980                  |                  | 990                                 |                  | 1020                       |                  |               |           |
|                  | 34                     |                                                                           | No Load                    | Front                     | kg                   | 1470             |                                     | 1510             |                            | 1530             |               | 34        |
|                  | Rear                   |                                                                           |                            | kg                        | 2720                 |                  | 2720                                |                  | 2760                       |                  |               |           |
| Wheels and Tires | 35                     | Tires                                                                     | Number                     | Front/Rear                |                      | 2/2              |                                     | 2/2              |                            | 2/2              |               | 35        |
|                  | 36                     |                                                                           | Size                       | Front                     |                      | 28x9-15-12PR (I) |                                     | 28x9-15-12PR (I) |                            | 28x9-15-12PR (I) |               | 36        |
|                  | 37                     |                                                                           |                            | Rear                      |                      | 6.5-10-10PR (I)  |                                     | 6.5-10-10PR (I)  |                            | 6.5-10-10PR (I)  |               | 37        |
|                  | 38                     | Wheelbase                                                                 |                            |                           | mm                   | 1700             |                                     | 1700             |                            | 1700             |               | 38        |
|                  | 39                     | Tread                                                                     |                            | Front                     | mm                   | 1010             |                                     | 1010             |                            | 1010             |               | 39        |
|                  | Rear                   |                                                                           |                            | mm                        | 965                  |                  | 965                                 |                  | 965                        |                  |               |           |
|                  |                        | Backrest Height                                                           |                            |                           | mm                   | 1220             |                                     | 1220             |                            | 1220             |               |           |
|                  |                        | Overhead Guard Clearance                                                  |                            |                           | mm                   | 1055             |                                     | 1055             |                            | 1055             |               |           |
|                  |                        | Counterweight Height                                                      |                            |                           | mm                   | 1130             |                                     | 1130             |                            | 1130             |               |           |
|                  |                        | Drawbar Pin Center Height                                                 |                            |                           | mm                   | 335              |                                     | 335              |                            | 335              |               |           |
|                  |                        | Step Height/Floor Height                                                  |                            |                           | mm                   | 495/730          |                                     | 495/730          |                            | 495/730          |               |           |
|                  | 40                     | Underclearance<br>(Full Load)                                             | Min. <Mast>                | mm                        | 115                  |                  | 115                                 |                  | 115                        |                  | 40            |           |
|                  | 41                     |                                                                           | Center of Wheelbase        | mm                        | 185                  |                  | 185                                 |                  | 185                        |                  |               | 41        |
|                  |                        | Grade Clearance                                                           |                            | Frame/Counterweight       | % (tanθ)             | 62/49            |                                     | 62/49            |                            | 62/49            |               |           |
|                  | 42                     | Brake                                                                     | Service (Foot)             |                           |                      | Hydraulic        |                                     | Hydraulic        |                            | Hydraulic        |               | 42        |
|                  | 43                     |                                                                           | Parking                    |                           |                      | Hand             | Foot                                | Hand             | Foot                       | Hand             | Foot          | 43        |
|                  | Drive Unit and Control | 45                                                                        | Battery                    |                           | V/AH                 | 12/27            |                                     | 12/55            |                            | 12/64            |               | 45        |
|                  |                        | 49                                                                        | Internal Combustion Engine | Make/Model                |                      |                  | TOYOTA/4Y                           |                  | TOYOTA/1DZ-II [1DZ-III] ** |                  | TOYOTA/2Z *** |           |
| 50               |                        | Rated Power/r.p.m.                                                        |                            | kW (JIS ps)               | 43/2600 (58/2600)    |                  | 44 (60) /2600 [41 (55) /2500]       |                  | 49/2200 (66/2200)          |                  | 50            |           |
| 51               |                        | Rated Torque/r.p.m.                                                       |                            | N-m (JIS kg-m)            | 162/1800 (16.5/1800) |                  | 167 (17.0) /1600 [157 (16.0) /2500] |                  | 216/1600 (22.0/1600)       |                  | 51            |           |
| 52               |                        | Number of Cylinder                                                        |                            |                           | 4                    |                  | 4                                   |                  | 4                          |                  | 52            |           |
|                  |                        | Piston Displacement                                                       |                            | cc                        | 2237                 |                  | 2486                                |                  | 3469                       |                  |               |           |
|                  |                        | Fuel Tank Capacity                                                        |                            | liter                     | 60                   |                  | 60                                  |                  | 60                         |                  |               |           |
| 55               |                        | Transmission                                                              |                            | Type                      |                      | Manual           | Powershift                          | Manual           | Powershift                 | Manual           | Powershift    | 55        |
|                  | Stage                  | FWD/RVS                                                                   |                            | 2/2                       | 1/1                  | 2/2              | 1/1                                 | 2/2              | 1/1                        |                  |               |           |
|                  | 57                     | Operating Pressure                                                        | For Attachments            | Mpa (kg/cm <sup>2</sup> ) | 15.7 (160)           |                  | 15.7 (160)                          |                  | 15.7 (160)                 |                  | 57            |           |

NOTE: \* Computed values.

