

EXV Technical Data High Lift Pallet Truck

EXV 10 Basic/Li-Ion

EXV 10/Li-Ion

EXV 12 (i)/Li-Ion

EXV 14 C (i)/Li-Ion

EXV 14 (i)

EXV 16 (i)

EXV 20 (i)





| Distinguishing marks | 1.1 Manufacturer | | STILL | STILL | STILL | STILL | STILL | STILL | STILL | STILL | STILL | STILL | STILL | STILL | STILL | | | | |
|---------------------------------|--|------------------|---------------------|----------------------------------|-------------------------|--|--|--|--|--|---|---|---|---|--|--|--|--|--|
| | 1.2 Manufacturer's type designation | | EXV 10 Basic/Li-Ion | EXV 10/Li-Ion | EXV 12/Li-Ion | EXV 12i | EXV 14 C/Li-Ion | EXV 14i C | EXV 14i C | EXV 14i C | EXV 14i C | EXV 14i C | EXV 14i C | EXV 14i C | EXV 14i C | EXV 14i C | | | |
| | Mast | | Single | Tele | NiHo | Tele | NiHo | Triplex | Tele | NiHo | Triplex | Tele | NiHo | Triplex | Tele | NiHo | Triplex | | |
| | 1.3 Drive | | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | Electric | | |
| | 1.4 Operator type | | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | Pedestrian | | |
| | 1.5 Rated capacity/rated load | | Q | kg | 1000 | 1000 | 1200 | 1200 | 1200 | 1200 | 1200 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | | |
| | 1.6 Load centre distance | | c | mm | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | | |
| | 1.8 Load distance, centre of drive axle to fork | | x | mm | 715 ¹ | 695 ¹ | 695 ¹ | 695 ¹ | 638 | 709 ³ | 709 ³ | 652 ³ | 721 | 721 | 697 | 641 ³ | 641 ³ | 617 ³ | |
| | 1.9 Wheel base | | y | mm | 1157 Li-Ion: 1177 | 1157 Li-Ion: 1177 | 1157 Li-Ion: 1177 | 1157 Li-Ion: 1177 | 1291 | 1291 | 1291 | 1291 | 1322 | 1322 | 1322 | 1322 | 1322 | 1256 ^{3,5} | |
| Weights | 2.1 Service weight incl. battery | | | kg | 708 | 788 | 788 | 788 | 935 | 909 | 909 | 1056 | 1042 | 1042 | 1174 | 1048 | 1048 | 1180 | |
| | 2.2 Axle loading laden | | drive end/load end | kg | 670/1038 | 695/1093 | 720/1268 | 720/1268 | 770/1365 | 759/1350 | 759/1350 | 814/1442 | 813/1629 | 813/1629 | 868/1707 | 872/1576 | 872/1576 | 925/1655 | |
| | 2.3 Axle loading unladen | | drive end/load end | kg | 518/190 | 572/216 | 572/216 | 572/216 | 651/284 | 643/266 | 643/266 | 710/346 | 736/307 | 736/307 | 816/359 | 742/307 | 742/307 | 820/360 | |
| Tyres/chassis | 3.1 Tyres | | | | Solid rubber | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | Polyurethane | | |
| | 3.2 Tyre size | | drive end | mm | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | Ø 230 x 75 | | |
| | 3.3 Tyre size | | load end | mm | 1x Ø 85 x 100 | 1x Ø 85 x 100 | 1x Ø 85 x 100 | 1x Ø 85 x 100 | 1x Ø 85 x 100 | 1x Ø 85 x 85 | 1x Ø 85 x 85 | 1x Ø 85 x 85 | 1x Ø 85 x 100 | 1x Ø 85 x 100 | 1x Ø 85 x 85 | 1x Ø 85 x 85 | 1x Ø 85 x 85 | | |
| | 3.4 Support castor size | | | mm | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | Ø 140 x 54 | | |
