

■ Mast Specifications of 4.0T/4.5T/5.0T Heavy Duty Diesel Forklift

2-Stage High-visibility Mast

| Mast Model | Max. Lift Height | Lifting Capacity at Load Center 500mm |             |             |             |             |             | Overall Mast Height |                        | Free lift height |               | Mast Angle |
|------------|------------------|---------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|------------------------|------------------|---------------|------------|
|            |                  | 4T                                    |             | 4.5T        |             | 5T          |             | 4-5T                |                        | 4-5T             |               | 4-5T       |
|            |                  | Single tyre                           | Double tyre | Single tyre | Double tyre | Single tyre | Double tyre | Lowered             | Extended With backrest | Without backrest | With backrest | Front/Rear |
| Mm         | Kg               | Kg                                    | Kg          | Kg          | Kg          | Kg          | Mm          | Mm                  | Mm                     | Mm               | °             |            |
| M260       | 2600             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2180                | 3865                   | 150              | 150           | 6/12       |
| M300       | 3000             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2380                | 4265                   | 150              | 150           | 6/12       |
| M330       | 3300             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2530                | 4565                   | 150              | 150           | 6/12       |
| M350       | 3500             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2630                | 4765                   | 150              | 150           | 6/12       |
| M370       | 3700             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2730                | 4965                   | 150              | 150           | 6/12       |
| M375       | 3750             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2755                | 5015                   | 150              | 150           | 6/12       |
| M400       | 4000             | 3800                                  | //          | 4350        | //          | 4600        | //          | 2930                | 5265                   | 150              | 150           | 6/6        |
| M425       | 4250             | 3800                                  | 4000        | 4350        | 4500        | 4600        | 5000        | 3055                | 5515                   | 150              | 150           | 6/6        |
| M450       | 4500             | 3500                                  | 4000        | 4000        | 4500        | 4500        | 4800        | 3180                | 5765                   | 150              | 150           | 6/6        |
| M475       | 4750             | 3400                                  | 4000        | 3800        | 4500        | 4300        | 4800        | 3305                | 6015                   | 150              | 150           | 6/6        |
| M500       | 5000             | 3100                                  | 3700        | 3600        | 4300        | 4000        | 4600        | 3430                | 6265                   | 150              | 150           | 6/6        |

2-Stage Full Free Mast

| Mast Model | Max. Lift Height | Lifting Capacity at Load Center 500mm |             |             |             |             |             | Overall Mast Height |                        | Free lift height |               | Mast Angle |
|------------|------------------|---------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|------------------------|------------------|---------------|------------|
|            |                  | 4T                                    |             | 4.5T        |             | 5T          |             | 4-5T                |                        | 4-5T             |               | 4-5T       |
|            |                  | Single tyre                           | Double tyre | Single tyre | Double tyre | Single tyre | Double tyre | Lowered             | Extended With backrest | Without backrest | With backrest | Front/Rear |
| Mm         | Kg               | Kg                                    | Kg          | Kg          | Kg          | Kg          | Mm          | Mm                  | Mm                     | Mm               | °             |            |
| 2FFM261    | 2610             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2185                | 3880                   | 1290             | 960           | 6/12       |
| 2FFM271    | 2710             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2235                | 3980                   | 1340             | 1010          | 6/12       |
| 2FFM300    | 3000             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2380                | 4270                   | 1485             | 1155          | 6/12       |
| 2FFM330    | 3300             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2530                | 4570                   | 1635             | 1305          | 6/12       |
| 2FFM350    | 3500             | 4000                                  | //          | 4500        | //          | 5000        | //          | 2630                | 4770                   | 1735             | 1405          | 6/12       |
| 2FFM375    | 3750             | 3800                                  | //          | 4350        | //          | 4600        | //          | 2755                | 5020                   | 1860             | 1530          | 6/6        |
| 2FFM400    | 4000             | 3800                                  | 4000        | 4350        | 4500        | 4600        | 5000        | 2880                | 5270                   | 1985             | 1655          | 6/6        |

