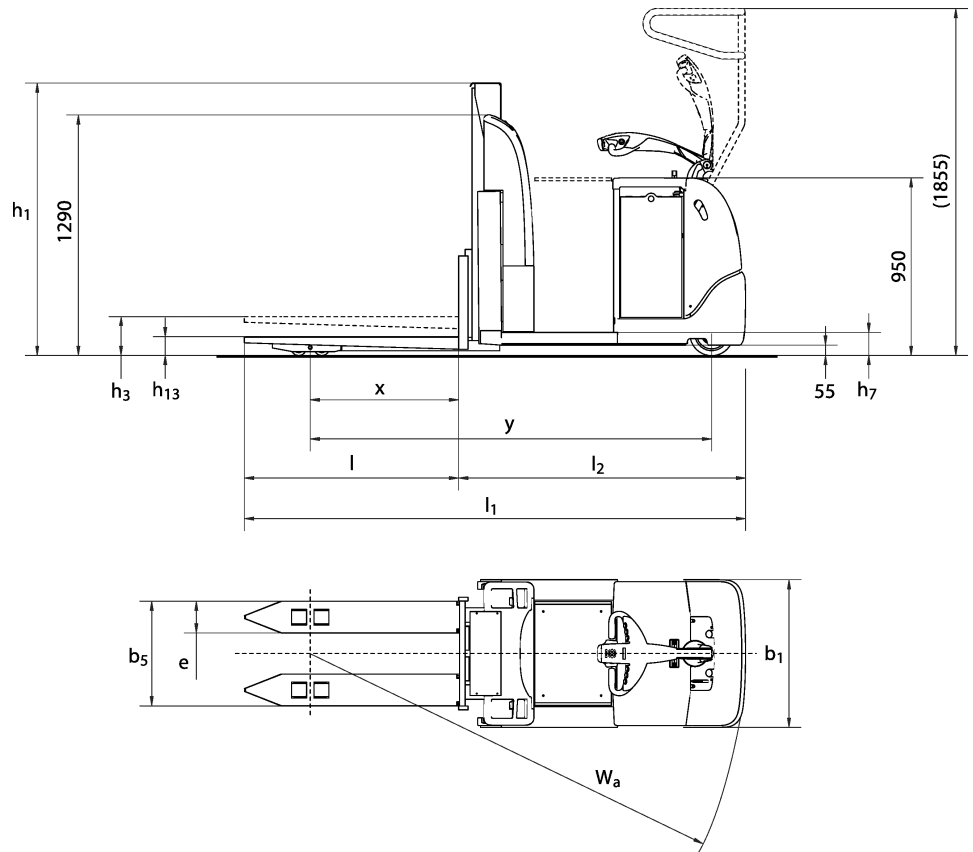


LOW LEVEL ORDER PICKER

PPL 200 JN



Efficient picking machine with highest performance.
 Lowlifting model with tiller arm or Ergo steering as option.
 AC powered, truck computer ATC and Friction Force for optimum drive wheel pressure.



| Mast type | Lift height H | Height of mast lowered h1 | Max mast height h4 |
|-----------------|---------------|---------------------------|--------------------|
| Standard/Duplex | | | |
| Triplex | | | |