\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

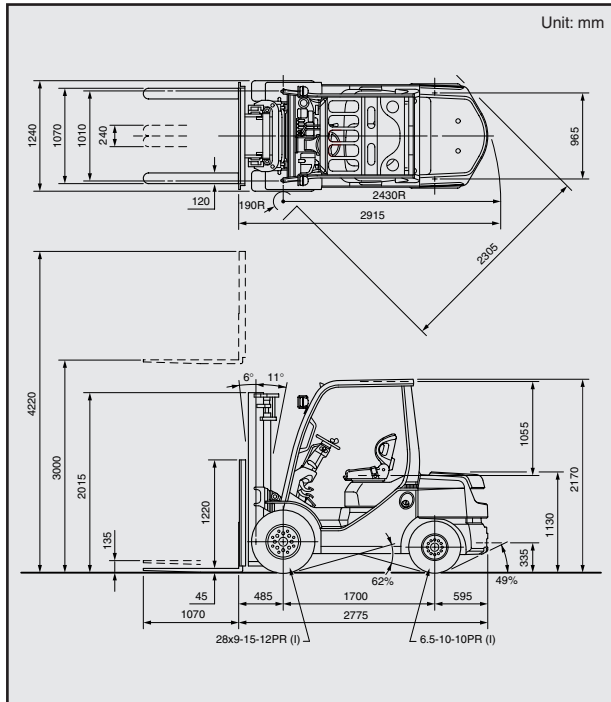
1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).

\*\*\* 2Z: Non-road Mobile Machinery (97/68/EC; Stage II).

The data in this publication was determined based on our standard testing condition.

Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Dual             | Dual             |
|------------------------|------------------|------------------|
| Front Tire Size        | 6.00-15-10PR (I) | 28x8-15-12PR (I) |
| Overall Width mm       | 1520             | 1675             |
| Tread, Front mm        | 1150             | 1240             |

## UNDERCLEARANCE mm

|                                      |     |
|--------------------------------------|-----|
| Mast (Full Load).....                | 115 |
| Drive Axle (Full Load).....          | 130 |
| Steer Axle (No Load).....            | 180 |
| Center of Wheelbase (Full Load)..... | 185 |
| Counterweight (No Load).....         | 175 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4500 | 5000           |
|--------|------|----------------|
| 500    | 3000 | 2600<br>[3000] |
| 600    | 2720 | 2360<br>[2720] |
| 700    | 2500 | 2160<br>[2500] |
| 800    | 2310 | 2000<br>[2310] |
| 900    | 2140 | 1850<br>[2140] |
| 1000   | 2000 | 1730<br>[2000] |
| 1100   | 1870 | 1620<br>[1870] |
| 1200   | 1760 | 1530<br>[1760] |
| 1300   | 1670 | 1440<br>[1670] |

[ ] for dual tire models.

### V, FV Mast (PSC)

| A (mm) | 4500 | 5000           |
|--------|------|----------------|
| 500    | 3000 | 2750<br>[3000] |
| 600    | 2720 | 2500<br>[2720] |
| 700    | 2500 | 2290<br>[2500] |
| 800    | 2310 | 2110<br>[2310] |
| 900    | 2140 | 1960<br>[2140] |
| 1000   | 2000 | 1830<br>[2000] |
| 1100   | 1870 | 1720<br>[1870] |
| 1200   | 1760 | 1620<br>[1760] |
| 1300   | 1670 | 1530<br>[1670] |

[ ] for dual tire models.

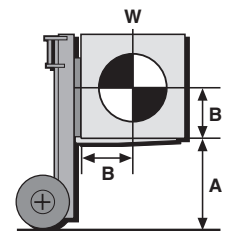
### FSV Mast (PN)

| A (mm) | 4700 | 5000           | 5500           | 6000           | 6500 | 7000 |
|--------|------|----------------|----------------|----------------|------|------|
| 500    | 3000 | 2600<br>[2950] | 1900<br>[2650] | 1500<br>[2050] | —    | —    |
| 600    | 2730 | 2360<br>[2680] | 1730<br>[2410] | 1360<br>[1860] | —    | —    |
| 700    | 2500 | 2170<br>[2460] | 1580<br>[2210] | 1250<br>[1710] | —    | —    |
| 800    | 2310 | 2000<br>[2270] | 1460<br>[2040] | 1150<br>[1580] | —    | —    |
| 900    | 2150 | 1860<br>[2110] | 1360<br>[1900] | 1070<br>[1470] | —    | —    |
| 1000   | 2010 | 1740<br>[1970] | 1270<br>[1770] | 1000<br>[1370] | —    | —    |
| 1100   | 1880 | 1630<br>[1850] | 1190<br>[1660] | 940<br>[1290]  | —    | —    |
| 1200   | 1770 | 1540<br>[1740] | 1120<br>[1570] | 880<br>[1210]  | —    | —    |
| 1300   | 1680 | 1450<br>[1650] | 1060<br>[1480] | 840<br>[1140]  | —    | —    |

[ ] for dual tire models (PN or PSC).