3-Stage Full Free Mast

| Mast Model | Max. Lift Height | Lifting Capacity at Load Center 500mm |             |             |             |             |             | Overall Mast Height |                        | Free lift height |               | Mast Angle |
|------------|------------------|---------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|------------------------|------------------|---------------|------------|
|            |                  | 4T                                    |             | 4.5T        |             | 5T          |             | 4-5T                |                        | 4-5T             |               | 4-5T       |
|            |                  | Single tyre                           | Double tyre | Single tyre | Double tyre | Single tyre | Double tyre | Lowered             | Extended With backrest | Without backrest | With backrest | Front/Rear |
| Mm         | Kg               | Kg                                    | Kg          | Kg          | Kg          | Kg          | Mm          | Mm                  | Mm                     | Mm               | °             |            |
| 3FFM392    | 3920             | 3900                                  | //          | 4400        | //          | 4800        | //          | 2245                | 5185                   | 1328             | 1020          | 6/6        |
| 3FFM425    | 4250             | 3800                                  | //          | 4300        | //          | 4700        | //          | 2390                | 5620                   | 1473             | 1165          | 6/6        |
| 3FFM450    | 4500             | 3500                                  | //          | 4000        | //          | 4500        | //          | 2441                | 5773                   | 1524             | 1216          | 6/6        |
| 3FFM470    | 4700             | 3400                                  | //          | 3800        | //          | 4200        | //          | 2507                | 5971                   | 1590             | 1282          | 6/6        |
| 3FFM480    | 4800             | 3400                                  | 3700        | 3800        | 4200        | 4200        | 4600        | 2540                | 6070                   | 1623             | 1315          | 6/6        |
| 3FFM500    | 5000             | 3000                                  | 3600        | 3300        | 4100        | 3800        | 4500        | 2640                | 6270                   | 1723             | 1415          | 6/6        |
| 3FFM540    | 5400             | 2800                                  | 3400        | 3000        | 3900        | 3400        | 4300        | 2765                | 6665                   | 1848             | 1540          | 3/6        |
| 3FFM600    | 6000             | 2000                                  | 3200        | 2200        | 3500        | 2500        | 4000        | 3005                | 7265                   | 2088             | 1780          | 3/6        |

Note: 1. All those data is the standard work data, and can be changed due to the work influence.  
2. With sideshifter minus 200kg, with integral sideshifter minus 100kg.

Optional Equipment and Accessories

- 2.6-5.0m duplex mast
- 2.6-4.0m full free duplex mast
- 3.9-6.0m full free triplex mast
- Special carriage and backrest
- Other dimension forks
- Dual drive wheel with fender
- Super elastic tyre
- Colored tyre (white,green)
- Cabin
- Heater and air condition
- Fire extinguisher
- Semi-suspension seat or full-suspension seat
- Dual air cleaner or full-suspension seat

- Rear working light
- Custom color paint
- Auxiliary hydraulic valve modules
- High-mounted exhaust system
- Middle-mounted exhaust system
- Anti-fire spark exhaust system
- Diesel exhaust das purifier
- 3-way catalytic muffler
- Radiator screen
- Sideshifter
- Integrated sideshifter
- Other attachment
- LPG fuel system (single, dual)



L Series

Heavy Duty Diesel Forklift

ISO9001  
CE



- Rated capacity: 4.0T/4.5T/5.0T
- Strict environment protection design
- Reliable special designed instrument
- Scientific ergonomic application
- Suitable for working in the container

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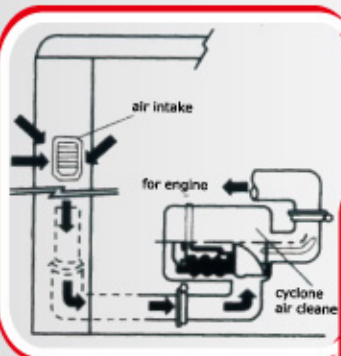
### 4.0/4.5/5.0T Heavy Duty Diesel Forklift Truck