| | 3.5 Number of wheels (x = driven) | | drive end/load end | | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | 1 x -1/2 | |
| | 3.6 Tread | | drive end/load end | b ₁₀ /b ₁₁ | mm | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | 518/380 | | |
| | 4.2 Height | | mast lowered | h ₁ | mm | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | | |
| | 4.3 Free lift | | | h ₂ | mm | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | | |
| | 4.4 Lift | | | h ₃ | mm | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | | |
| | 4.5 Height | | mast extended | h ₄ | mm | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | See mast table | | |
| | 4.6 Initial lift | | | h ₅ | mm | - | - | - | - | 130 | 130 | 130 | - | - | - | - | 130 | | |
| | 4.9 Height drawbar in driving position | | min./max. | h ₁₄ | mm | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | 740/1230 | | |
| | 4.15 Fork height, lowered | | | h ₁₃ | mm | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | | |
| Dimensions | 4.19 Overall length | | | l ₁ | mm | 1768 Li-Ion: 1788 | 1788 Li-Ion: 1808 | 1788 Li-Ion: 1808 | 1788 Li-Ion: 1808 | 1845 Li-Ion: 1865 | 1907 | 1907 | 1964 | 1927 ⁶ | 1927 ⁶ | 1951 ⁶ | 1940 ^{5,6} | 1940 ^{5,6} | 1964 ^{5,6} |
| | 4.20 Length to face of forks | | | l ₂ | mm | 618 ¹ Li-Ion: 638 ¹ | 638 ¹ Li-Ion: 658 ¹ | 638 ¹ Li-Ion: 658 ¹ | 638 ¹ Li-Ion: 658 ¹ | 695 Li-Ion: 715 | 757 ¹ | 757 ¹ | 814 | 777 | 777 | 801 | 790 ⁵ | 790 ⁵ | 814 ⁵ |
| | 4.21 Overall width | | | b ₁ | mm | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| | 4.22 Fork dimensions | | | s/e/l | mm | 65/180/1150 | 65/180/1150 | 65/180/1150 | 65/180/1150 | 60/180/1150 | 65/180/1150 | 65/180/1150 | 60/180/1150 | 55/182/1150 | 55/182/1150 | 55/182/1150 | 55/182/1150 | 55/182/1150 | |
| | 4.24 Fork carriage width | | | b ₃ | mm | 534 ¹ | 534 ¹ | 534 ¹ | 534 ¹ | 710 | 534 | 534 | 710 | 780 | 780 | 780 | 780 | 780 | |
| | 4.25 Overall fork width | | | b ₅ | mm | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | |
| | 4.32 Ground clearance, centre of wheel base | | | m ₂ | mm | 30 | 30 | 30 | 30 | 30 | 20/150 | 20/150 | 20/150 | 30 | 30 | 30 | 30 | 20 | |
| | 4.34 Aisle width for pallets 800 x 1200 lengthways | | | A _{st} | mm | 2247 Li-Ion: 2267 | 2263/2251 ² Li-Ion: 2283/2271 ² | 2263/2251 ² Li-Ion: 2283/2271 ² | 2263/2251 ² Li-Ion: 2283/2271 ² | 2308/2296 ² Li-Ion: 2328/2316 ² | 2391/2378 ³ /2369 ^{2,3} | 2391/2378 ³ /2369 ^{2,3} | 2434/2423 ³ /2414 ^{2,3} | 2397/2389 ² | 2397/2389 ² | 2416/2408 ² | 2398 ^{3,5} /2389 ^{2,3,5} | 2398 ^{3,5} /2389 ^{2,3,5} | 2418 ^{3,5} /2409 ^{2,3,5} |
