

**MAIN SPECIFICATIONS**

|                            |                                      | UN   |        |             |             |                               |             |                                     |             |             |             |       |  |
|----------------------------|--------------------------------------|--|--------|-------------|-------------|-------------------------------|-------------|-------------------------------------|-------------|-------------|-------------|-------|--|
| General                    | 1                                    | Manufacturer                               |        |             |             |                               |             |                                     |             |             |             |       |  |
|                            | 2                                    | Model                                      | FD45T  | FD50T       | FD55T       | FGL45T                        | FGL50T      | FGL55T                              | FL45T       | FL50T       | FL55T       |       |  |
|                            | 3                                    | Power Type                                 | Diesel |             |             | Gasoline & LPG                |             |                                     | LPG         |             |             |       |  |
|                            | 4                                    | Rated Load Capacity                        | Q(kg)  | 4500        | 5000        | 5500                          | 4500        | 5000                                | 5500        | 4500        | 5000        | 5500  |  |
|                            | 5                                    | Load Centre                                | C(mm)  | 500         |             |                               |             |                                     |             |             |             |       |  |
| Characteristic & Dimension | 6                                    | Rated Lift Height                          | H3(mm) | 3000        |             |                               |             |                                     |             |             |             |       |  |
|                            | 7                                    | Free Lift Height                           | H2(mm) | 150         |             |                               |             |                                     |             |             |             |       |  |
|                            | 8                                    | Fork Size (LxWxT)                          | mm     | 1070x150x50 | 1070x150x55 | 1070x150x50                   | 1070x150x55 | 1070x150x50                         | 1070x150x55 | 1070x150x50 | 1070x150x55 |       |  |
|                            | 9                                    | Mast Tilt Angle (F/R, α°/β°)               | deg    | 6°/12°      |             |                               |             |                                     |             |             |             |       |  |
|                            | 10                                   | Fork Overhang (Wheel Center to Fork Face)  | X1(mm) | 571         | 576         | 571                           | 576         | 571                                 | 576         | 571         | 576         |       |  |
|                            | 11                                   | Rear Overhang                              | X2(mm) | 605         | 655         | 605                           | 655         | 605                                 | 655         | 605         | 655         |       |  |
|                            | 12                                   | Ground Clearance (Bottom of Mast)          | H7(mm) | 140         |             |                               |             |                                     |             |             |             |       |  |
|                            | 13                                   | Length to Face of Fork (Without Fork)      | L1(mm) | 3265        | 3315        | 3265                          | 3315        | 3265                                | 3315        | 3265        | 3315        |       |  |
|                            | 14                                   | Overall Width                              | B1(mm) | 1520        |             |                               |             |                                     |             |             |             |       |  |
|                            | 15                                   | Mast Lowered Height                        | H1(mm) | 2250        |             |                               |             |                                     |             |             |             |       |  |
|                            | 16                                   | Mast Extended Height (With Backrest)       | H4(mm) | 4250        | 4405        | 4250                          | 4405        | 4250                                | 4405        | 4250        | 4405        |       |  |
|                            | 17                                   | Overhead Guard Height                      | H5(mm) | 2370 (2260) |             |                               |             |                                     |             |             |             |       |  |
|                            | 18                                   | Turning Radius (Outside)                   | Wa(mm) | 2930        | 2980        | 2930                          | 2980        | 2930                                | 2980        | 2930        | 2980        |       |  |
|                            | 19                                   | Min.Aisle width for pallets                | Aa(mm) | 4690        | 4750        | 4690                          | 4750        | 4690                                | 4750        | 4690        | 4750        |       |  |
| Performance                | 20                                   | Travel Speed (Full Load/No Load)           | km/h   | 25/26       |             | 25/26                         |             | 25/26                               |             |             |             |       |  |
|                            | 21                                   | Lifting Speed (Full Load/No Load)          | mm/sec | 580/620     | 530/580     | 580/620                       | 530/580     | 580/620                             | 530/580     | 580/620     | 530/580     |       |  |
|                            | 22                                   | Lowering Speed (Full Load/No Load)         | mm/sec | 300-600     |             |                               |             |                                     |             |             |             |       |  |
|                            | 23                                   | Max.Drawbar Pull (Full Load/No Load)       | kN     | 41/25       |             |                               |             |                                     |             |             |             |       |  |
| 24                         | Max.Gradeability (Full Load/No Load) | %  | 33/28  |             |             |                               |             |                                     |             |             |             |       |  |
| Chassis                    | 25                                   | Tyre (Front x 2)                           | mm     | 300-15-18PR |             |                               |             |                                     |             |             |             |       |  |
|                            | 26                                   | Tyre (Rear x 2)                            | mm     | 700-12-12PR |             |                               |             |                                     |             |             |             |       |  |
|                            | 27                                   | Front Tread                                | B2(mm) | 1232        |             |                               |             |                                     |             |             |             |       |  |
|                            | 28                                   | Rear Tread                                 | B3(mm) | 1190        |             |                               |             |                                     |             |             |             |       |  |
| 29                         | Wheelbase                            | Y(mm)                                      | 2100   |             |             |                               |             |                                     |             |             |             |       |  |
| Weight                     | 30                                   | Total Weight                               | kg     | 6510        | 6920        | 7280                          | 6510        | 6920                                | 7280        | 6510        | 6920        | 7280  |  |
|                            | 31                                   | Front Axle Weight Distribution (Full Load) | kg     | 9840        | 10540       | 11270                         | 9840        | 10540                               | 11270       | 9840        | 10540       | 11270 |  |
|                            | 32                                   | Rear Axle Weight Distribution (Full Load)  | kg     | 1170        | 1370        | 1510                          | 1170        | 1370                                | 1510        | 1170        | 1370        | 1510  |  |
|                            | 33                                   | Front Axle Weight Distribution (No Load)   | kg     | 3080        | 3030        | 3010                          | 3080        | 3030                                | 3010        | 3080        | 3030        | 3010  |  |
|                            | 34                                   | Rear Axle Weight Distribution (No Load)    | kg     | 3430        | 3890        | 4270                          | 3430        | 3890                                | 4270        | 3430        | 3890        | 4270  |  |
| Power & Transmission       | 35                                   | Battery                                    | V/Ah   | 24/90       |             | 12/90                         |             |                                     |             |             |             |       |  |
|                            | 36                                   | Engine Model                               |        | S6S         |             | WG3800-GL-C                   |             | WG3800-L-ESC (EPA/EU V) /WG3800-L-C |             |             |             |       |  |
|                            | 37                                   | Engine Manufacturer                        |        | MITSUBISHI  |             | Kubota                        |             | Kubota                              |             |             |             |       |  |
|                            | 38                                   | Rated Output /r.p.m.                       | kw     | 52/2300     |             | 57.6(Gasoline) 60.7(LPG)/2400 |             | 59/2400                             |             |             |             |       |  |
|                            | 39                                   | Rated Torque /r.p.m.                       | Nm     | 248/1700    |             | 248(Gasoline) 273(LPG)/1200   |             | 282/1200                            |             |             |             |       |  |
|                            | 40                                   | No.of Cylinder                             |        | 6           |             | 4                             |             | 4                                   |             |             |             |       |  |
|                            | 41                                   | Bore x Stroke                              | mm     | 94x120      |             | 100x120                       |             | 100x120                             |             |             |             |       |  |
|                            | 42                                   | Displacement                               | L      | 4.996       |             | 3.768                         |             | 3.768                               |             |             |             |       |  |
|                            | 43                                   | Fuel Tank Capacity                         | L      | 110         |             |                               |             |                                     |             |             |             |       |  |
|                            | 44                                   | Transmission Type                          |        | Hydraulic   |             |                               |             |                                     |             |             |             |       |  |
| 45                         | Transmission Stage (FWD/RVS)         |  | 2/1    |             |             |                               |             |                                     |             |             |             |       |  |
| 46                         | Operating Pressure (For Attachments) | Mpa  | 23.5   |             |             |                               |             |                                     |             |             |             |       |  |