- The key parts adopt Japanese technology and are manufactured at home, so the complete machine holds excellent capacity.
- The main parts are fairly general, which can reduce greatly the cost of spare parts when the customers choose the variety of our forklifts.
- The direct injection engine is allocated with advanced sorts of performance indexes, which is of low fuel consumption and is easy to start.
- The transmission system is made of hydrodynamic torque converter, turbine and impeller blade made by imported Japanese technology through stamping and braze welding. The turbine and the piece of impeller are welded by adopting the punch brazing and the crust is overall welded. Thus, it is efficient and credible in the work without leaking of oil. The hydraulic transmission box, gearshift valve and inching valve are of compact structure, which is in possession of features such as balance start, stepless speed regulation, and good performance of jiggle and acceleration.
- The frame, mast, overhead guard, and instrument stand are all made in matrix and are very reliable.
- Numeric meter is fixed for supervising the oil level, oil temperature; it has in-time warning function. With the sedan lights, it is very elegant.
- Ventilation and heat insulation unit is fixed between the hydraulic oil tank and muffler, resulting well control of the oil temperature.
- High visibility mast, multi-stage mast, and many attachments like sidershifters can meet different requirement of different customers.
- Adopting vacuum brake, hydraulic gear-box, four-cylinder engine, it features easy operation, good micro-move capacity, powerful, easy to maintain and low cost.
- The steering system applies full hydraulic pressure steering gear. The transverse oil tank and the steering axle with isolation properties combine together so that the steering is smart, the structure is compact and the repair is convenient.
- The pipeline is sealed with adoption of high quality 60o cone, which is convenient and credible. Hydraulic pressure multiplexing reversing valve is with fore-pitch automatic closedown device.

### Features:

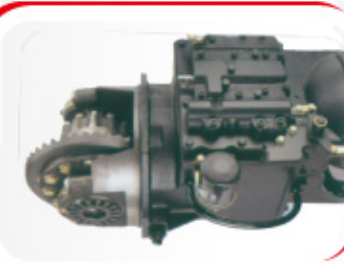
#### Ergonomics, Safe, Smart, powerful, Comfortable, Durable

- New ergonomic design, adaptation to various kinds of operation environments and places.
- Increased distance of center of wheelbase, more stable and firm.



### The Large Intake Area of Air Intake System

The snorkel air intake is situated on one of the pillars for the overhead guard, which is far from the dust being created by the wheels. It breathes in the clean air and reduces the noise.



### Transmission

New design for the automatic gear-shift control lever: Exclusive design for high and low gear speed provides you convenience that you can choose different power type according to the working place. It can increase your working efficiency; High and low gear speed for both the fore and reverse gear.



### Wide Eyesight Design and Wide View Mast

Wide operation room, conforming to ergonomics and adjustable seat, lets the operator not feel fatigued even after long period of working. The wide view mast gives the driver greater visibility to the front and increases the advantage of operation.



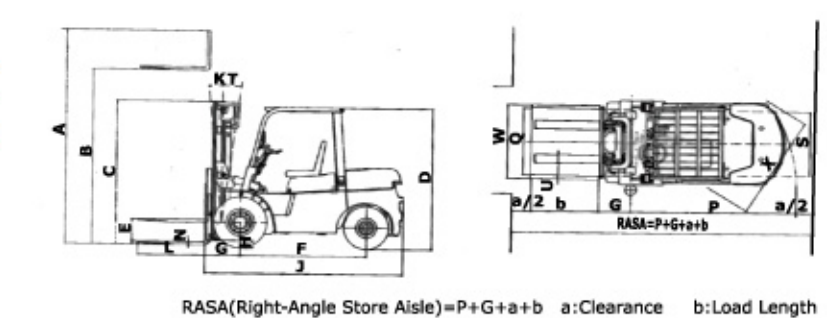
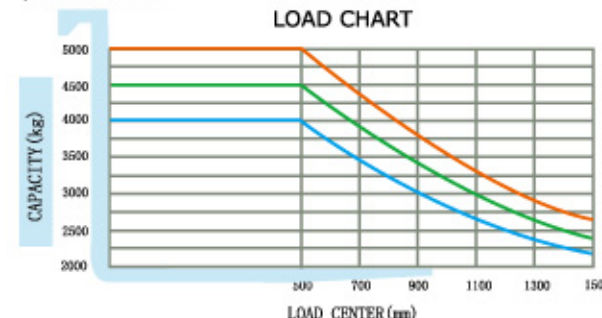
### Strict Environment Protection and Scientific Ergonomic

Thicken insulator on the inner surface and the rubber edging can absorb vibration and reduce noise. The operation space has been efficiently enlarged. The rough feeling of the driver has been reduced to the lowest extends.

