

**ECG80-9 | Electrical drivetrain | Duplex, clear view, standard - LH 5000**
**Lifting data**
**ECG80-9**

|  |             |
|--|-------------|
| Lifting capacity, rated (kg)                         | 8000        |
| Lifting speed, unloaded – at 70% of rated load (m/s) | 0,32 - 0,31 |
| Lowering speed, unloaded – at rated load (m/s)       | 0,45 - 0,50 |

**Driving data**

|  |         |
|--|---------|
| Travelling speed forward, unloaded – at rated load (km/h)  | 17 - 14 |
| Travelling speed backward, unloaded – at rated load (km/h) | 17 - 14 |
| Gradeability max., unloaded – at rated load (%)            | 37 - 21 |
| Gradeability at 2 km/h, unloaded – at rated load (%)       | 29 - 16 |
| Drawbar pull, max. (kN)                                    | 40      |

**Weight of truck**

|  |   |
|--|---|
| Weight, with battery - without battery (kg)    | - |
| Axle load front, unloaded – at rated load (kg) | - |
| Axle load rear, unloaded – at rated load (kg)  | - |

**Drivetrain**

|   |                                      |
|---|--------------------------------------|
| Drive axle – type   | Differential and hub reduction       |
| Drive motor, hourly capacity (kW)                               | 2 × 17,6 kW - S2 60 min              |
| Speed control, principle – number of steps                      | High frequency MOSFET, AC - Stepless |
| Pump motor hydraulics, intermittent capacity – duty factor (kW) | 1 × 42 kW - S3 15%                   |
| Pump motor brakes, intermittent capacity – duty factor (kW)     | 1 × 2,2 kW - S1 100%                 |
| Pump control, principle – number of steps                       | High frequency MOSFET, AC - Stepless |

**Battery**

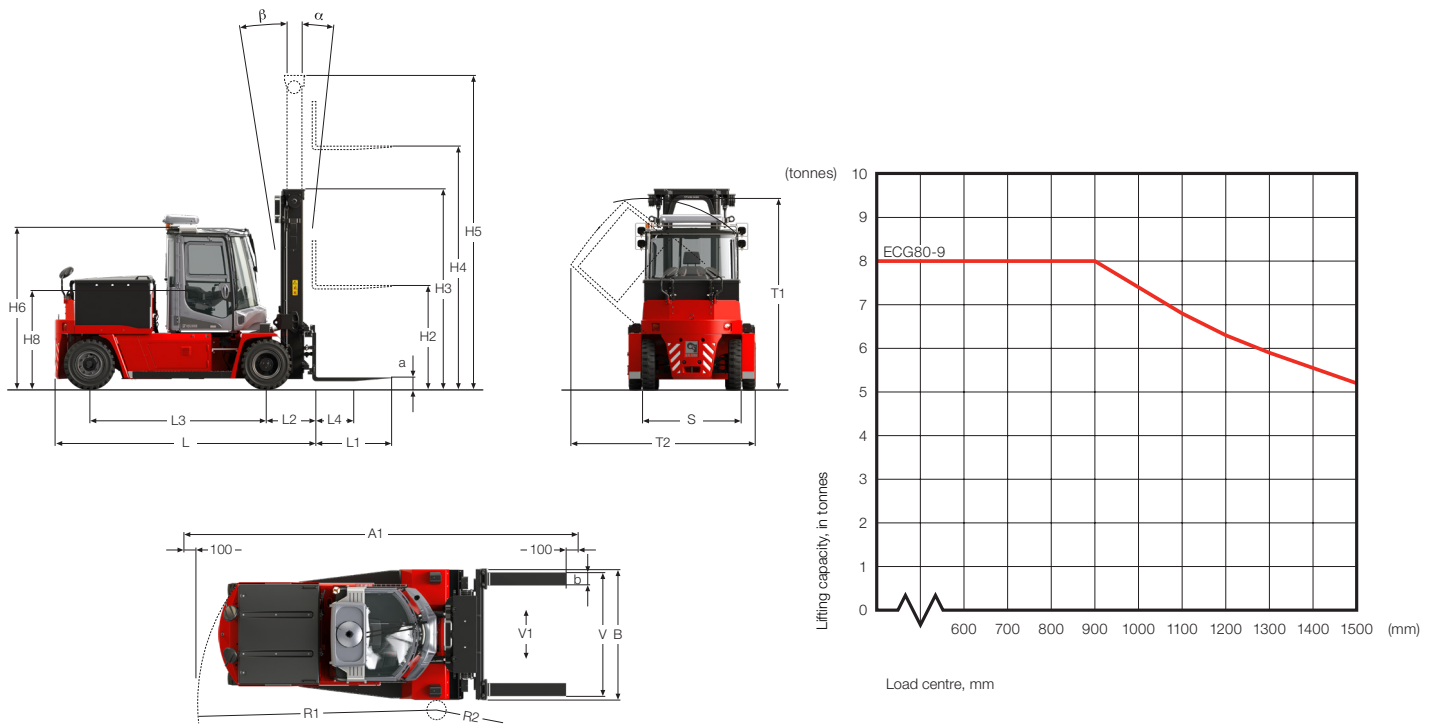
|   |                       |
|---|-----------------------|
| Battery type                                  | Lead-Acid             |
| Dimensions, W × H × L (mm)                    | 1495 × 780 × 1190     |
| Capacity at 5h discharging – voltage (Ah – V) | 1550A - 80V (124 kWh) |
| Max. charging current (A – V)                 | 300 - 80              |
| Weight, with battery - without battery (kg)   | 3700                  |