### FSV Mast (PSC)

| A (mm) | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|------|
| 500    | 3000 | 2750 | 2050 | 1650 |
| 600    | 2730 | 2500 | 1860 | 1500 |
| 700    | 2500 | 2290 | 1710 | 1370 |
| 800    | 2310 | 2120 | 1580 | 1270 |
| 900    | 2150 | 1970 | 1470 | 1180 |
| 1000   | 2010 | 1840 | 1370 | 1100 |
| 1100   | 1880 | 1730 | 1290 | 1030 |
| 1200   | 1770 | 1630 | 1210 | 970  |
| 1300   | 1680 | 1540 | 1140 | 920  |



A: Max. Fork Height  
B: Load Center  
W: Capacity

## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |      |                            |      | Dual Tire  |      |                            |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|------|----------------------------|------|------------|------|----------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |      | Load Capacity at 500 mm LC |      | Tilt Range |      | Load Capacity at 500 mm LC |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |      |                            |      |            |      |                            |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD  | FWD                        | BWD  |            |      |                            |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg  | kg                         | kg   | deg        | deg  | kg                         |
| Wide Visible Mast (V)                              | 2700                | 1865           | 3440*                 | 3920                        | 135                   | 135                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3000                | 2015           | 3740*                 | 4220                        | 135                   | 135                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3300                | 2165           | 4040*                 | 4520                        | 135                   | 135                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3500                | 2265           | 4240*                 | 4720                        | 135                   | 135                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3700                | 2425           | 4440*                 | 4920                        | 135                   | 135                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 4000                | 2615           | 4740*                 | 5220                        | 135                   | 135                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 4500                | 2865           | 5240*                 | 5720                        | 135                   | 135                         | 6           | 6    | 3000                       | 3000 | 6          | 11   | 3000                       |
| 5000                                               | 3115                | 5740*          | 6220                  | 135                         | 135                   | 6                           | 6           | 2600 | 2750                       | 6    | 6          | 3000 |                            |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 2015           | 3615                  | 4220                        | 1400                  | 795                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3300                | 2165           | 3915                  | 4520                        | 1550                  | 945                         | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3500                | 2265           | 4115                  | 4720                        | 1650                  | 1045                        | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 3700                | 2425           | 4315                  | 4920                        | 1810                  | 1205                        | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
|                                                    | 4000                | 2615           | 4615                  | 5220                        | 2000                  | 1395                        | 6           | 11   | 3000                       | 3000 | 6          | 11   | 3000                       |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 1915           | 4315                  | 4920                        | 1300                  | 695                         | 6           | 6    | 3000                       | 3000 | 6          | 6    | 3000                       |
|                                                    | 4000                | 2015           | 4615                  | 5220                        | 1400                  | 795                         | 6           | 6    | 3000                       | 3000 | 6          | 6    | 3000                       |
|                                                    | 4300                | 2165           | 4915                  | 5520                        | 1550                  | 945                         | 6           | 6    | 3000                       | 3000 | 6          | 6    | 3000                       |
|                                                    | 4500                | 2215           | 5115                  | 5720                        | 1600                  | 995                         | 6           | 6    | 3000                       | 3000 | 6          | 6    | 3000                       |
|                                                    | 4700                | 2265           | 5315                  | 5920                        | 1650                  | 1045                        | 6           | 6    | 3000                       | 3000 | 6          | 6    | 3000                       |
|                                                    | 5000                | 2425           | 5615                  | 6220                        | 1810                  | 1205                        | 6           | 6    | 2600                       | 2750 | 6          | 6    | 2950                       |
|                                                    | 5500                | 2615           | 6115                  | 6720                        | 2000                  | 1395                        | 6           | 6    | 1900                       | 2050 | 6          | 6    | 2650                       |
|                                                    | 6000                | 2865           | 6615                  | 7220                        | 2250                  | 1645                        | 6           | 6    | 1500                       | 1650 | 6          | 6    | 2050                       |
|                                                    | 6500                | 3115           | 7115                  | 7720                        | 2500                  | 1895                        | —           | —    | —                          | —    | 6          | 6    | 1600                       |
|                                                    | 7000                | 3365           | 7615                  | 8220                        | 2750                  | 2145                        | —           | —    | —                          | —    | 6          | 6    | 1200                       |

NOTE: Height of standard load backrest is 1220 mm.  
\* with A4 piping, minus 20 mm.