| Distinguishing mark | Specification | | | PPL 200 JN | | |
|---------------------|------------------|---|---|------------|---------------------|---------------|
| | | 1.2 | Manufacturer's type designation | | | |
| | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | | Electric | | |
| | 1.4 | Operator type: hand, pedestrian, standing, seated, order-picker | | Hand | | |
| | 1.5 | Load capacity/rated load | Q | t | 2,0 | |
| | 1.6 | Load centre distance | c | mm | 600 | |
| | 1.8 | Load distance, centre of load axle to fork | X | | 975 - 1465 | |
| | 1.9 | Wheelbase | y | mm | 1170 + x | |
| Weight | 2.1 | Service weight incl battery | | kg | 1090 | |
| | 2.2 | Axle load, with load, front/rear | | kg | | |
| | 2.3 | Axle load, without load, front / rear | | kg | 1070 / 2045 | |
| | 2.4 | Axle load, fork outreached with load, front / rear | | kg | 795 / 295 | |
| | 2.5 | Axle load, fork retracted with load, front / rear | | kg | | |
| Tyres, chassis | 3.1 | Tyres | | | Vulcollan | |
| | 3.2 | Tyre size, drive side | | mm | Ø 230x90 | |
| | 3.3 | Tyre size, load side | | mm | Ø 85x70 | |
| | 3.4 | Dimensions additional wheels (castor wheels) | | mm | Ø 150x55 | |
| | 3.5 | Wheels, number front/rear (drive side/load side, x = driven wheels) | | | 1x 1/4 | |
| | 3.6 | Track, drive side | b10 | mm | 500 | |
| | 3.7 | Track, load side | b11 | mm | V-175 | |
| Dimensions | 4.1 | Tilt of mast/fork carriage, forward/backward | | Grad | | |
| | 4.2 | Height, mast lowered | h1 | mm | | |
| | 4.3 | Free lift | h2 | mm | | |
| | 4.4 | Lift height H = h1+h3 | H | mm | 230 | |
| | 4.5 | Height, mast extended | h4 | mm | | |
| | 4.6 | Straddle lift | h5 | mm | | |
| | 4.7 | Height of overhead guard (cabin) | h6 | mm | | |
| | 4.8 | Seat height/stand height | h7 | mm | 123 - 146 | |
| | 4.10 | Height of wheel arms | h8 | mm | | |
| | 4.11 | Additional lift | h9 | mm | | |
| | 4.14 | Stand height, elevated | h12 | mm | | |
| | 4.15 | Height lowered | h13 | mm | 85 | |
| | 4.19 | Overall length | l1 | mm | 1349 + l | |
| | 4.20 | Length to face of forks | l2 | mm | 1349 | |
| | 4.21 | Overall width | b1 | mm | 790 | |
| | 4.21.1 | Width over stabilizers | | mm | | |
| | 4.22 | Fork dimensions | s/e/l | mm | 55 / 175 /1150-2375 | |
| | 4.23 | Fork carriage to ISO 2328, clas / form A, B | | | | |
| | 4.24 | Width of fork carriage | b3 | mm | | |
| | 4.25 | Width over forks, min/max | b5 | mm | 480 / 680 | |
| | 4.26 | Distance between wheel arms | b4 | mm | V-350 | |
| | 4.27 | Width across guide rolls | b6 | mm | | |
| | 4.28 | Reach distance | l4 | mm | | |
| | 4.29 | Reach lateral | b7 | mm | | |
| | 4.30 | Reach lateral from vehicle centerline | b8 | mm | | |
| | 4.31 | Ground clearance, mast | m1 | mm | | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 | mm | 55 | |
| | 4.33 | Aisle width with pallet 1000 x 1200, crosswise | Ast | mm | 2630 | |
| | 4.34 | Aisle width for pallet 800 x 1200, lengthwise | Ast | mm | 2830 | |
| | | Transfer aisle | 0 | mm | | |
| | 4.35 | Turning radius | Wa | mm | 1349 + x | |
| | 4.37 | Length incl reach legs | l7 | mm | | |
| | 4.38 | Distance to swivelling-fork pivot | 0 | mm | | |
| | Performance data | 5.1 | Travel speed, with/without load | | km/h | 10,0 / 12,0 |
| | | 5.1.1 | Travel speed with/without load, backwards | | km/h | |
| | | 5.2 | Lift speed, with/without load | | m/s | 0,06 / 0,07 |
| | | 5.3 | Lowering speed, with/without load | | m/s | 0,052 / 0,055 |
| | | 5.4 | Reach speed, with / without load | | m/s | |
| 5.7 | | Gradient, with/without load | | % | 7 / 15 | |
| 5.8 | | Max gradeability, with / without load, 5 min rating | | % | | |
| 5.9 | | Acceleration time 0-10 m, with/without load | | s | | |
| 5.10 | | Service brake: electric, hydraulic | | | Electric | |
| 5.10.1 | | Parking brake: electric, hydraulic | | | Electric | |
| Electric engine | 6.1 | Drive motor, rating S2 60 min | | kW | 2,2 AC | |
| | 6.2 | Lift motor | | kW | 2,2 | |
| | 6.3 | Battery according to DIN 43531/35/36 | A,B,C | | | |
| | 6.4 | Battery voltage / Battery capacity | | V/Ah | 24 / 300-400 | |
| | 6.5 | Battery weight | | kg | 425 | |
| | 6.6 | Power consumption according to VDI cycle | | kWh/h | | |
| Additional data | 8.1 | Speed regulation | | | AC Transistor | |
| | 10.1 | Operating pressure attachments | | bar | 160 | |
| | 10.2 | Oil flow for attachments | | l/min | | |
| | 10.7 | Noise level at operator's ear, according to EN 12 053 | | db(A) | | |