| | 4.35 Turning radius | | | W _s | mm | 1418 Li-Ion: 1438 | 1418/1406 ² Li-Ion: 1438/1426 ² | 1418/1406 ² Li-Ion: 1438/1426 ² | 1418/1406 ² Li-Ion: 1438/1426 ² | 1544 ⁴ /1535 ^{2,3} | 1544 ⁴ /1535 ^{2,3} | 1544 ⁴ /1535 ^{2,3} | 1544 ⁴ /1535 ^{2,3} | 1573 ⁴ /1565 ^{2,4} | 1573 ⁴ /1565 ^{2,4} | 1573 ⁴ /1565 ^{2,4} | 1511 ^{4,5} /1502 ^{2,4,5} | 1511 ^{4,5} /1502 ^{2,4,5} | |
| | Performance data | 5.1 Travel speed | | laden/unladen | km/h | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | |
| 5.1.1 Travel speed, backwards | | laden/unladen | km/h | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | 6.0/6.0 | | | |
| 5.2 Lift speed | | laden/unladen | m/s | 0.12/0.16 | 0.11/0.23 | 0.11/0.20 | 0.15/0.30 | 0.15/0.26 | 0.15/0.26 | 0.15/0.30 | 0.15/0.26 | 0.15/0.26 | 0.14/0.25 | 0.14/0.25 | 0.14/0.25 | 0.14/0.25 | | | |
| 5.3 Lowering speed | | laden/unladen | m/s | 0.23/0.23 | 0.30/0.28 | 0.31/0.25 | 0.40/0.30 | 0.29/0.31 | 0.29/0.31 | 0.40/0.30 | 0.29/0.31 | 0.29/0.31 | 0.34/0.26 | 0.34/0.19 | 0.29/0.19 | 0.34/0.26 | 0.34/0.19 | 0.29/0.19 | |
| 5.8 Max. gradeability kB 5 | | laden/unladen | % | 5/10 | 5/10 | 5/10 | 5/10 | 5/10 | 5/10 | 7/15 | 7/15 | 7/15 | 5/10 | 5/10 | 5/10 | 5/10 | 7/15 | | |
| 5.9 Acceleration time over 10 m | | laden/unladen | m/s | 8.0/7.0 | 8.0/7.0 | 8.0/7.0 | 8.3/7.0 | 8.3/7.0 | 8.3/7.0 | 8.4/7.5 | 8.4/7.5 | 8.4/7.5 | 8.0/7.0 | 8.0/7.0 | 8.0/7.0 | 8.0/7.0 | | | |
| 5.10 Service brake | | | | | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | Electromagnetic | | | |
| Electric engine | 6.1 Drive motor rating S2 = 60 min | | | kW | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | | |
| | 6.2 Lift motor rating S3 = 15% | | | kW | 2.2/5% | 1.5/7% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | 3.2/10% | | |
| | 6.3 Battery according to DIN 43531/35/36 A, B, C, no | | | | No | No | No | No | No | No | No | No | No | DIN 43535 B - No ⁷ | DIN 43535 B - No ⁷ | No | No | | |
| | 6.4 Battery voltage/Rated capacity K _s | | | V/Ah | 24/150 Li-Ion: 24/82 | 24/150 Li-Ion: 24/82 | 24/150 Li-Ion: 24/82 | 24/150 Li-Ion: 24/82 | 24/150 Li-Ion: 24/82 | 24/165 | 24/165 | 24/165 | 24/165 | 24/250 - 24/315 ⁷ Li-Ion: 24/82 | 24/250 - 24/315 ⁸ | 24/250 - 24/315 ⁸ | 24/250 - 24/315 ⁸ | | |
| | 6.5 Battery weight ±5% (depends on make) | | | kg | 195/51 (A1) | 195/51 (A1) | 195/51 (A1) | 195/51 (A1) | 195/51 (A1) | 200 | 200 | 200 | 212-263 ⁷ /51 (A1) | 212-263 ⁷ /51 (A1) | 200 - 249 ⁸ | 200 - 249 ⁸ | | | |
| | 6.6 Energy consumption according to VDI cycle | | | kWh/h | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 1.00 | 1.00 | 1.00 | 1.14 | 1.14 | 1.14 | 1.14 | | | |
| Misc. | 8.1 Drive control | | | | AC control | AC control | AC control | AC control | AC control | AC control | AC control | AC control | AC control | AC control | AC control | AC control | | | |
| | 8.4 Sound pressure level at driver's ear | | | dB(A) | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 67 | 67 | 67 | 67 | | | |

