

# WTC ELECTRIC FORKLIFT TRUCK J Series

STATE-OF-THE-ART TECHNOLOGY - LOW PRICES!

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advantages + technical data*



WTC - BEST ERGONOMIC EQUIPMENT - AT LOWEST PRICES

# WTC J series Electric Forklift 4.0-5.0T

The distinctive features of the new 4-5t/8800-11000lb J series electric four-wheel forklift as follows:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <ul style="list-style-type: none"><li>• <i>Versatility of use due to compact design and minimal operating space requirements. Compact dimensions combined with superb maneuverability.</i></li><li>• <i>High stability, both when stationary and cornering, due to long wheelbase, low centre of gravity and widetyres.</i></li><li>• <i>Economy of operation, resulting from minimized maintenance costs, e.g. fully enclosed 3 phase AC asynchronous motors with high degree of efficiency maintenance free life.</i></li><li>• <i>New Multi-Display employed full dotted LCD is located on the steering column to improve visibility and manipulate-ability.</i></li><li>• <i>SOFT LANDING LIFT CYLINDER</i><br/><i>During lowering fork with no load, fork speed is reduced just before touching ground to avoid collision noise with ground. The operator and those working near the forklift will appreciate the reduced noise.</i></li><li>• <i>The adjustable steering Column ensures a comfortable working position.</i></li><li>• <i>Comfortable seat can be upgraded to a luxury semi suspension version.</i></li></ul> | <ul style="list-style-type: none"><li>• <i>The J series four-wheel truck has three independent braking systems:<br/>Regenerative braking system<br/>Hydraulic wet disc brake system<br/>Toggle-type parking brake.</i></li><li>• <i>Because you open and close the battery cover for daily checkup, access of battery cover is improved by using gas-spring with lock function.</i></li><li>• <i>AC Power System</i><br/><i>Multiple benefits of the AC Power System include: fast response to operating commands, precise power control, compact components. Moreover, since the AC motor does not use contactors and brushes, these maintenance items will no longer be required.</i></li><li>• <i>Operator will be able to feel the difference by the truck's New design and performance.</i></li></ul> |
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**TECHNICAL DATA**  
**J Series 4-5t/8800-11000 Electric Forklift Specification**

|               |                                        |                                           |       |                |                |                |
|---------------|----------------------------------------|-------------------------------------------|-------|----------------|----------------|----------------|
| Specification | Model                                  |                                           |       | CPD40JD1       | CPD45JD1       | CPD50JD1       |
|               | Rated capacity                         |                                           | kg    | 4000           | 4500           | 5000           |
|               | Load center                            |                                           | mm    | 500            | 500            | 500            |
|               | Lifting height                         |                                           | mm    | 3000           | 3000           | 3000           |
|               | Free lifting height                    |                                           | mm    | 150            | 150            | 150            |
|               | Fork size                              | s×e×l                                     | mm    | 50×150×1070    | 50×150×1070    | 50×150×1070    |
| Dimensions    | Tilting angle                          | F/R                                       | Deg   | 6/12           | 6/12           | 6/12           |
|               | Overall Dimension                      | Length to face of fork                    | mm    | 2965           | 3015           | 3015           |
|               |                                        | Width                                     | mm    | 1380           | 1380           | 1380           |
|               |                                        | Height when mast lowered                  | mm    | 2185           | 2185           | 2185           |
|               |                                        | Height when mast lifting                  | mm    | 4117           | 4117           | 4117           |
|               |                                        | Height to safeguard                       | mm    | 2310           | 2310           | 2310           |
|               |                                        | Height seat                               | mm    | 1185           | 1185           | 1185           |
|               | Turning radius                         | Min.                                      | mm    | 2600           | 2600           | 2650           |
|               | Overhang                               | Front                                     | mm    | 550            | 550            | 550            |
|               | Thread(Front/Rear)                     |                                           | mm    | 1130/1100      | 1130/1100      | 1130/1100-     |
|               | Ground clearance                       | Min.                                      | mm    | 219            | 219            | 219            |
|               | Wheelbase                              |                                           | mm    | 2000           | 2000           | 2000           |
|               | Fork spread                            | Min./ Max.                                | mm    | 310/1200       | 310/1200       | 310/1200       |
|               | Working aisle width with pallet (Ast*) | 1000×1200 crossways                       | mm    | 4516           | 4566           | 4566           |
|               |                                        | 800×1200 lengthways                       | mm    | 4615           | 4665           | 4665           |
| Performance   | Speed                                  | Travel (Laden)                            | km/h  | 14             | 13.5           | 13             |
|               |                                        | Travel (Unladen)                          | km/h  | 14             | 13.5           | 13.5           |
|               |                                        | Lifting (Laden)                           | mm/s  | 270            | 260            | 250            |
|               |                                        | Lifting (Unladen)                         | mm/s  | 430            | 420            | 400            |
|               |                                        | Lowing (Laden)                            | mm/s  | 410            | 410            | 410            |
|               |                                        | Lowing (Unladen)                          | mm/s  | 420            | 430            | 440            |
|               | Gradeability                           | Laden                                     | %     | 14.5           | 14             | 13             |
|               |                                        | Unladen                                   | %     | 15.5           | 15             | 14             |
|               | Max. Drawbar pull                      | Laden (S2 5min)                           | N     | 24000          | 26000          | 27000          |
|               | Service weight                         | include battery box                       | kg    | 6600/14520     | 6800/14960     | 6950/15290     |
|               | Axle Loading (Front/Rear)              | Laden                                     | kg    | 9440/1160      | 9950/1350      | 10635/1315     |
|               |                                        | Unladen                                   | kg    | 3960/2640      | 3950/2850      | 3475/3475      |
| Driven        | Tyre                                   | Front×2                                   |       | 250/15         | 250/15         | 250/15         |
|               |                                        | Rear×2                                    |       | 7.00-12        | 7.00-12        | 7.00-12        |
|               | Motor                                  | Driven motor ×2                           | kw    | 16.6           | 16.6           | 16.6           |
|               |                                        | Pump motor                                | kw    | 25.4           | 25.4           | 25.4           |
|               | Battery                                | Standard                                  | V/AH  | 80/700         | 80/700         | 80/700         |
|               |                                        | Battery weight include box (STD. Battery) |       | 2100           | 2100           | 2100           |
|               | Controller                             | Type                                      |       | MOSFET         | MOSFET         | MOSFET         |
|               |                                        | Manufacturer                              |       | Danaher Motion | Danaher Motion | Danaher Motion |
|               | Operating pressure for attachment      |                                           | Mpa   | 17.5           | 17.5           | 17.5           |
|               | Noise level                            |                                           | dB(A) | 74             | 75             | 76             |