* Varies according to battery size

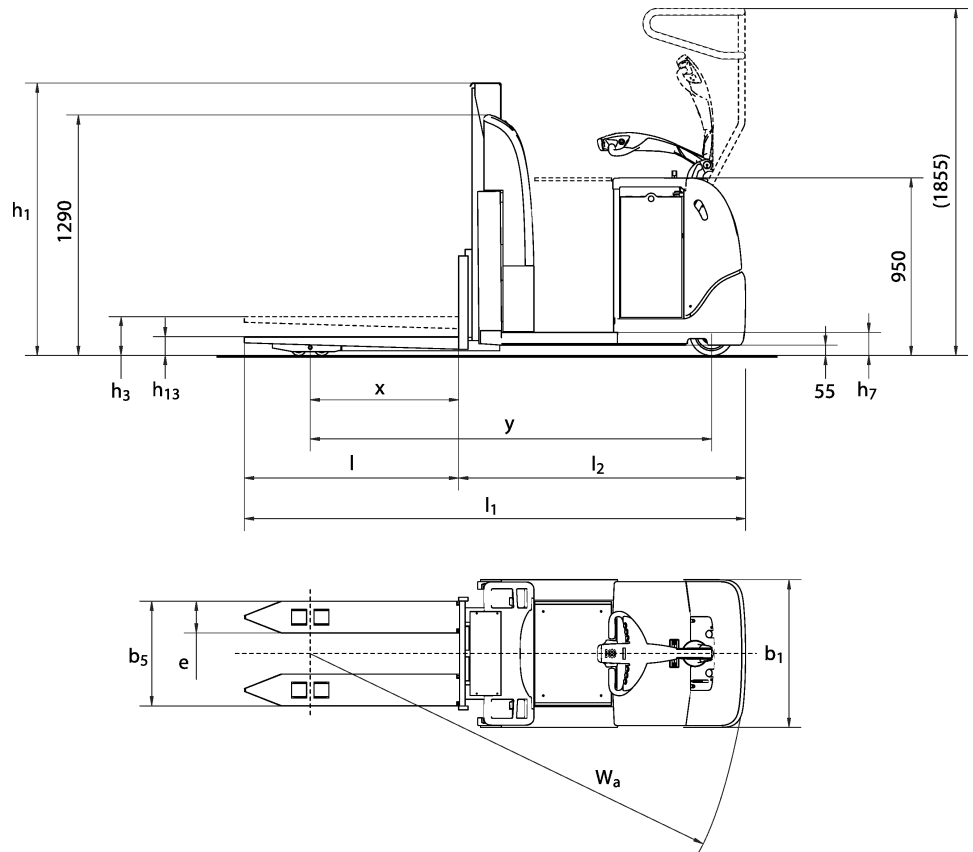
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LOW LEVEL ORDER PICKER

PPL 250 SN



Efficient picking machine with highest performance.
 Lowlifting model with tiller arm or Ergo steering as option.
 AC powered, truck computer ATC and Friction Force for optimum drive wheel pressure.



| Mast type | Lift height H | Height of mast lowered h1 | Max mast height h4 |
|-----------------|---------------|---------------------------|--------------------|
| Standard/Duplex | | | |
| Triplex | | | |