# 3,500 kg

## MAIN VEHICLE SPECIFICATIONS

|                  |                        |                                                                           |                            |                           |                      |                        |                                     |                 |                            |                        |               |           |
|------------------|------------------------|---------------------------------------------------------------------------|----------------------------|---------------------------|----------------------|------------------------|-------------------------------------|-----------------|----------------------------|------------------------|---------------|-----------|
| Characteristics  | 1                      | Manufacturer                                                              |                            |                           |                      | TOYOTA                 |                                     | TOYOTA          |                            | TOYOTA                 |               | 1         |
|                  | 2                      | Model                                                                     |                            |                           |                      | 30-8FGJ35    32-8FGJ35 |                                     | 62-8FDJ35       |                            | 70-8FDJ35    72-8FDJ35 |               | 2         |
|                  | 3                      | Load Capacity                                                             |                            |                           | kg                   | 3500                   |                                     | 3500            |                            | 3500                   |               | 3         |
|                  | 4                      | Load Center                                                               |                            |                           | mm                   | 500                    |                                     | 500             |                            | 500                    |               | 4         |
|                  | 5                      | Power Type                                                                |                            |                           |                      | Gasoline               |                                     | Diesel          |                            | Diesel                 |               | 5         |
|                  | 6                      | Operator Position                                                         |                            |                           |                      | Rider Seated           |                                     | Rider Seated    |                            | Rider Seated           |               | 6         |
|                  | 7                      | Tire Type                                                                 |                            | Front/Rear                |                      | Pneumatic              |                                     | Pneumatic       |                            | Pneumatic              |               | 7         |
|                  | 8                      | Wheels (x = driven)                                                       |                            | Front/Rear                |                      | 2x/2                   |                                     | 2x/2            |                            | 2x/2                   |               | 8         |
| Dimensions       | 9                      | Maximum Fork Height (MFH)                                                 |                            |                           | mm                   | 3000                   |                                     | 3000            |                            | 3000                   |               | 9         |
|                  | 10                     | Free Lift                                                                 |                            |                           | mm                   | 140                    |                                     | 140             |                            | 140                    |               | 10        |
|                  | 13                     | Fork Size                                                                 |                            | T x W x L                 | mm                   | 50x140x1070            |                                     | 50x140x1070     |                            | 50x140x1070            |               | 13        |
|                  |                        | Fork Spread (Outside)                                                     |                            | MAX./MIN.                 | mm                   | 1070/280               |                                     | 1070/280        |                            | 1070/280               |               |           |
|                  | 14                     | Tilt Range                                                                |                            | FWD/BWD                   | deg                  | 6/11                   |                                     | 6/11            |                            | 6/11                   |               | 14        |
|                  | 15                     | Length to Fork Face                                                       |                            |                           | mm                   | 2845                   |                                     | 2845            |                            | 2845                   |               | 15        |
|                  | 16                     | Overall Width                                                             |                            |                           | mm                   | 1290                   |                                     | 1290            |                            | 1290                   |               | 16        |
|                  | 17                     | Mast Lowered Height                                                       |                            |                           | mm                   | 2120                   |                                     | 2120            |                            | 2120                   |               | 17        |
|                  | 18                     | Mast Extended Height                                                      |                            |                           | mm                   | 4220                   |                                     | 4220            |                            | 4220                   |               | 18        |
|                  | 19                     | Overhead Guard Height                                                     |                            |                           | mm                   | 2180                   |                                     | 2180            |                            | 2180                   |               | 19        |
|                  | 21                     | Turning Radius (Outside)                                                  |                            |                           | mm                   | 2490                   |                                     | 2490            |                            | 2490                   |               | 21        |
|                  | 22                     | Load Distance<br>(Centerline of front axle to front face of forks)        |                            |                           | mm                   | 500                    |                                     | 500             |                            | 500                    |               | 22        |
|                  |                        | Rear Overhang                                                             |                            |                           | mm                   | 650                    |                                     | 650             |                            | 650                    |               |           |
|                  | 23                     | Basic Right Angle Stacking Aisle Width<br>(Add load length and clearance) |                            |                           | mm                   | 2990                   |                                     | 2990            |                            | 2990                   |               | 23        |
|                  | Performance            | 24                                                                        | Speeds                     | Travel, Max.<br>(FWD/RVS) | Full Load            | km/h                   | 19.0/19.0                           | 19.0/19.0       | 18.0/18.0                  |                        | 19.0/19.0     | 19.0/19.0 |
| No Load          |                        | km/h                                                                      |                            |                           | 19.5/19.5            | 19.5/19.5              | 18.5/18.5                           |                 | 19.5/19.5                  | 19.5/19.5              |               |           |
| Lifting          |                        | Full Load                                                                 |                            | mm/sec                    | 410                  | 410                    | 410                                 |                 | 440                        | 440                    | 25            |           |
|                  |                        | No Load                                                                   |                            | mm/sec                    | 450                  | 450                    | 450                                 |                 | 460                        | 460                    |               |           |
| Lowering         |                        | Full Load                                                                 |                            | mm/sec                    | 500                  | 500                    | 500                                 |                 | 500                        | 500                    | 26            |           |
|                  |                        | No Load                                                                   |                            | mm/sec                    | 450                  | 450                    | 450                                 |                 | 450                        | 450                    |               |           |
| 28               |                        | Max. Drawbar Pull                                                         |                            | Full Load                 | N (kg)               | 16500 (1680)           | 17000 (1730)                        | 18600 (1900)    |                            | 19500 (1990)           | 18500 (1890)  | 28        |
| No Load          |                        |                                                                           |                            | N (kg)                    | 10500 (1070)         | 10500 (1070)           | 10600 (1080)                        |                 | 10700 (1090)               | 10700 (1090)           |               |           |
|                  |                        | Max. Drawbar Pull at 1.5km/h *                                            |                            | Full Load                 | N (kg)               | —    13900 (1420)      |                                     | 16500 (1680)    |                            | —    16000 (1630)      |               |           |
