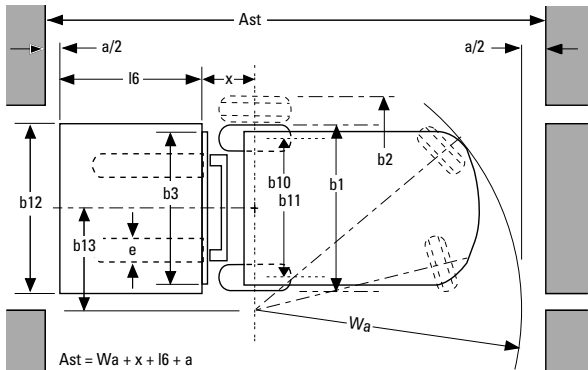
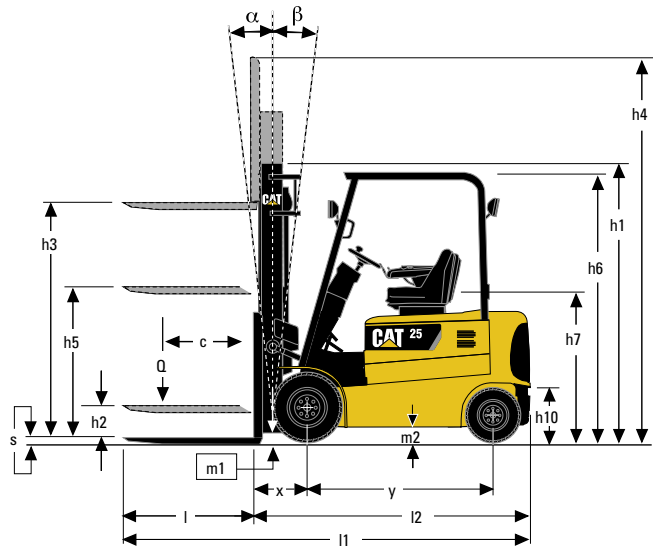