¹ With fork width s = 60 mm for pallet cage l₂ + 44 mm (measure x - 44 mm) for single mast + 35 mm (measure x - 35 mm) for tele and NiHo mast; b₃ = 710 mm

² Values with tiller in creep speed position

³ Initial lift raised; with initial lift lowered: EXV 12i (measure x + y + 71 mm); EXV 14i C (measure x + 80 mm)

⁴ Initial lift raised; with initial lift lowered: EXV 12i W_s + 67 mm; EXV 14i C + 75 mm

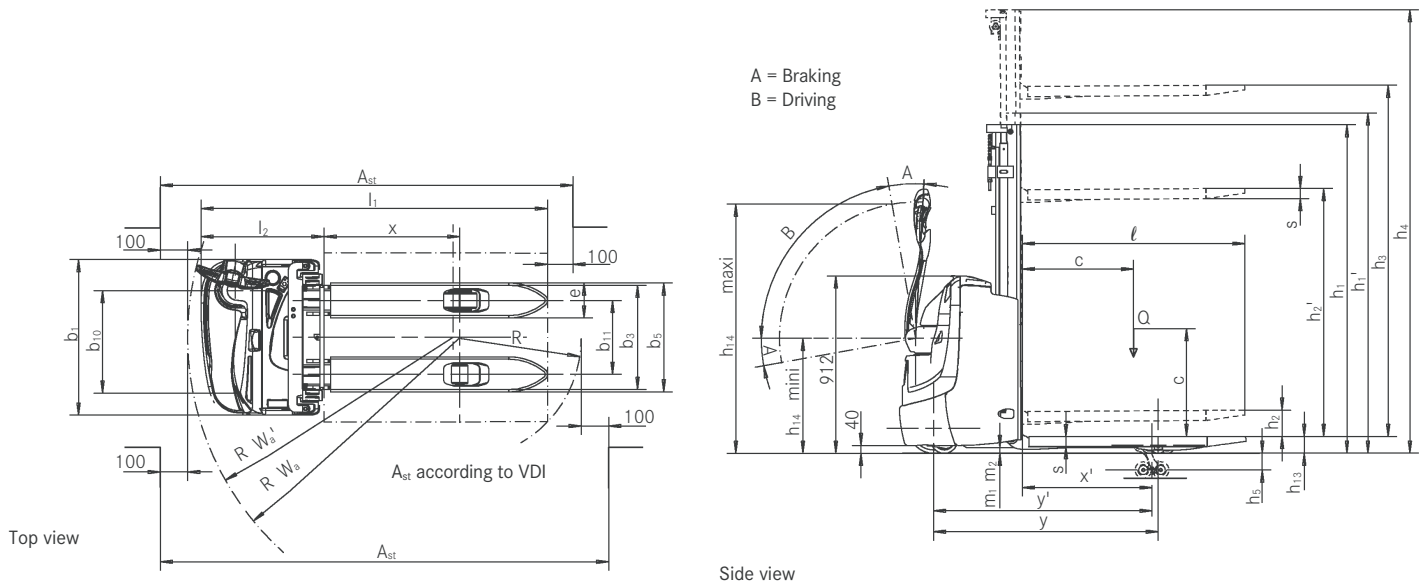
⁵ With tray 66: + 45 mm

⁶ With fork length 1150 mm; with fork length 950: - 200 mm

⁷ With tray 65 (lateral battery change)

⁸ With tray 66

EXV 10 - EXV 14 C High Lift Pallet Truck
 Technical Drawings



Mast Tables

| | | | Single | | Tele | | | | | | |
|------------------|---|--------|--------------|------|---------------------------|------|------|------|------|------|------|
| | | | EXV 10 Basic | | EXV 10 - EXV 12 - EXV 12i | | | | | | |
| EXV 10 - EXV 12i | Height | h_1 | mm | 1940 | 2390 | 1490 | 1690 | 1940 | 2140 | 2390 | 2590 |
| | Most height with used free lift ($h_3 = 150$ mm) | h_1' | mm | 1940 | 2390 | 1565 | 1765 | 2015 | 2215 | 2465 | 2665 |
| | Free lift ¹ | h_2 | mm | 1462 | 1912 | 150 | 150 | 150 | 150 | 150 | 150 |
| | Lift | h_3 | mm | 1462 | 1912 | 2024 | 2424 | 2924 | 3324 | 3824 | 4224 |
| | Height, mast extended ² | h_4 | mm | - | - | 2502 | 2902 | 3402 | 3802 | 4302 | 4702 |

| | | | NiHo | | | | | | Triplex | | |
|------------------|---|--------|---------------------------|------|------|------|------|------|------------------|------|------|
| | | | EXV 10 - EXV 12 - EXV 12i | | | | | | EXV 12 - EXV 12i | | |
| EXV 10 - EXV 12i | Height | h_1 | mm | 1490 | 1690 | 1940 | 2140 | 2390 | 2590 | 1690 | 1940 |
| | Most height with used free lift ($h_3 = 150$ mm) | h_1' | mm | 1490 | 1690 | 1940 | 2140 | 2390 | 2590 | 1690 | 1940 |
| | Free lift ¹ | h_2 | mm | 1012 | 1212 | 1462 | 1662 | 1912 | 2112 | 1212 | 1462 |
| | Lift | h_3 | mm | 2024 | 2424 | 2924 | 3324 | 3824 | 4224 | 3636 | 4386 |
| | Height, mast extended ² | h_4 | mm | 2502 | 2902 | 3402 | 3802 | 4302 | 4702 | 4118 | 4868 |