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UN FORKLIFT

# F SERIES FORKLIFT TRUCK

Capacity 4.5 ton-5.5 ton (Diesel / Gasoline / LPG)

F Series 4.5-5.5 ton internal combustion forklift is UN Forklift' s latest innovation, designed to deliver superior performance, durability, and operator comfort. Built for heavy-duty applications, this new model combines advanced engineering with a robust structure to handle demanding material handling tasks with ease.



CE CERTIFICATE



ISO14001 2004



ISO9001 2004

## HIGH PERFORMANCE

- Equipped Mitsubishi & Kubota engines, featuring low emissions, high performance and durability.
- Equipped with a high-speed ratio floating transmission to enhance driving speed and improve work efficiency.



- The dual-pump flow merging system enhances work efficiency and reduces energy loss.



- Multifunctional color display for real-time monitoring.



- New-generation high-efficiency, energy-saving integrated LED lighting system.



- Load sensing system enhances operational efficiency.

- The integrated large turning cast steering axle increases axle strength by 30%, ensuring greater durability and reducing the turning radius.

## HIGH PERFORMANCE

## SUPERIOR ERGONOMICS



## SAFETY & RELIABILITY

## EASY MAINTENANCE

## SUPERIOR ERGONOMICS

- The adjustable steering column equip with a small steering wheel for more effortless operation.
- The integrated wide-view mast provides a broader vision (Triplex Mast).



