

CONFIGURATION

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Overhead Guard (12T)              | Adjustable Steering Column            |
| Cabin with Electric Fan(16T)      | High Level Exhaust                    |
|                                   | Rear Working Lamp                     |
|                                   | Working Warning Light                 |
| Pedal Rubber                      | Oil Pressure Warning                  |
| Suspension Seat                   | Electric Horn                         |
| Automatic Shift                   | LED Signal Lamp                       |
| Electro-hydraulic Reversing       | Lifting/Tilting/Positioning Joysticks |
| Wide Field Mast (2 Stage)         | Full-hydraulic Power Steering         |
| Fork Positioner (12T/135/160DT-A) | Tilting Cylinder Latching Valve       |
| Sideshift & Positioner (160DT-B)  | Transmission Oil Filter               |
| Combination Instrument            | Hydraulic Return Filter               |
| Working Hour Meter                | Push-button Parking Brake             |
| Oil Content Meter                 | Driving OPS (12T)                     |
| Water-thermometer                 |                                       |
| Key Shutoff Device                | Traction Pin                          |
| Neutral Position Switch           | Tool Box                              |
| Power Master Switch               |                                       |

OPTIONAL

|                                        |                            |
|----------------------------------------|----------------------------|
| Cabin(12T)                             | Solid Tires                |
| A/C(12T/16T)                           | Oil Bath Air Filter(16T)   |
| Rear Camera(16T)                       | Sound-light Alarm          |
| Warm-air Blower                        | Fire Extinguishing Muffler |
| Front Windscreen                       | Lengthen Fork Jacket       |
| Torque Converter Oil Temperature Alarm | Tilting Cylinder Sleeve    |
|                                        | Steering Cylinder Sleeve   |
| Overspeed Alarm,10km/h                 | Custom Colors              |
| Electric Fan(12T)                      | Multiple Work Attachments  |
| Full Set LED Lamps                     |                            |

PRODUCT FEATURES

|                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Good Heat Dissipation<br>Cooling system is reasonable optimizaed, which improves cooling performance significantly.Thus improving reliability and durability of key components such as gearbox and engine.                                           |
| Lowering Energy Consumption<br>Optimized design of hydraulic system. Adopt domestic or foreign mature hydraulic parts, reduce fuel consumption.                                                                                                      |
| Operating Comfort<br>Adopted interactive ergonomic design to improve operating comfort. Equipped with wide field of view mast to improve driver's field of view. Multiplex valve of 16T adopt pilot control. Mast has good final motion performance. |
| Intelligent Reversing<br>Electro-hydraulic Reversing System. Easy to operate and labor-saving. Intelligent shift system prevent the second gear starting, ensure reliability of gearbox.                                                             |
| Convenient Maintenance<br>Interior space of car body is more spacious Parts Positions are more reasonable.<br>ZF and DANA gearboxes adopt TCU control with fault diagnosis to simplify maintenance. (LG160DT-B)                                      |
| High Reliability<br>Strength of the core structural parts of car body, mast and hood has been enhanced greatly to make whole vehicle more solid.                                                                                                     |

For more information on Lonking products,  
Please contact our local agent:

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Lonking 龙工

LG120DT/135DT/160DT(A)/160DT(B)  
BALANCEWEIGHT TYPE FORKLIFT TRUCK WITH ENGINE  
Efficiency Rules the Future