### L Series 4.0T/4.5T/5.0T Heavy Duty Diesel Forklift Specifications

| General                                   |  | SINOLIFT               |              |                            |               |              |                               |               |              |              |       |
|---|--|------------------------|--------------|----------------------------|---------------|--------------|-------------------------------|---------------|--------------|--------------|-------|
|   |  | CPCD40-L               | CPCD45-L     | CPCD50-L                   | CPCD40-LF     | CPCD45-LF    | CPCD50-LF                     |               |              |              |       |
| Manufacture                               |  |                        |              |                            |               |              |                               |               |              |              |       |
| Model                                     |  |                        |              |                            |               |              |                               |               |              |              |       |
| Power type                                |  | Diesel                 |              |                            |               |              |                               |               |              |              |       |
| Rated capacity                            |  | kg                     | 4000         | 4500                       | 5000          | 4000         | 4500                          | 5000          |              |              |       |
| Load center                               |  | mm                     | 500          | 500                        | 500           | 500          | 500                           | 500           |              |              |       |
| Lift height                               |  | B mm                   | 3000         | 3000                       | 3000          | 3000         | 3000                          | 3000          |              |              |       |
| Free lift height                          |  | E mm                   | 150          | 150                        | 150           | 150          | 150                           | 150           |              |              |       |
| Fork size                                 |  | LxUxN mm               | 1070x150x55  | 1070x150x55                | 1070x150x55   | 1070x150x55  | 1070x150x55                   | 1070x150x55   |              |              |       |
| Fork spread outside                       |  | Min./Max. mm           | 300/1200     | 300/1200                   | 300/1200      | 300/1200     | 300/1200                      | 300/1200      |              |              |       |
| Mast tilt angle                           |  | K/T deg                | 6°/12°       | 6°/12°                     | 6°/12°        | 6°/12°       | 6°/12°                        | 6°/12°        |              |              |       |
| Front overhang                            |  | G mm                   | 562          | 562                        | 562           | 562          | 562                           | 562           |              |              |       |
| Overall dimensions                        |  | Length to face of fork | J mm         | 3091                       | 3091          | 3125         | 3091                          | 3091          | 3125         |              |       |
|   |  | Length with fork       | mm           | 4182                       | 4182          | 4216         | 4182                          | 4182          | 4215         |              |       |
|   |  | Overall width          | W mm         | 1485                       | 1485          | 1485         | 1480                          | 1480          | 1480         |              |       |
|   |  | Wheel width            | mm           | 1465                       | 1465          | 1465         | 1465                          | 1465          | 1465         |              |       |
|   |  | Mast lowered height    | C mm         | 2380                       | 2380          | 2380         | 2380                          | 2380          | 2380         |              |       |
| Turning radius                            |  | Mast extended height   | A mm         | 4250                       | 4250          | 4250         | 4250                          | 4250          | 4250         |              |       |
|   |  | Overhead guard height  | D mm         | 2290                       | 2290          | 2290         | 2290                          | 2290          | 2290         |              |       |
| Turning radius                            |  | P mm                   | 2790         | 2790                       | 2790          | 2790         | 2790                          | 2830          |              |              |       |
| Min. right angle aisle width              |  | mm                     | 3415         | 3415                       | 3460          | 3415         | 3415                          | 3460          |              |              |       |
| Performance                               |  | No load/full load      | Travel speed | Forward I                  | km/h          | 15/14        | 15/14                         | 15/14         | 15/14        | 15/14        | 15/14 |
|   |  |                        |              | Forward II                 | km/h          | 22/20        | 22/20                         | 22/20         | 22/20        | 22/20        | 22/20 |
|   |  |                        |              | Backward I                 | km/h          | 15/14        | 15/14                         | 15/14         | 15/14        | 15/14        | 15/14 |