| | | | | | |
|---------------------|--------|---|-----------------------------|------------|------------------|
| Distinguishing mark | 0 | Specification | | PPL 250 SN | |
| | 1.2 | Manufacturer's type designation | | | |
| | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | | Electric | |
| | 1.4 | Operator type: hand, pedestrian, standing, seated, order-picker | | Hand | |
| | 1.5 | Load capacity/rated load | Q | t | 2,5 |
| | 1.6 | Load centre distance | c | mm | 600 |
| | 1.8 | Load distance, centre of load axle to fork | X | | 975 - 1465 |
| | 1.9 | Wheelbase | y | mm | 1251 + x |
| | Weight | 2.1 | Service weight incl battery | | kg |
| 2.2 | | Axle load, with load, front/rear | | kg | |
| 2.3 | | Axle load, without load, front / rear | | kg | 1100 / 2050 |
| 2.4 | | Axle load, fork outreached with load, front / rear | | kg | 825 / 300 |
| 2.5 | | Axle load, fork retracted with load, front / rear | | kg | |
| Tyres, chassis | 3.1 | Tyres | | | Vulcollan |
| | 3.2 | Tyre size, drive side | | mm | Ø 230x90 |
| | 3.3 | Tyre size, load side | | mm | Ø 85x70 |
| | 3.4 | Dimensions additional wheels (castor wheels) | | mm | Ø 150x55 |
| | 3.5 | Wheels, number front/rear (drive side/load side, x = driven wheels) | | | 1x 1/4 |
| | 3.6 | Track, drive side | b10 | mm | |
| | 3.7 | Track, load side | b11 | mm | |
| Dimensions | 4.1 | Tilt of mast/fork carriage, forward/backward | | Grad | |
| | 4.2 | Height, mast lowered | h1 | mm | |
| | 4.3 | Free lift | h2 | mm | |
| | 4.4 | Lift height H = h1+h3 | H | mm | 230 |
| | 4.5 | Height, mast extended | h4 | mm | |
| | 4.6 | Straddle lift | h5 | mm | |
| | 4.7 | Height of overhead guard (cabin) | h6 | mm | |
| | 4.8 | Seat height/stand height | h7 | mm | 123 - 146 |
| | 4.10 | Height of wheel arms | h8 | mm | |
| | 4.11 | Additional lift | h9 | mm | |
| | 4.14 | Stand height, elevated | h12 | mm | |
| | 4.15 | Height lowered | h13 | mm | 85 |
| | 4.19 | Overall length | l1 | mm | 1430 + l |
| | 4.20 | Length to face of forks | l2 | mm | 1430 |
| | 4.21 | Overall width | b1 | mm | 790 |
| | 4.21.1 | Width over stabilizers | | mm | |
| | 4.22 | Fork dimensions | s/e/l | mm | 55/175/1150-2375 |
| | 4.23 | Fork carriage to ISO 2328, clas / form A, B | | | |
| | 4.24 | Width of fork carriage | b3 | mm | |
| | 4.25 | Width over forks, min/max | b5 | mm | 480 / 680 |
| | 4.26 | Distance between wheel arms | b4 | mm | V-350 |
| | 4.27 | Width across guide rolls | b6 | mm | |
| | 4.28 | Reach distance | l4 | mm | |
| | 4.29 | Reach lateral | b7 | mm | |
| | 4.30 | Reach lateral from vehicle centerline | b8 | mm | |
| | 4.31 | Ground clearance, mast | m1 | mm | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 | mm | 55 |
| | 4.33 | Aisle width with pallet 1000 x 1200, crosswise | Ast | mm | 2630 |
| | 4.34 | Aisle width for pallet 800 x 1200, lengthwise | Ast | mm | 2830 |
| | | Transfer aisle | 0 | mm | |
| | 4.35 | Turning radius | Wa | mm | 1430 + x |
| | 4.37 | Length incl reach legs | l7 | mm | |
| | 4.38 | Distance to swivelling-fork pivot | 0 | mm | |
| Performance data | 5.1 | Travel speed, with/without load | | km/h | 9,5 / 12,0 |
| | 5.1.1 | Travel speed with/without load, backwards | | km/h | |
| | 5.2 | Lift speed, with/without load | | m/s | 0,045 / 0,07 |
| | 5.3 | Lowering speed, with/without load | | m/s | 0,052 / 0,055 |
| | 5.4 | Reach speed, with / without load | | m/s | |
| | 5.7 | Gradient, with/without load | | % | 7 / 15 |
| | 5.8 | Max gradeability, with / without load, 5 min rating | | % | |
| | 5.9 | Acceleration time 0-10 m, with/without load | | s | |
| | 5.10 | Service brake: electric, hydraulic | | | Electric |
| | 5.10.1 | Parking brake: electric, hydraulic | | | Electric |
| Electric engine | 6.1 | Drive motor, rating S2 60 min | | kW | 2,2 AC |
| | 6.2 | Lift motor | | kW | 2,2 |
| | 6.3 | Battery according to DIN 43531/35/36 | A,B,C | | |
| | 6.4 | Battery voltage / Battery capacity | | V/Ah | 24 / 300-600 |
| | 6.5 | Battery weight | | kg | 460* |
| | 6.6 | Power consumption according to VDI cycle | | kWh/h | |
| Additional data | 8.1 | Speed regulation | | | AC Transistor |
| | 10.1 | Operating pressure attachments | | bar | 160 |
| | 10.2 | Oil flow for attachments | | l/min | |
| | 10.7 | Noise level at operator's ear, according to EN 12 053 | | db(A) | |

* Varies according to battery size

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