

# PRODUCT SPECIFICATIONS

|             |                                       |    |                                      |      |                                  |                            |                        |                        |
|-------------|---------------------------------------|----|--------------------------------------|------|----------------------------------|----------------------------|------------------------|------------------------|
| General     | Model                                 | 1  |                                      |      | CPD40-EMT                        | CPD45-EMT                  | CPD50L-EMT             | CPD50-EMT              |
|             | Power Type                            | 2  |                                      |      | Electrical                       | Electrical                 | Electrical             | Electrical             |
|             | Load capacity                         | 3  | @ rated load center                  | kg   | 4000                             | 4500                       | 5000                   | 5000                   |
|             | Load centre distance                  | 4  |                                      | mm   | 500                              | 500                        | 500                    | 600                    |
| Weights     | Service Weight                        | 5  | unloaded with minimum weight battery | kg   | 6010                             | 6370                       | 6610                   | 7190                   |
|             | Axle loading                          | 6  | With load (front/rear)               | kg   | 8715/1295                        | 9510/1360                  | 10210/1400             | 10700/1490             |
|             |                                       | 7  | Without load (front/rear)            | kg   | 2715/3295                        | 2760/3610                  | 2710/3900              | 2960/4230              |
| Tires       | Tire type                             | 8  |                                      |      | Pneumatic                        | Pneumatic                  | Pneumatic              | Pneumatic              |
|             | Wheels                                | 9  | Front/rear                           |      | 2 / 2                            | 2 / 2                      | 2 / 2                  | 2/2                    |
|             | Wheelbase                             | 10 |                                      | mm   | 2100                             | 2100                       | 2100                   | 2100                   |
|             | Tire size                             | 11 | Front                                |      | 8.25-15-14PR                     | 300-15-18PR                | 300-15-18PR            | 300-15-18PR            |
|             |                                       | 12 | Rear                                 |      | 7.00-12-12PR                     | 7.00-12-12PR               | 7.00-12-12PR           | 7.00-12-12PR           |
|             | Tread width                           | 13 | Front /rear                          | mm   | 1189/1190                        | 1176/1190                  | 1176/1190              | 1176/1190              |
| Mast        | Maximum fork height                   | 14 | with standard 2-stage mast           | mm   | 3000                             | 3000                       | 3000                   | 3000                   |
|             | Freelift                              | 15 |                                      | mm   | 170                              | 170                        | 170                    | 170                    |
|             | Height, upright lowered               | 16 |                                      | mm   | 2285                             | 2285                       | 2285                   | 2285                   |
|             | Height, upright extended              | 17 |                                      | mm   | 4177                             | 4177                       | 4177                   | 4177                   |
|             | Mast tilt, fwd/back                   | 18 |                                      | °    | 6 / 12                           | 6 / 12                     | 6 / 12                 | 6 / 12                 |
|             | Fork carriage                         | 19 | Width                                | mm   | 1424                             | 1424                       | 1424                   | 1424                   |
|             | Fork spread out-to-out                | 20 | Minimum/maximum                      | mm   | 300/1380                         | 300/1380                   | 300/1380               | 300/1380               |
|             | Fork dimension                        | 21 | T x W x L                            |      | 50 x 150 x 1070                  | 50 x 150 x 1070            | 50 x 150 x 1070        | 50 x 150 x 1220        |
|             | Length to fork face                   | 22 | With std 2-stage mast                | mm   | 3195                             | 3195                       | 3230                   | 3230                   |
| Chassis     | Overall width                         | 23 |                                      | mm   | 1493                             | 1493                       | 1493                   | 1493                   |
|             | Overhead guard height                 | 24 |                                      | mm   | 2350                             | 2350                       | 2350                   | 2350                   |
|             | Minimum outside turning radius        | 25 |                                      | mm   | 2900                             | 2900                       | 2930                   | 2930                   |
|             | Front overhang                        | 26 | With std 2-stage mast                | mm   | 548                              | 548                        | 548                    | 548                    |
|             | Min.right angle stacking aisle width. | 27 | Add load length and clearance.       | mm   | 4848                             | 4848                       | 4878                   | 4878                   |
|             | Ground clearance                      | 28 | Loaded below mast                    | mm   | 165                              | 165                        | 165                    | 165                    |
|             |                                       | 29 | Center of wheelbase                  | mm   | 230                              | 230                        | 230                    | 230                    |
|             | Battery Compartment                   | 30 | length / width / height              | mm   | 850x510x405                      | 850x510x405                | 850x510x405            | 850x510x405            |
|             |                                       |    |                                      |      |                                  |                            |                        |                        |
| Performance | Travel Speed                          | 31 | loaded / unloaded                    | km/h | 18/19                            | 18/19                      | 18/19                  | 18/19                  |
|             | Lift Speed                            | 32 | loaded / unloaded                    | mm/s | 460/500                          | 430/500                    | 400/500                | 400/500                |
|             | Lower Speed                           | 33 | loaded / unloaded                    | mm/s | 520/480                          | 520/480                    | 520/480                | 520/480                |
|             | Max. Drawbar Pull                     | 34 | 5 min. rating                        | KN   | 23.5                             | 23.5                       | 23.5                   | 23.5                   |
|             | Max. Gradeability                     | 35 | 5 min. rating                        | %    | 20/28                            | 19/27                      | 18/26                  | 17/25                  |
| system      | Controllers                           | 36 | drive / hydraulic                    |      | Permanent magnet synchronization |                            |                        |                        |
|             | Motors                                | 37 | Drive motor                          | kW   | 24.5                             | 24.5                       | 24.5                   | 24.5                   |
|             |                                       | 38 | Pump motor                           | kW   | 32.5                             | 32.5                       | 32.5                   | 32.5                   |
|             | Battery                               | 39 | type                                 |      | Lithium                          | Lithium                    | Lithium                | Lithium                |
|             |                                       | 40 | voltage                              | V    | 80                               | 80                         | 80                     | 80                     |
|             |                                       | 41 | capacity                             | Ah   | sta:460<br>opt:560/690/840       | sta:460<br>opt:560/690/840 | sta:560<br>opt:690/840 | sta:560<br>opt:690/840 |



LG-PB-CPD50L-EMT-052024-EN

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Official website



Media Platform

**E** Series Lithium  
Battery Forklift Truck  
**CPD40-50L-EMT**



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