| 29               |                        | Gradeability at 1.5 km/h *                                                |                            | Full Load                 | % (tanθ)             | —    19                |                                     | 20              |                            | —    20                |               | 29        |
| 30               | Max. Gradeability *    |                                                                           | Full Load                  | % (tanθ)                  | 20    21             |                        | 22                                  |                 | 24                         | 22                     | 30            |           |
|                  |                        |                                                                           | No Load                    | % (tanθ)                  | 18    18             |                        | 19                                  |                 | 19                         | 19                     |               |           |
| Weight           | 32                     | Total Weight                                                              |                            |                           | kg                   | 4770                   |                                     | 4810            |                            | 4870                   |               | 32        |
|                  | 33                     | Weight Distribution                                                       | Full Load                  | Front                     | kg                   | 7200                   |                                     | 7210            |                            | 7240                   |               | 33        |
|                  | Rear                   |                                                                           |                            | kg                        | 1070                 |                        | 1100                                |                 | 1130                       |                        |               |           |
|                  | 34                     |                                                                           | No Load                    | Front                     | kg                   | 1640                   |                                     | 1660            |                            | 1680                   |               | 34        |
|                  | Rear                   |                                                                           |                            | kg                        | 3130                 |                        | 3150                                |                 | 3190                       |                        |               |           |
| Wheels and Tires | 35                     | Tires                                                                     | Number                     | Front/Rear                |                      | 2/2                    |                                     | 2/2             |                            | 2/2                    |               | 35        |
|                  | 36                     |                                                                           | Size                       | Front                     |                      | 250-15-16PR (I)        |                                     | 250-15-16PR (I) |                            | 250-15-16PR (I)        |               | 36        |
|                  | 37                     |                                                                           |                            | Rear                      |                      | 6.5-10-12PR (I)        |                                     | 6.5-10-12PR (I) |                            | 6.5-10-12PR (I)        |               | 37        |
|                  | 38                     | Wheelbase                                                                 |                            |                           | mm                   | 1700                   |                                     | 1700            |                            | 1700                   |               | 38        |
|                  | 39                     | Tread                                                                     |                            | Front                     | mm                   | 1060                   |                                     | 1060            |                            | 1060                   |               | 39        |
|                  | Rear                   |                                                                           |                            | mm                        | 965                  |                        | 965                                 |                 | 965                        |                        |               |           |
|                  |                        | Backrest Height                                                           |                            |                           | mm                   | 1220                   |                                     | 1220            |                            | 1220                   |               |           |
|                  |                        | Overhead Guard Clearance                                                  |                            |                           | mm                   | 1055                   |                                     | 1055            |                            | 1055                   |               |           |
|                  |                        | Counterweight Height                                                      |                            |                           | mm                   | 1130                   |                                     | 1130            |                            | 1130                   |               |           |
|                  |                        | Drawbar Pin Center Height                                                 |                            |                           | mm                   | 335                    |                                     | 335             |                            | 335                    |               |           |
|                  |                        | Step Height/Floor Height                                                  |                            |                           | mm                   | 505/745                |                                     | 505/745         |                            | 505/745                |               |           |
|                  | 40                     | Underclearance<br>(Full Load)                                             | Min. <Mast>                | mm                        | 130                  |                        | 130                                 |                 | 130                        |                        | 40            |           |
|                  | 41                     |                                                                           | Center of Wheelbase        | mm                        | 190                  |                        | 190                                 |                 | 190                        |                        |               | 41        |
|                  |                        | Grade Clearance                                                           |                            | Frame/Counterweight       | % (tanθ)             | 64/43                  |                                     | 64/43           |                            | 64/43                  |               |           |
|                  | 42                     | Brake                                                                     | Service (Foot)             |                           |                      | Hydraulic              |                                     | Hydraulic       |                            | Hydraulic              |               | 42        |
|                  | 43                     |                                                                           | Parking                    |                           |                      | Hand                   | Foot                                | Foot            | Hand                       | Foot                   | 43            |           |
|                  | Drive Unit and Control | 45                                                                        | Battery                    |                           | V/AH                 | 12/27                  |                                     | 12/55           |                            | 12/64                  |               | 45        |
|                  |                        | 49                                                                        | Internal Combustion Engine | Make/Model                |                      |                        | TOYOTA/4Y                           |                 | TOYOTA/1DZ-II [1DZ-III] ** |                        | TOYOTA/2Z *** |           |
| 50               |                        | Rated Power/r.p.m.                                                        |                            | kW (JIS ps)               | 43/2600 (58/2600)    |                        | 44 (60) /2600 [41 (55) /2500]       |                 | 49/2200 (66/2200)          |                        | 50            |           |
| 51               |                        | Rated Torque/r.p.m.                                                       |                            | N-m (JIS kg-m)            | 162/1800 (16.5/1800) |                        | 167 (17.0) /1600 [157 (16.0) /2500] |                 | 216/1600 (22.0/1600)       |                        | 51            |           |
| 52               |                        | Number of Cylinder                                                        |                            |                           | 4                    |                        | 4                                   |                 | 4                          |                        | 52            |           |
|                  |                        | Piston Displacement                                                       |                            | cc                        | 2237                 |                        | 2486                                |                 | 3469                       |                        |               |           |
|                  |                        | Fuel Tank Capacity                                                        |                            | liter                     | 60                   |                        | 60                                  |                 | 60                         |                        |               |           |
| 55               |                        | Transmission                                                              |                            | Type                      |                      | Manual                 | Powershift                          | Powershift      |                            | Manual                 | Powershift    | 55        |
|                  |                        | Stage                                                                     |                            | FWD/RVS                   |                      | 2/2                    | 1/1                                 | 1/1             |                            | 2/2                    | 1/1           |           |
|                  |                        | 57                                                                        | Operating Pressure         |                           | For Attachments      | Mpa (kg/cm²)           | 15.7 (160)                          |                 | 15.7 (160)                 |                        | 15.7 (160)    |           |