**Wheels**

|  |  |
|--|--|
| Type                                     | Air Radial / Solid Pneumatic (SE) - Air Radial |
| Dimension, front – rear (inch)           | 8,25-R15 – 8,25-R15                            |
| Number of wheels, front – rear (*driven) | 4* - 2   |

**Miscellaneous**

|  |   |
|--|---|
| Steering system, type – maneuvering  | Hydraulic servo - Steering wheel                |
| Service brake system, type – affected wheels                               | Oil cooled disc brakes – Drive wheel            |
| Parking brake system, type – affected wheels                               | Dry, spring activated disc brakes - Drive wheel |
| Max. hydraulic pressure (MPa)  | 20,0  |
| Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))  | 66  |
| Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A)) | 78  |
| Hydraulic oil volume (l)   | 155   |



## Dimensions

|   |                    |             |
|---|--------------------|-------------|
| Length of truck (mm)  | L                  | 4105        |
| Width of truck (mm)   | B                  | 2000        |
| Height of basic machine (mm)  | H6                 | 2590        |
| Height of seat (mm)   | H8                 | 1440        |
| Distance between centre of front axle – front face of fork arm (mm) | L2                 | 797         |
| Wheelbase (mm)  | L3                 | 2800        |
| Load centre (mm)  | L4                 | 900         |
| Track (c-c), front – rear (mm)                                      | S                  | 1500 - 1360 |
| Turning radius, outer – inner (mm)                                  | R1-R2              | 3700 - 300  |
| Ground clearance, min. (mm)   |                    | 160         |
| Max. height when tilting cab (mm)                                   | T1                 | 3020        |
| Max. width when tilting cab (mm)                                    | T2                 | 3225        |
| Min. aisle for 90° stacking with forks (mm)                         | A1                 | 6450        |
| Lifting height (mm)   | H4                 | 5000        |
| Mast height, min. (mm)  | H3                 | 3685        |
| Mast height, max. (mm)  | H5                 | 6160        |
| Tilting of mast, forward - backward (°)                             | $\alpha$ - $\beta$ | 6 - 9       |
| Fork width (mm)   | b                  | 200         |
| Fork thickness (mm)   | a                  | 65          |
| Length of forkarm (mm)  | l                  | 1800        |
| Width across fork arms, max. - min. (mm)                            | V                  | -           |
| Sideshift $\pm$ at width of across fork arms (mm)                   | V1-V               | -           |

The design and materials specification are subject to alternation without prior notice.  
Tolerances according to K-standard 95430.0008/0009



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