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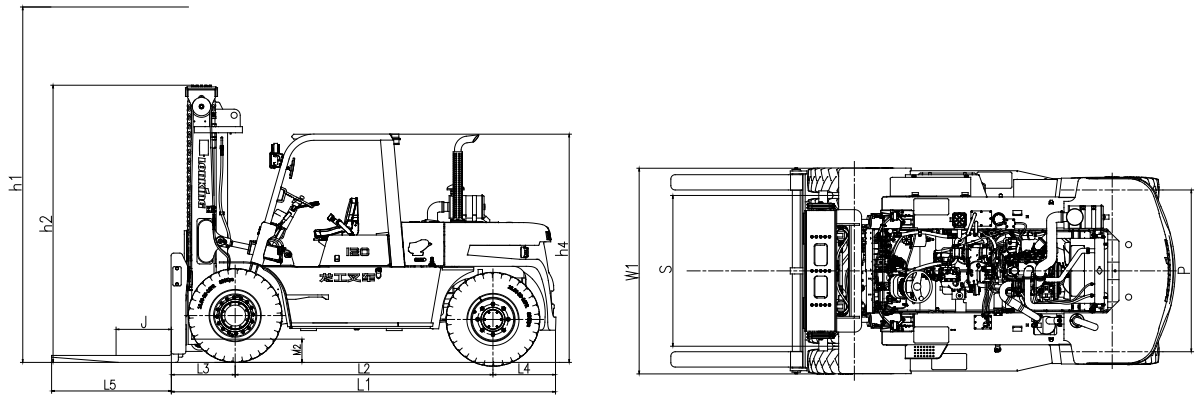
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|                     | LG120DT | LG135DT | LG160DT(A) | LG160DT(B) |
|---------------------|---------|---------|------------|------------|
| Rated Capacity (kg) | 12000   | 13500   | 16000      | 16000      |
| Load Center (mm)    | 600     | 600     | 900        | 1200       |
| Power Type          | Diesel  | Diesel  | Diesel     | Diesel     |