- The steering axle features rubber damping to absorb impacts and improve ride smoothness.
- Four shock-absorbing mounts are used to reduce overall vehicle vibration and enhance driving comfort.

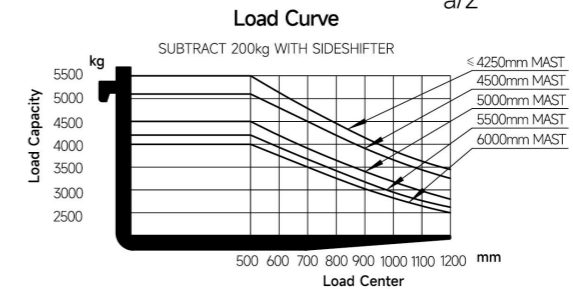
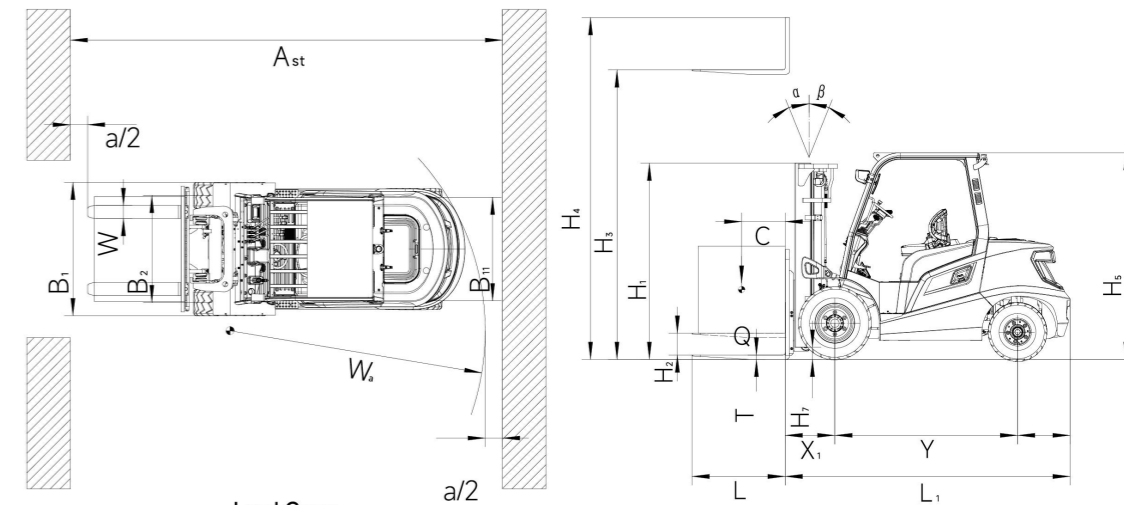
- Enlarged operation space.

- The ratchet type handbrake, effectively reducing operating force.

- Suspended pedal-type braking system achieves smooth braking and reduce vibrations.



- Equipped with an armrest box featuring a document holder.



## MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type                        | Mast Name | Max. Fork Height (mm) | Load capacity (kg) |               |               | Overall Height (mm) |      |                  |               | Free Lift (mm)   |               |               |      | Tilt Angle | Total weight(kg) |      |      |      |      |
|----------------------------------|-----------|-----------------------|--------------------|---------------|---------------|---------------------|------|------------------|---------------|------------------|---------------|---------------|------|------------|------------------|------|------|------|------|
|                                  |           |                       |                    |               |               | Lowered             |      | Extended         |               | Without Backrest |               | With Backrest |      |            |                  |      |      |      |      |
|                                  |           |                       | 4.5t               | 5.0t          | 5.5t          | 4.5-5.0t            | 5.5t | Without Backrest | With Backrest | Without Backrest | With Backrest | 4.5t          | 5.0t |            | 5.5t             |      |      |      |      |
| Wide View Mast                   | RM250     | 2500                  | 4500               | 5000          | 5500          | 1990                | 3392 | 3758             | 130           | 135              | 130           | 135           | 6/12 | 6450       | 6860             | 7220 |      |      |      |
|                                  | RM300     | 3000                  | 4500               | 5000          | 5500          | 2240                | 3892 | 4258             | 130           | 135              | 130           | 135           | 6/12 | 6510       | 6920             | 7280 |      |      |      |
|                                  | RM330     | 3300                  | 4500               | 5000          | 5500          | 2390                | 4192 | 4558             | 130           | 135              | 130           | 135           | 6/12 | 6545       | 6955             | 7315 |      |      |      |
|                                  | RM350     | 3500                  | 4500               | 5000          | 5500          | 2490                | 4392 | 4758             | 130           | 135              | 130           | 135           | 6/12 | 6570       | 6980             | 7340 |      |      |      |
|                                  | RM370     | 3700                  | 4500               | 5000          | 5500          | 2590                | 4592 | 4958             | 130           | 135              | 130           | 135           | 6/12 | 6590       | 7000             | 7360 |      |      |      |
|                                  | RM400     | 4000                  | 4500               | 5000          | 5500          | 2790                | 4892 | 5258             | 130           | 135              | 130           | 135           | 6/12 | 6720       | 7130             | 7490 |      |      |      |
|                                  | RM425     | 4250                  | 4500               | 5000          | 5500          | 2915                | 5142 | 5508             | 130           | 135              | 130           | 135           | 6/6  | 6745       | 7155             | 7515 |      |      |      |
|                                  | RM450     | 4500                  | 4300<br>*4500      | 4700<br>*5000 | 5200<br>*5500 | 3040                | 5392 | 5758             | 130           | 135              | 130           | 135           | 6/6  | 6775       | 7185             | 7545 |      |      |      |
|                                  | RM475     | 4750                  | 4200<br>*4500      | 4700<br>*5000 | 5000<br>*5500 | 3165                | 5642 | 6008             | 130           | 135              | 130           | 135           | 6/6  | 6805       | 7215             | 7575 |      |      |      |
|                                  | RM500     | 5000                  | 4000<br>*4200      | 4250<br>*4600 | 4500<br>*5000 | 3290                | 5892 | 6258             | 130           | 135              | 130           | 135           | 6/6  | 6835       | 7245             | 7605 |      |      |      |
| RM550                            | 5500      | 3600<br>*4000         | 4000<br>*4200      | 4200<br>*4500 | 3590          | 6392                | 6758 | 130              | 135           | 130              | 135           | 6/6           | 6985 | 7395       | 7755             |      |      |      |      |
| RM600                            | 6000      | *3600                 | *3800              | *4000         | 3840          | 6892                | 7258 | 130              | 135           | 130              | 135           | 6/6           | 7045 | 7455       | 7815             |      |      |      |      |
| 3-Stage Full Free Wide View Mast | TRM400    | 4000                  | 4350<br>*4500      | 4800<br>*5000 | 5300<br>*5500 | 2080                | 2130 | 4892             | 4941          | 5258             | 5423          | 1268          | 1279 | 1268       | 1279             | 6/6  | 6740 | 7150 | 7510 |
|                                  | TRM435    | 4350                  | 4350<br>*4500      | 4800<br>*5000 | 5300<br>*5500 | 2190                | 2240 | 5242             | 5291          | 5608             | 5773          | 1378          | 1389 | 1378       | 1389             | 6/6  | 6770 | 7180 | 7540 |
|                                  | TRM450    | 4500                  | 4350<br>*4500      | 4800<br>*5000 | 5300<br>*5500 | 2240                | 2290 | 5392             | 5441          | 5758             | 5923          | 1428          | 1439 | 1428       | 1439             | 6/6  | 6785 | 7195 | 7555 |
|                                  | TRM470    | 4700                  | 4000<br>*4200      | 4500<br>*4800 | 5000<br>*5000 | 2305                | 2355 | 5592             | 5641          | 5958             | 6123          | 1493          | 1504 | 1493       | 1504             | 6/6  | 6810 | 7220 | 7580 |
|                                  | TRM500    | 5000                  | 3800<br>*4000      | 4200<br>*4500 | 4500<br>*4800 | 2440                | 2490 | 5892             | 5941          | 6258             | 6423          | 1628          | 1639 | 1628       | 1639             | 6/6  | 6850 | 7260 | 7620 |
|                                  | TRM540    | 5400                  | 3400<br>*3700      | 3800<br>*4200 | 4200<br>*4500 | 2590                | 2640 | 6292             | 6341          | 6658             | 6823          | 1778          | 1789 | 1778       | 1789             | 6/6  | 6900 | 7310 | 7670 |
| TRM600                           | 6000      | *3400                 | *3800              | *4000         | 2790          | 2840                | 6892 | 6941             | 7258          | 7423             | 1978          | 1989          | 1978 | 1989       | 6/6              | 7040 | 7450 | 7810 |      |

(Asterisk)is for double front wheels model.

## SAFETY & RELIABILITY

- The stamped OHG offers increased durability and reliability.
- All key connectors and joints are waterproof.
- The OPS (optional) system effectively prevents unintended forklift startup.



## EASY MAINTENANCE

- 80° engine hood opening angle.
- Pin-mounted front and rear floor plates.
- The rear counterweight cover provides easy access for radiator maintenance.
- Detachable left and right side panels.