|                     | Characteristics                                                                   |           |       |                 |                 |  |  |                 |                 |
|---------------------|-----------------------------------------------------------------------------------|-----------|-------|-----------------|-----------------|--|--|-----------------|-----------------|
| 1.01                | Manufacturer (abbreviation)                                                       |           |       | Cat Lift Trucks | Cat Lift Trucks |  |  | Cat Lift Trucks | Cat Lift Trucks |
| 1.02                | Manufacturer's model designation                                                  |           |       | EP20K PAC       | EP25K PAC       |  |  | EP30K PAC       | EP35K PAC       |
| 1.03                | Power source: (battery, diesel, LP gas, petrol)                                   |           |       | Battery         | Battery         |  |  | Battery         | Battery         |
| 1.04                | Operator type: pedestrian, (operator)-standing, -seated                           |           |       | Seated          | Seated          |  |  | Seated          | Seated          |
| 1.05                | Load capacity                                                                     | Q         | (kg)  | 2000            | 2500            |  |  | 3000            | 3500            |
| 1.06                | Load centre distance                                                              | c         | (mm)  | 500             | 500             |  |  | 500             | 500             |
| 1.08                | Load distance, axle to fork face                                                  | x         | (mm)  | 426             | 426             |  |  | 490             | 490             |
| 1.09                | Wheelbase                                                                         | y         | (mm)  | 1520            | 1520            |  |  | 1690            | 1690            |
| Weight              |                                                                                   |           |       |                 |                 |  |  |                 |                 |
| 2.01                | Truck weight, without load / including battery (simplex mast, lowest lift height) |           | kg    | 4163            | 4378            |  |  | 4941            | 5375            |
| 2.02                | Axle loading with maximum load, front/rear (simplex mast, lowest lift height)     |           | kg    | 5263 / 900      | 6190 / 688      |  |  | 7360 / 580      | 8164 / 711      |
| 2.03                | Axle loading without load, front/rear (simplex mast, lowest lift height)          |           | kg    | 2046 / 2117     | 2164 / 2214     |  |  | 2595 / 2346     | 2604 / 2771     |
| Wheels, Drive Train |                                                                                   |           |       |                 |                 |  |  |                 |                 |
| 3.01                | Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear                      |           |       | SE / SE         | SE / SE         |  |  | SE / SE         | SE / SE         |
| 3.02                | Tyre dimensions, front                                                            |           |       | 23 x 9 - 10     | 23 x 9 - 10     |  |  | 28 x 9 - 15     | 250 - 15        |
| 3.03                | Tyre dimensions, rear                                                             |           |       | 18 x 7 - 8      | 18 x 7 - 8      |  |  | 18 x 7 - 8      | 18 x 7 - 8      |
| 3.05                | Number of wheels, front/rear (x=driven)                                           |           |       | 2x / 2          | 2x / 2          |  |  | 2x / 2          | 2x / 2          |
| 3.06                | Track width (centre of tyres), front                                              | b10       | (mm)  | 990             | 990             |  |  | 990             | 990             |
| 3.07                | Track width (centre of tyres), rear                                               | b11       | (mm)  | 898             | 898             |  |  | 898             | 898             |
| Dimensions          |                                                                                   |           |       |                 |                 |  |  |                 |                 |
| 4.01                | Mast tilt, forwards/backwards                                                     | α/β       | °     | 6 / 8           | 6 / 8           |  |  | 6 / 8           | 6 / 8           |
| 4.02                | Height with mast lowered (see tables)                                             | h1        | (mm)  | 2142            | 2142            |  |  | 2155            | 2284            |
| 4.03                | Free lift (see tables)                                                            | h2        | (mm)  | 100             | 100             |  |  | 100             | 100             |
| 4.04                | Lift height (see tables)                                                          | h3        | (mm)  | 3300            | 3300            |  |  | 3270            | 3300            |
| 4.05                | Overall height with mast raised                                                   | h4        | (mm)  | 4355            | 4355            |  |  | 4325            | 4340            |
| 4.07                | Height to top of overhead guard                                                   | h6        | (mm)  | 2200            | 2200            |  |  | 2250            | 2259            |
| 4.08                | Seat height                                                                       | h7        | (mm)  | 1105            | 1105            |  |  | 1155            | 1164            |
| 4.12                | Tow coupling height                                                               | h10       | (mm)  | -               | -               |  |  | -               | -               |
| 4.19                | Overall length                                                                    | l1        | (mm)  | 3319            | 3344            |  |  | 3592            | 3647            |
| 4.20                | Length to fork face (includes fork thickness)                                     | l2        | (mm)  | 2249            | 2274            |  |  | 2522            | 2577            |
| 4.21                | Overall width                                                                     | b1/b2     | (mm)  | 1190            | 1190            |  |  | 1230            | 1230            |
| 4.22                | Fork dimensions (thickness, width, length)                                        | s / e / l | (mm)  | 40 x 110 x 1070 | 40 x 110 x 1070 |  |  | 45 x 125 x 1070 | 45 x 125 x 1070 |
| 4.23                | Fork carriage to DIN 15 173 A/B/no                                                |           |       | 2A              | 2A              |  |  | 3A              | 3A              |
| 4.24                | Fork carriage width                                                               | b3        | (mm)  | 1000            | 1000            |  |  | 1000            | 1000            |