¹ With load backrest - 404 mm

² With load backrest + 404 mm

| | | | Tele | | | | | | | |
|----------------------|---|--------|----------------------|------|------|------|------|------|------|------|
| | | | EXV 14 C - EXV 14i C | | | | | | | |
| EXV 14 C - EXV 14i C | Height | h_1 | mm | 1415 | 1665 | 1915 | 2115 | 2365 | 2565 | 2815 |
| | Most height with used free lift ($h_3 = 150$ mm) | h_1' | mm | 1490 | 1740 | 1990 | 2190 | 2440 | 2640 | 2890 |
| | Free lift ¹ | h_2 | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| | Lift | h_3 | mm | 1844 | 2344 | 2844 | 3244 | 3744 | 4144 | 4644 |
| | Height, mast extended ² | h_4 | mm | 2364 | 2864 | 3364 | 3764 | 4264 | 4664 | 5164 |

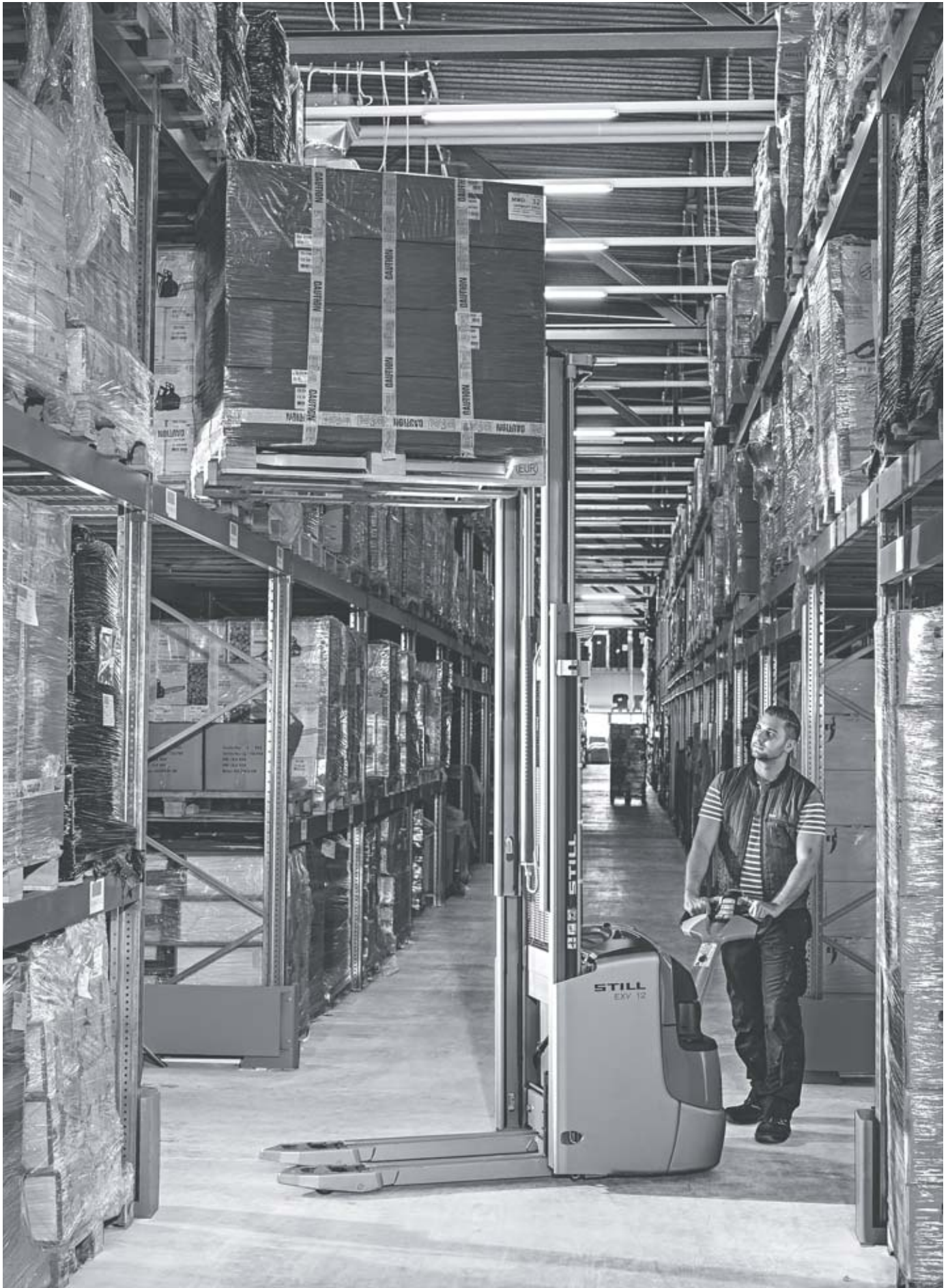
| | | | NiHo | | | | | | Triplex | | | | | |
|----------------------|---|--------|----------------------|------|------|------|------|------|---------|------|------|------|------|------|
| | | | EXV 14 C - EXV 14i C | | | | | | | | | | | |
| EXV 14 C - EXV 14i C | Height | h_1 | mm | 1415 | 1665 | 1915 | 2115 | 2365 | 2565 | 1665 | 1915 | 2065 | 2265 | 2315 |
| | Most height with used free lift ($h_3 = 150$ mm) | h_1' | mm | 1415 | 1665 | 1915 | 2115 | 2365 | 2565 | 1665 | 1915 | 2065 | 2265 | 2315 |
| | Free lift ¹ | h_2 | mm | 895 | 1145 | 1395 | 1595 | 1845 | 2045 | 1145 | 1395 | 1545 | 1745 | 1795 |
| | Lift | h_3 | mm | 1844 | 2344 | 2844 | 3244 | 3744 | 4144 | 3516 | 4266 | 4716 | 5316 | 5466 |
| | Height, mast extended ² | h_4 | mm | 2364 | 2864 | 3364 | 3764 | 4264 | 4664 | 4036 | 4786 | 5236 | 5836 | 5986 |