|   |  | Lift speed             | mm/sec       | 480/450                    | 480/450       | 480/430      | 480/450                       | 480/450       | 480/430      |              |       |
| Max. gradeability                         |  | %                      | 20/19        | 18/17                      | 17/16         | 20/19        | 18/17                         | 17/16         |              |              |       |
| Max. drawbar pull                         |  | KN                     | 21           | 21                         | 21            | 21           | 21                            | 21            |              |              |       |
| Self weight                               |  | kg                     | 6450         | 6770                       | 7050          | 6450         | 6770                          | 7050          |              |              |       |
| Wheel & Tire                              |  | Tires                  | Front        |                            | 300-15-18PR   | 300-15-18PR  | 300-15-18PR                   | 300-15-18PR   | 300-15-18PR  | 300-15-18PR  |       |
|   |  |                        | Rear         |                            | 7.00-12-12PR  | 7.00-12-12PR | 7.00-12-12PR                  | 7.00-12-12PR  | 7.00-12-12PR | 7.00-12-12PR |       |
|   |  | Tread                  | Front        | Q mm                       | 1180          | 1180         | 1180                          | 1180          | 1180         | 1180         |       |
|   |  |                        | Rear         | S mm                       | 1190          | 1190         | 1190                          | 1190          | 1190         | 1190         |       |
| Wheelbase                                 |  | F mm                   | 2000         | 2000                       | 2000          | 2000         | 2000                          | 2000          |              |              |       |
| Min. ground clearance (no load/full load) |  | Mast                   | H mm         | 175/145                    | 175/145       | 175/145      | 175/145                       | 175/145       | 175/145      |              |       |
|   |  |                        | Frame        | mm                         | 190/180       | 190/180      | 190/180                       | 190/180       | 190/180      | 190/180      |       |
| Operating pressure                        |  | Mpa                    | 17           | 17                         | 18            | 17           | 17                            | 18            |              |              |       |
| Battery                                   |  | V/AH                   | 2-12V/80AH   | 2-12V/80AH                 | 2-12V/80AH    | 2-12V/80AH   | 2-12V/80AH                    | 2-12V/80AH    |              |              |       |
| Drive units & control                     |  | Apply to truck model   |              | CPCD40-L/CPCD45-L/CPCD50-L |               |              | CPCD40-LF/CPCD45-LF/CPCD50-LF |               |              |              |       |
|   |  | Model                  |              | ISUZU A-6BG1QC-05          |               |              | WEIFANG R4105G25              |               |              |              |       |
|   |  | Rated output           |              | kw/rpm                     | 68/2000       |              |                               | 59/2300       |              |              |       |
|   |  | Rated torque           |              | N.m/rpm                    | 340/1400~1600 |              |                               | 280/1600~1800 |              |              |       |
|   |  | No. of cylinder        |              |                            | 6             |              |                               | 4             |              |              |       |
|   |  | Bore x stroke          |              | mm                         | 105x125       |              |                               | 105x120       |              |              |       |
|   |  | Displacement           |              | cc                         | 6494          |              |                               | 4156          |              |              |       |
| Fuel tank capacity                        |  | L                      | 90           |                            |               | 90           |                               |               |              |              |       |
| Transmissions                             |  | Type                   |              | Hydraulic                  |               |              | Hydraulic                     |               |              |              |       |
|   |  | Shift                  |              | Front/rear                 |               |              | 2/1                           |               |              |              |       |

1. Special lifting height available.  
2. Attachment available.  
3. The specification in the table are for standard models only. All specifications indicated are subject to a variation of ± 15%, and may be further affected by operation conditions, optional fittings and accessories. Critical specification should be confirmed before placement of order. Specification are subject to change without notice, for further information, please contact us.



**Notice:** Vertical axis stands for load capacity while horizontal axis stands for load center, load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down, if mast lifts forward, using non-standard forks or loading goods with extra width. Please refer the different load capacity between different load centers according to load chart.