OVERALL SPECIFICATIONS

| Type           | No.  | Item                                           | Code  | Unit | Data                        |                    |                               |                |
|----------------|------|------------------------------------------------|-------|------|-----------------------------|--------------------|-------------------------------|----------------|
| Identification | 1.01 | Manufacturer                                   |       |      | LONKING                     |                    |                               |                |
|                | 1.02 | Model                                          |       |      | LG120DT                     | LG135DT            | LG160DT(A)                    | LG160DT(B)     |
|                | 1.03 | Power type                                     |       |      | Diesel                      |                    |                               |                |
|                | 1.04 | Rated capacity                                 | Q     | kg   | 12000                       | 13500              | 16000                         | 16000          |
|                | 1.05 | Load center                                    | J     | mm   | 600                         | 600                | 900                           | 1200           |
| Dimensions     | 2.01 | STD Max height (with backrest)                 |       | mm   | 4668                        | 4700               | 5425                          | 5685           |
|                | 2.02 | STD Max lifting height                         | h1    | mm   | 3000                        | 3000               | 3500                          | 4000           |
|                | 2.03 | Overhead guard height                          | h4    | mm   | 2610                        | 2974               | 3566                          | 3262           |
|                | 2.04 | Overall length (with fork)                     | L1    | mm   | 5945                        | 6712               | 7410                          | 7870           |
|                | 2.05 | Wheelbase                                      | L2    | mm   | 2950                        | 3250               | 3800                          | 3750           |
|                | 2.06 | Front overhang                                 | L3    | mm   | 755                         | 785                | 968                           | 925            |
|                | 2.07 | Rear overhang                                  | L4    | mm   | 720                         | 857                | 840                           | 795            |
|                | 2.08 | Min.ground clearance (Frame/Mast)              | m1/m2 | mm   | 360/266                     | 280/276            | 330/330                       | 250/250        |
|                | 2.09 | Overall width                                  | W1    | mm   | 2350                        | 2740               | 2752                          | 2560           |
|                | 2.10 | Adjusting range of fork (outside)              |       | mm   | 470-2200                    | 470-2380           | 580-2214                      | 900-2340       |
|                | 2.11 | STD Fork size (L5*W*T)                         |       | mm   | 1520×200×85                 | 1820×200×85        | 1820×220×100                  | 2400×250×100   |
|                | 2.12 | Front wheel tread                              | S     | mm   | 1724                        | 2068               | 1895                          | 1878           |
|                | 2.13 | Rear wheel tread                               | P     | mm   | 1850                        | 2120               | 2120                          | 2120           |
|                | 2.14 | Min.turning radius                             | R1    | mm   | 4300                        | 4500               | 5300                          | 5175           |
|                | 2.15 | Min aisle width for pallet 1000×1200,crossways |       | mm   | 6775                        | 7300               | 8288                          | 8700           |
|                | 2.16 | Min aisle width for pallet 800×1200,lengthways |       | mm   | 6775                        | 7300               | 8288                          | 8700           |
| Tires          | 3.01 | Wheels number, front/rear (X=driven wheels)    |       |      | X=4/2                       |                    |                               |                |
|                | 3.02 | Tires type                                     |       |      | Pneumatic                   |                    |                               |                |
|                | 3.03 | Tires size, front                              |       |      | 10.00-20-16PR               | 11.00-20-18PR      | 12.00-24-20PR                 | 12.00-24-20PR  |
|                | 3.04 | Tires size, rear                               |       |      | 10.00-20-16PR               | 11.00-20-18PR      | 12.00-24-20PR                 | 12.00-24-20PR  |
| Other Details  | 4.01 | Max.traveling speed, loaded/unloaded           |       | km/h | 25/27                       | 25/27              | 22/27                         | 26/29          |
|                | 4.02 | Max.lifting speed, loaded/unloaded             |       | mm/s | 350/370                     | 360/400            | 280/300                       | 320/360        |
|                | 4.03 | Lowering speed, loaded/unloaded                |       | mm/s | 350/310                     | 410/320            | 410/320                       | 360/310        |
|                | 4.04 | Max.traction, loaded                           |       | KN   | 85                          | 85                 | 110                           | 130            |
|                | 4.05 | Max.gradient, loaded/unloaded                  |       | %    | 25/20                       | 25                 | 20                            | 28/25          |
|                | 4.06 | STD operating weight (with oil & water)        |       | kg   | 15300                       | 18000              | 23500                         | 24000          |
|                | 4.07 | Axles loading,front/rear (loaded)              |       | kg   | 24900/2400                  | 36500/3000         | 36500/3000                    | 37200/2800     |
|                | 4.08 | Axles loading,front/rear (unloaded)            |       | kg   | 7200/8100                   | 10500/13000        | 10500/13000                   | 11700/12300    |
|                | 4.09 | Service brake                                  |       |      | Gas push oil-pedal          |                    | Wet brake-pedal               |                |
|                | 4.10 | Parking brake                                  |       |      | Mechanical-hand brake lever |                    | Hydraulic release-push-button |                |
|                | 4.11 | Drive type                                     |       |      | Hydraulic gearbox           | Electrical gearbox | Electrical gearbox            | Automatic-DANA |
|                | 4.12 | Number of gear (front/rear)                    |       |      | 2/2                         | 2/2                | 2/1                           | 3/3            |
|                | 4.13 | Fuel tank capacity                             |       | L    | 200                         | 200                | 300                           | 250            |
|                | 4.14 | Battery votage/capacity                        |       | V/Ah | 2×12/90                     | 2×12/90            | 2×12/120                      | 2×12/120       |