¹ With load backrest - 566 mm

² With load backrest + 566 mm

NiHo: High stacking under low roof

EXV 10 - EXV 14 C High Lift Pallet Truck
Power meets innovation



EXV 10 - EXV 14 C High Lift Pallet Truck
Detailed Photos



Tangibly better: control elements can be easily differentiated by their tactile characteristics



Best suited to ramps: initial lift helps the EXV drive up ramps with ease



Optional initial lift gives greater ground clearance on uneven floors



Easy threading into the pallets: fast and precise operation thanks to rounded forks



Hands free: practical storage compartments and a writing pad with built-in clipboard



Unauthorised access not possible: Access authorisation by key, PIN code, chip or card



EXV 10 - EXV 14 C High Lift Pallet Truck

Power meets innovation

Optimum utilisation of storage area: high storage compaction due to high residual load capacity

Always safe with OPTISPEED: Travel speed adapts to tiller angle

Impressive reloading of pallets: fast operation due to compact dimensions



Everything you need to know about EXV pallet stackers fitted with unique OPTISPEED tillers. The speed of this manually guided warehouse assistant is automatically modified depending on the distance between the operator and the truck. The control elements of the tiller are not only equally suited to left and right-handed operators, but the operator does not even have to look during operation: all of the push buttons can be easily differentiated from each other without looking due to their tactile characteristics. They also can be reached comfortably with one hand without grasping.

And as if that wasn't enough: the truck is particularly impressive on ramps due to its stability and automatic stopping capability whenever the tiller is released. Sophisticated lower damping which smoothly slows down the lowering speed shortly before floor contact, protects goods during the storage processes. The EXV makes it possible for goods to be more densely packed in storage and easily removed than ever before. Its high residual load capacity and extraordinary mobility make this compact pallet truck unbeatable when it comes to moving a large quantities of goods quickly and safely in confined spaces using a manual device – regardless of being moved around the pre-storage area or placed onto shelving.