| 4.31                | Ground clearance under mast, with load                                            | m1        | (mm)  | 110             | 110             |  |  | 117             | 117             |
| 4.32                | Ground clearance at centre of wheelbase, with load (forks lowered)                | m2        | (mm)  | 120             | 120             |  |  | 130             | 130             |
| 4.33                | Working aisle width with 1000 x1200 mm pallets, crosswise                         | Ast       | (mm)  | 3576            | 3596            |  |  | 3870            | 3920            |
| 4.34                | Working aisle width with 800 x1200 mm pallets, crosswise                          | Ast       | (mm)  | 3376            | 3396            |  |  | 3670            | 3720            |
| 4.35                | Turning circle radius                                                             | Wa        | (mm)  | 1950            | 1970            |  |  | 2180            | 2230            |
| 4.36                | Minimum distance between centres of rotation                                      | b13       | (mm)  | -               | -               |  |  | -               | -               |
| Performance         |                                                                                   |           |       |                 |                 |  |  |                 |                 |
| 5.01                | Travel speed, with/without load                                                   |           | km/h  | 20.0 / 20.0     | 20.0 / 20.0     |  |  | 20.0 / 20.0     | 16.5 / 18.0     |
| 5.02                | Lifting speed, with/without load                                                  |           | m/s   | 0.55 / 0.65     | 0.50 / 0.65     |  |  | 0.45 / 0.60     | 0.40 / 0.55     |
| 5.03                | Lowering speed, with/without load                                                 |           | m/s   | 0.50 / 0.50     | 0.50 / 0.50     |  |  | 0.50 / 0.50     | 0.50 / 0.50     |
| 5.05                | Rated drawbar pull, with/without load                                             |           | N     | 8600 / 8850     | 8400 / 8900     |  |  | 7500 / 8050     | 7300 / 8000     |
| 5.06                | Maximum drawbar pull, with/without load (5 min short duty)                        |           | N     | 12650 / 12750   | 12200 / 12700   |  |  | 11000 / 11600   | 10800 / 11500   |
| 5.07                | Gradeability, with/without load                                                   |           | %     | 18.7 / 29.4     | 16.5 / 27.9     |  |  | 12.7 / 22.1     | 11.1 / 20.1     |
| 5.08                | Maximum gradeability, with/without load                                           |           | %     | 20.9 / 32.9     | 18.5 / 31.1     |  |  | 14.2 / 24.6     | 12.5 / 22.4     |
| 5.09                | Acceleration time (10 metres) with/without load                                   |           | s     | 4.1 / 3.6       | 4.3 / 3.7       |  |  | 5.1 / 4.5       | 5.2 / 4.6       |
| 5.10                | Service brakes (mechanical/hydraulic/electric/pneumatic)                          |           |       | Hydraulic       | Hydraulic       |  |  | Hydraulic       | Hydraulic       |
| Electric motors     |                                                                                   |           |       |                 |                 |  |  |                 |                 |
| 6.01                | Drive motor capacity (60 min. short duty)                                         |           | kW    | 14.5            | 14.5            |  |  | 14.5            | 14.5            |
| 6.02                | Lift motor output at 15% duty factor                                              |           | kW    | 20.0            | 20.0            |  |  | 20.0            | 20.0            |
| 6.03                | Battery to DIN 43 531/35/36 A/B/C/no                                              |           |       | 43.536A         | 43.536A         |  |  | 43.536A         | 43.536A         |
| 6.04                | Battery voltage/capacity at 5-hour discharge                                      |           | V/Ah  | 80 / 600        | 80 / 600        |  |  | 80 / 750        | 80 / 750        |
| 6.05                | Battery weight                                                                    |           | kg    | 1385            | 1385            |  |  | 1872            | 1872            |
| Miscellaneous       |                                                                                   |           |       |                 |                 |  |  |                 |                 |
| 8.01                | Type of drive control                                                             |           |       | MOSFET          | MOSFET          |  |  | MOSFET          | MOSFET          |
| 8.02                | Maximum operating pressure for attachments                                        |           | bar   | 185             | 185             |  |  | 185             | 185             |
| 8.03                | Oil flow for attachments                                                          |           | l/min | –               | –               |  |  | –               | –               |
| 8.04                | Noise level, value at operator's ear (EN 12053)                                   |           | dB(A) | –               | –               |  |  | –               | –               |
| 8.05                | Towing coupling design / DIN type, ref.                                           |           |       | –               | –               |  |  | –               | –               |



Ast = Working aisle width with load      l6 = Pallet length (800 or 1000 mm)  
a = Safety clearance (200 mm)      b12 = Pallet width (1200 mm)

### Lower Cost of Ownership

- Strong regenerative braking speeds up work cycles, extends battery life and returns energy to the battery. It also reduces heat build-up in the motor and protects components from premature wear, giving better energy efficiency.

### Unmatched Productivity

- Ideal for gradients and applications where the speed and power of an IC engine truck is needed.
- The powerful AC based traction motor is sealed against dust and water splashes and features optimum torque for excellent acceleration, traction, speed and regenerative braking.
- Programmable MOSFET controller features five pre-set operating modes, functions such as traction, lift and tilt can be fine-tuned to precisely match application needs.
- An intelligent monitoring system allows the operator to monitor all major truck functions during normal operation and helps ensure that the truck is serviced in a timely manner.

### Safety and Ergonomics

- The panoramic mast and overhead guard afford excellent overall visibility for safe operation and precise load handling.
- Proportional controlled hydraulics allow sensitive load handling.
- The self-diagnostic routine enables the service engineer to verify proper operation of main systems, components and truck performance settings.

### Options

- Amber strobe light.
- Road lights.