MAST SPECIFICATIONS

| 2 Stage Standard Mast-Super Wide Field |                           |                                            |       |        |        |                             |       |        |        |                         |                   |      |       |        |
|----------------------------------------|---------------------------|--------------------------------------------|-------|--------|--------|-----------------------------|-------|--------|--------|-------------------------|-------------------|------|-------|--------|
| Mast Model                             | h1 Max Lifting Height(mm) | Load Capacity (Load centers see parameter) |       |        |        | h2 Lowered Mast Height (mm) |       |        |        | Free Lifting Height(mm) | Mast tilt α/β (°) |      |       |        |
|                                        |                           | 12T                                        | 13.5T | 16T(A) | 16T(B) | 12T                         | 13.5T | 16T(A) | 16T(B) |                         | All               | 12T  | 13.5T | 16T(A) |
| M300                                   | 3000                      | 12000                                      | 13500 | 16000  | 16000  | 3168                        | 3200  | 3425   | 3185   | /                       | 6/12              | 6/12 | 5/10  | /      |
| M330                                   | 3300                      | 12000                                      | /     | 16000  | /      | 3318                        | /     | 3575   | /      | /                       | 6/12              | /    | /     | /      |
| M350                                   | 3500                      | 12000                                      | 13500 | 16000  | 16000  | 3418                        | 3450  | 3675   | 3435   | /                       | 6/12              | 6/12 | 5/10  | 5/10   |
| M370                                   | 3700                      | 12000                                      | /     | 16000  | /      | 3518                        | /     | 3775   | /      | /                       | 6/12              | /    | /     | /      |
| M400                                   | 4000                      | 12000                                      | 13500 | 16000  | 16000  | 3668                        | 3700  | 3925   | 3685   | /                       | 6/12              | 6/12 | 5/10  | 5/10   |
| M450                                   | 4500                      | 11500                                      | 13500 | 15500  | 15500  | 3968                        | 3950  | 4225   | 3935   | /                       | 6/6               | 6/12 | 5/10  | 5/10   |
| M500                                   | 5000                      | 11000                                      | 13500 | 15000  | 15000  | 4218                        | 4200  | 4475   | 4185   | /                       | 6/6               | 3/6  | 5/6   | 5/6    |
| M550                                   | 5500                      | 10500                                      | 12500 | 14500  | 14500  | 4498                        | 4450  | 4755   | 4435   | /                       | 6/6               | 3/6  | 3/6   | 3/6    |
| M600                                   | 6000                      | 10000                                      | 11500 | 14000  | 14000  | 4748                        | 4700  | 5005   | 4685   | /                       | 6/6               | 3/6  | 3/6   | 3/6    |

| LG120DT-3 Stage Free Mast-Super Free Lifting Height |                           |                              |                             |                                               |                   |
|-----------------------------------------------------|---------------------------|------------------------------|-----------------------------|-----------------------------------------------|-------------------|
| Mast Model                                          | h1 Max Lifting Height(mm) | Load Capacity (J=600mm) (kg) | h2 Lowered Mast Height (mm) | h3 Free Lifting Height, without backrest (mm) | Mast tilt α/β (°) |
| ZSM450                                              | 4500                      | 11500                        | 2845                        | 1575                                          | 6/6               |
| ZSM500                                              | 5000                      | 11000                        | 3025                        | 1755                                          | 6/6               |

ENGINE OPTIONAL

| Engine Optional |           |              |               |                      |                                    |                  |              |
|-----------------|-----------|--------------|---------------|----------------------|------------------------------------|------------------|--------------|
| Engine Model    | Emission  | Manufacturer | Rated Power   | Max.Torque (N.m/rpm) | Bore/Cylinders Number/Displacement | Fuel Consumption | Applicable   |
| CA6DF3-16GAG3U  | CHN III   | XICHA        | 118kW/2200rpm | 640/1300-1700        | 110/6/7.127                        | 230kg/kW.h       | LG120/1350DT |
| QSB4.5-C160     | Euro IIIA | CUMMINS      | 119kW/2200rpm | 624/1500             | 107/4/4.5                          | 230kg/kW.h       | LG120DT      |
| YC6J175-T302    | CHN III   | YUCHAI       | 129kW/2200rpm | 710/1400-1700        | 105/6/6.494                        | 230kg/kW.h       | LG160DT(A)   |
| WP6G190E330     | CHN III   | WEICHA       | 140kW/2200rpm | 760/1400-1600        | 105/6/6.75                         | 225kg/kW.h       | LG160DT(A)   |
| QSB6.7-C190     | Euro IIIA | CUMMINS      | 142kW/2300rpm | 930/1500             | 107/6/6.702                        | 230kg/kW.h       | LG160DT(B)   |
|                 |           |              |               |                      |                                    |                  |              |