NOTE: \* Computed values.

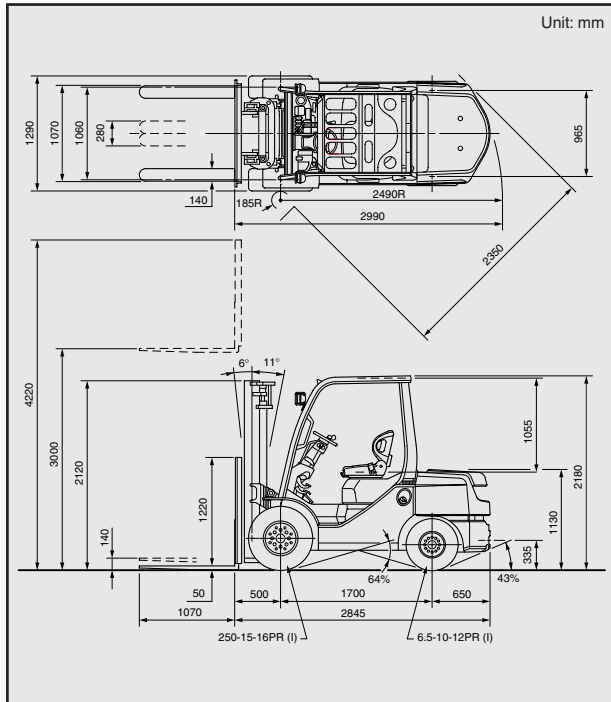
\*\* 1DZ-II: Non-road Mobile Machinery (97/68/EC; Stage II) EPA Non-road Diesel Emissions (40 CFR Part 89; Interim Tier 2).

1DZ-III: Non-road Mobile Machinery (97/68/EC; Stage IIIA) EPA Non-road Diesel Emissions (40 CFR Part 1039; Interim Tier 4).

\*\*\* 2Z: Non-road Mobile Machinery (97/68/EC; Stage II).

The data in this publication was determined based on our standard testing condition.  
Operating performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area.

## DIMENSIONAL DRAWINGS



## SPECIAL TREAD

| Front Tire Single/Dual | Dual             | Dual             |
|------------------------|------------------|------------------|
| Front Tire Size        | 6.00-15-10PR (I) | 28x8-15-12PR (I) |
| Overall Width mm       | 1525             | 1715             |
| Tread, Front mm        | 1155             | 1290             |

## UNDERCLEARANCE mm

|                                      |     |
|--------------------------------------|-----|
| Mast (Full Load).....                | 130 |
| Drive Axle (Full Load).....          | 140 |
| Steer Axle (No Load).....            | 180 |
| Center of Wheelbase (Full Load)..... | 190 |
| Counterweight (No Load).....         | 170 |

## RATED CAPACITIES

Unit: kg (W)

### V, FV Mast (PN)

| A (mm) | 4500 | 5000           |
|--------|------|----------------|
| 500    | 3500 | 3300<br>[3400] |
| 600    | 3180 | 3000<br>[3090] |
| 700    | 2920 | 2750<br>[2840] |
| 800    | 2700 | 2550<br>[2620] |
| B (mm) | 2510 | 2370<br>[2440] |
| 1000   | 2340 | 2210<br>[2280] |
| 1100   | 2200 | 2070<br>[2140] |
| 1200   | 2070 | 1950<br>[2010] |
| 1300   | 1960 | 1840<br>[1900] |

### V, FV Mast (PSC)

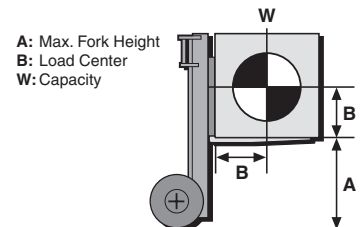
| A (mm) | 4500 | 5000 |
|--------|------|------|
| 500    | 3500 | 3400 |
| 600    | 3180 | 3090 |
| 700    | 2920 | 2840 |
| 800    | 2700 | 2620 |
| B (mm) | 2510 | 2440 |
| 1000   | 2340 | 2280 |
| 1100   | 2200 | 2140 |
| 1200   | 2070 | 2010 |
| 1300   | 1960 | 1900 |

[ ] for dual tire models.