Note: J series means DC system (Traction DC+ Pump DC). JD1 series means AC system (Traction AC+ Pump AC). JC1 series means AC system (Traction AC+ Pump DC)

#### 4.0-5.0t J series mast

| Type                             | Mast fork height | Lowered | Overall height |                  | Free lift     |                  | Tilt range |     | Capacity               |      |      |             |      |      |
|----------------------------------|------------------|---------|----------------|------------------|---------------|------------------|------------|-----|------------------------|------|------|-------------|------|------|
|                                  |                  |         | With backrest  | Without backrest | With backrest | Without backrest | FED        | RED | Load capacity at 500mm |      |      |             |      |      |
|                                  |                  |         |                |                  |               |                  |            |     | Single tire            |      |      | Double tire |      |      |
|                                  |                  |         |                |                  |               |                  |            |     | 4.0t                   | 4.5t | 5.0t | 4.0t        | 4.5t | 5.0t |
| Wide view mast                   | 2500             | 1935    | 3670           | 3270             | 150           | 150              | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 2700             | 2035    | 3870           | 3470             | 150           | 150              | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 3000             | 2185    | 4170           | 3770             | 150           | 150              | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 3300             | 2335    | 4470           | 4070             | 150           | 150              | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 3500             | 2435    | 4670           | 4270             | 150           | 150              | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 3600             | 2485    | 4770           | 4370             | 150           | 150              | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 4000             | 2735    | 5170           | 4770             | 150           | 150              | 6          | 11  | 3800                   | 4250 | 4750 | 4000        | 4500 | 5000 |
|                                  | 4300             | 2900    | 5470           | 5070             | 150           | 150              | 6          | 6   | 3600                   | 4000 | 4500 | 3800        | 4250 | 4750 |
|                                  | 4500             | 3010    | 5670           | 5270             | 150           | 150              | 6          | 6   | 3400                   | 3800 | 4250 | 3600        | 4050 | 4500 |
|                                  | 4800             | 3175    | 5970           | 5570             | 150           | 150              | 6          | 6   | 3000                   | 3350 | 3750 | 3200        | 3600 | 4000 |
|                                  | 5000             | 3285    | 6170           | 5770             | 150           | 150              | 6          | 6   | 2800                   | 3150 | 3500 | 3000        | 3400 | 3750 |
| Wide view full free 2-stage mast | 2500             | 1916    | 3670           | 3305             | 750           | 1115             | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 2750             | 2040    | 3920           | 3555             | 873           | 1238             | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 3000             | 2166    | 4170           | 3805             | 1000          | 1365             | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
|                                  | 3300             | 2316    | 4470           | 4105             | 1150          | 1515             | 6          | 11  | 4000                   | 4500 | 5000 | 4000        | 4500 | 5000 |
| Wide view full free 3-stage mast | 4000             | 2020    | 5170           | 4805             | 850           | 1218             | 6          | 11  | 4000                   | 4500 | 4750 | 4000        | 4500 | 5000 |
|                                  | 4300             | 2120    | 5470           | 5105             | 950           | 1318             | 6          | 6   | 3400                   | 3800 | 4200 | 3600        | 4050 | 4500 |
|                                  | 4500             | 2185    | 5670           | 5305             | 1018          | 1380             | 6          | 6   | 3200                   | 3600 | 4000 | 3400        | 3850 | 4250 |
|                                  | 4800             | 2280    | 5970           | 5605             | 1110          | 1478             | 6          | 6   | 3000                   | 3350 | 3750 | 3200        | 3600 | 4000 |
|                                  | 5000             | 2350    | 6170           | 5805             | 1180          | 1548             | 6          | 6   | 2600                   | 3150 | 3500 | 3000        | 3400 | 3750 |
|                                  | 5500             | 2515    | 6670           | 6305             | 1348          | 1710             | 3          | 6   | 2250                   | 2550 | 2850 | 2800        | 3100 | 3350 |
|                                  | 6000             | 2730    | 7170           | 6805             | 1560          | 1928             | 3          | 6   | 1700                   | 1950 | 2200 | 2600        | 2800 | 2950 |

For overall height without backrest: -322mm (2-stage); -371 (2-stage); -337 (3-stage)

\*adopt double tire. (Don't assemble side-shifter on the single tire forklift.)

Specifications are subject to change without notice.

INDUSTRIES SWEDEN