### FSV Mast (PN or PSC)

| A (mm) | 4300 | 4500 | 4700 | 5000 | 5500           | 6000           | 6500        | 7000       |
|--------|------|------|------|------|----------------|----------------|-------------|------------|
| 500    | 3500 | 3400 | 3400 | 3300 | 2700<br>[3200] | 2000<br>[2400] | —<br>[1650] | —<br>[900] |
| 600    | 3190 | 3100 | 3100 | 3000 | 2460<br>[2910] | 1820<br>[2180] | —<br>[1500] | —<br>[820] |
| 700    | 2930 | 2840 | 2840 | 2760 | 2260<br>[2680] | 1670<br>[2010] | —<br>[1380] | —<br>[750] |
| 800    | 2710 | 2630 | 2630 | 2550 | 2090<br>[2480] | 1550<br>[1860] | —<br>[1270] | —<br>[690] |
| B (mm) | 2520 | 2450 | 2450 | 2380 | 1940<br>[2300] | 1440<br>[1730] | —<br>[1190] | —<br>[640] |
| 1000   | 2350 | 2290 | 2290 | 2220 | 1820<br>[2150] | 1340<br>[1610] | —<br>[1110] | —<br>[600] |
| 1100   | 2210 | 2150 | 2150 | 2080 | 1700<br>[2020] | 1260<br>[1510] | —<br>[1040] | —<br>[560] |
| 1200   | 2080 | 2020 | 2020 | 1960 | 1610<br>[1900] | 1190<br>[1430] | —<br>[980]  | —<br>[530] |
| 1300   | 1970 | 1910 | 1910 | 1860 | 1520<br>[1800] | 1120<br>[1350] | —<br>[930]  | —<br>[500] |

[ ] for dual tire models.



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                                          | Maximum Fork Height | Overall Height |                       |                             | Free Lift             |                             | Single Tire |     |                            |                               | Dual Tire  |     |                                                  |
|----------------------------------------------------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------|-----|----------------------------|-------------------------------|------------|-----|--------------------------------------------------|
|                                                    |                     | Lowered        | Extended              |                             | Without Load Backrest | With Standard Load Backrest | Tilt Range  |     | Load Capacity at 500 mm LC |                               | Tilt Range |     | Load Capacity at 500 mm LC                       |
|                                                    |                     |                | Without Load Backrest | With Standard Load Backrest |                       |                             |             |     | Pneumatic Tire             | Pneumatic-Shaped Cushion Tire |            |     |                                                  |
|                                                    |                     |                |                       |                             |                       |                             | FWD         | BWD |                            |                               | FWD        | BWD | Pneumatic-Tire/<br>Pneumatic-Shaped Cushion Tire |
|                                                    | mm                  | mm             | mm                    | mm                          | mm                    | mm                          | deg         | deg | kg                         | kg                            | deg        | deg | kg                                               |
| Wide Visible Mast (V)                              | 2700                | 2000           | 3570                  | 3920                        | 140                   | 140                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3000                | 2120           | 3870                  | 4220                        | 140                   | 140                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3300                | 2300           | 4170                  | 4520                        | 140                   | 140                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3500                | 2400           | 4370                  | 4720                        | 140                   | 140                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3700                | 2500           | 4570                  | 4920                        | 140                   | 140                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 4000                | 2750           | 4870                  | 5220                        | 140                   | 140                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 4500                | 3000           | 5370                  | 5720                        | 140                   | 140                         | 6           | 6   | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 5000                | 3250           | 5870                  | 6220                        | 140                   | 140                         | 6           | 6   | 3300                       | 3400                          | 6          | 6   | 3400                                             |
| Wide Visible Full-Free Lift Two-Stage Mast (FV)    | 3000                | 2120           | 3735                  | 4220                        | 1395                  | 910                         | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3300                | 2300           | 4035                  | 4520                        | 1575                  | 1090                        | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3500                | 2400           | 4235                  | 4720                        | 1675                  | 1190                        | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 3700                | 2500           | 4435                  | 4920                        | 1775                  | 1290                        | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
|                                                    | 4000                | 2750           | 4735                  | 5220                        | 2025                  | 1540                        | 6           | 11  | 3500                       | 3500                          | 6          | 11  | 3500                                             |
| Wide Visible Full-Free Lift Three-Stage Mast (FSV) | 3700                | 2030           | 4435                  | 4920                        | 1305                  | 820                         | 6           | 6   | 3500                       | 3500                          | 6          | 6   | 3500                                             |
|                                                    | 4000                | 2180           | 4735                  | 5220                        | 1455                  | 970                         | 6           | 6   | 3500                       | 3500                          | 6          | 6   | 3500                                             |
|                                                    | 4300                | 2230           | 5035                  | 5520                        | 1505                  | 1020                        | 6           | 6   | 3500                       | 3500                          | 6          | 6   | 3500                                             |
|                                                    | 4500                | 2280           | 5235                  | 5720                        | 1555                  | 1070                        | 6           | 6   | 3400                       | 3400                          | 6          | 6   | 3400                                             |
|                                                    | 4700                | 2440           | 5435                  | 5920                        | 1715                  | 1230                        | 6           | 6   | 3400                       | 3400                          | 6          | 6   | 3400                                             |
|                                                    | 5000                | 2630           | 5735                  | 6220                        | 1905                  | 1420                        | 6           | 6   | 3300                       | 3300                          | 6          | 6   | 3300                                             |
|                                                    | 5500                | 2880           | 6235                  | 6720                        | 2155                  | 1670                        | 6           | 6   | 2700                       | 2850                          | 6          | 6   | 3200                                             |
|                                                    | 6000                | 3130           | 6735                  | 7220                        | 2405                  | 1920                        | 6           | 6   | 2000                       | 2150                          | 6          | 6   | 2400                                             |
|                                                    | 6500                | 3380           | 7235                  | 7720                        | 2655                  | 2170                        | —           | —   | —                          | —                             | 6          | 6   | 1650                                             |
|                                                    | 7000                | 3630           | 7735                  | 8220                        | 2905                  | 2420                        | —           | —   | —                          | —                             | 6          | 6   | 900                                              |

NOTE: Height of standard load backrest is 1220 mm.

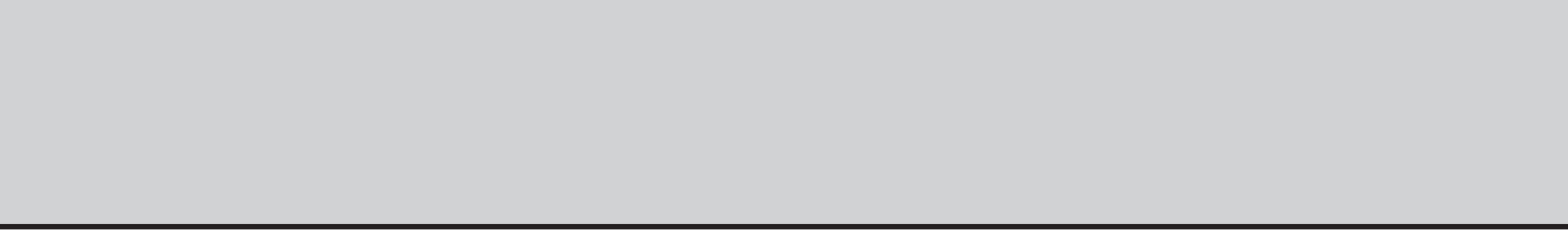
# STANDARD EQUIPMENT

## 8FG10. 15. 18. 20. 25. 30, 8FGJ35 8FGK20.25.30

- Wide Visible Mast (V) [MFH: 3,000 mm]
- Load backrest (V and FSV masts)  
[Height: 1,220 mm]
- Easy-down system (V mast)
- Alternator with IC regulator
- Same key for multiple forklifts
- 7" cyclone air cleaner with snorkel air intake
- Radiator reservoir tank
- Operator Presence Sensing System (OPS)
- Double-action parking brake  
[Manual transmission models]
- Foot-activated parking brake  
[Powershift transmission models]
- Assist grip
- Neutral safety switch
- Electronic shift control
- Full hydraulic power steering
- Overhead guard sheet
- Overhead guard
- Rain gutter
- Hidden tilt cylinder
- Tilt cylinder boots
- Tilt steering column
- Engine hood damper (lockable)
- Jack point
- Drawbar pin
- Engine hood insulation
- Headlights
- Headlights guard
- Integrated light & Turn signal switch
- Hour meter
- Engine water temperature indicator
- All-time fuel meter
- Engine oil pressure warning light
- Charge warning light
- Electric horn
- Storage area

## 8FD10. 15. 18. 20. 25. 30, 8FDJ35 8FDK20.25.30

- Wide Visible Mast (V) [MFH: 3,000 mm]
- Load backrest (V and FSV masts)  
[Height: 1,220 mm]
- Easy-down system (V mast)
- Alternator with IC regulator
- Intake heater (2Z engine models)
- Super glow control system  
(1DZ-II/1DZ-III engine models)
- Sedimenter
- Same key for multiple forklifts
- 7" cyclone air cleaner with snorkel air intake
- Radiator reservoir tank
- Operator Presence Sensing System (OPS)
- Double-action parking brake  
[Manual transmission models]
- Foot-activated parking brake  
[Powershift transmission models]
- Assist grip
- Neutral safety switch
- Electronic shift control
- Full hydraulic power steering
- Overhead guard sheet
- Overhead guard
- Rain gutter
- Hidden tilt cylinder
- Tilt cylinder boots
- Tilt steering column
- Engine hood damper (lockable)
- Jack point
- Drawbar pin
- Engine hood insulation
- Headlights
- Headlights guard
- Integrated light & Turn signal switch
- Hour meter
- Engine water temperature indicator
- All-time fuel meter
- Engine oil pressure warning light
- Charge warning light
- Pre-heat indicator light
- Sedimenter warning light
- Electric horn
- Storage area



Availability and specifications are determined regionally and are subject to change without notice.  
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