Extensive Equipment

Power

- Enough power for multiple shifts: high battery capacity and optional lateral battery changing
- Extreme availability: the lithium-ion battery possesses incredible energy and allows for quick and easy interim charging
- Optimum utilisation of storage area: high storage compaction due to high residual load capacity
- Powerful, reliable and low-maintenance AC drive motor
- Impressive reloading of pallets due to excellent battery capacity

Precision

- Compact and mobile: gets to work effortlessly in confined spaces and narrow aisles
- Two drive programs for extreme accuracy – ECO and BOOST
- Exaktes Arbeiten auch auf engstem Raum: Feinfühlige Hub- / Senkbetätigung und optionale Schleichfahrtfunktion möglich
- Protection of the transported goods due to lower damping and precise lifting and lowering steering
- Fast and precise operation thanks to rounded forks for easy threading into the pallets

Ergonomics

- Non-fatiguing operation thanks to ergonomically optimised control elements, which are suitable for both left and right-handed operators
- Fast operation, without needing to look at the buttons: buttons can be clearly differentiated by their tactile characteristics
- Optional lateral battery change for even greater availability

Compactness

- Impressive reloading of pallets: fast operation due to compact dimensions
- Extremely mobile due to short and narrow design

Safety

- Always safe out and about due to tiller angle-dependent speed: speed is automatically modified depending on the distance between the operator and the truck (not possible with EXV Basic)
- Safe operation in every situation due to perfectly positioned and sensitive impact plate
- Always the best view of the load and prongs thanks to wide mast
- Excellent driver safety due to automatic braking when tiller is released
- Safe operation even in confined spaces: curved tiller shape protects the driver from getting trapped in front

Environmental Responsibility

- Low operating costs: low energy consumption and long maintenance intervals
- Energy efficient due to energy recovery when braking

EXV 10 - EXV 14 C High Lift Pallet Truck Equipment Variants



| | EXV 10 Basic | EXV 10 | EXV 12 | EXV 12i | EXV 14 C | EXV 14i C |
|-----------------------------|--|--------|--------|---------|----------|-----------|
| General | Integrated storage facilities | ● | ● | ● | ● | ● |
| | Easy-grip tiller for left and right-handed operators | ● | ● | ● | ● | ● |
| | Two-stage selector switch for high-precision lifting and lowering | ● | ● | ● | ● | ● |
| | Various fork lengths | ○ | ○ | ○ | ○ | ○ |
| | Cold storage version | ○ | ○ | ○ | ○ | ○ |
| | Proportional valve technology for sensitive movements | — | ● | ● | ● | ● |
| Mast | Single mast | ● | — | — | — | — |
| | Tele mast | — | ○ | ○ | ○ | ○ |
| | NiHo mast | — | ○ | ○ | ○ | ○ |
| | Triplex mast | — | — | ○ | ○ | ○ |
| | Lift unit protective grille | ● | ● | ● | ● | ● |
| | Protective mast screen made from polycarbonate | — | ○ | ○ | ○ | ○ |
| | Load capacity display | — | ○ | ○ | ○ | ○ |
| | Initial lift | — | — | — | ● | — |
| Wheels | Drive wheel tyres, polyurethane | ● | ● | ● | ● | ● |
| | Drive wheel tyres, polyurethane, profiled | — | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber | — | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber, profiled | — | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber, natural-coloured | — | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber, natural-coloured, profiled | — | ○ | ○ | ○ | ○ |
| | Load roller tyres, polyurethane, single | ● | ● | ● | ● | ● |
| | Load roller tyres, polyurethane, tandem | — | ○ | ○ | ○ | ○ |
| | Fully enclosed components which are impervious to dirt and dust | ● | ● | ● | ● | ● |
| Safety | FleetManager: Access authorisation, Shock detection, Reports | ○ | ○ | ○ | ○ | ○ |
| | OPTISPEED tiller steering | — | ○ | ● | ● | ● |
| | Driving at creep speed and lifting/lowering with vertical tiller | — | ○ | ○ | ○ | ○ |
| | PIN code access | ○ | ○ | ○ | ○ | ○ |
| | Foot guard | ○ | ○ | ○ | ○ | ○ |
| | Load backrest | ○ | ○ | ○ | ○ | ○ |
| | Load capacity indicator | — | ○ | ○ | ○ | ○ |
| Battery system | Battery changing from the side with roller track | — | — | — | ○ | — |
| | Battery changing using crane | ● | ● | ● | ● | ● |
| | Battery compartment for 150 Ah to 200 Ah batteries | ● | ● | ● | — | — |
| | Battery compartment for 225 Ah to 235 Ah batteries | — | — | — | ● | — |
| | Battery compartment for 200 Ah to 250 Ah batteries | — | — | — | — | ● |
| | Battery compartment for 240 Ah to 315 Ah batteries | — | — | — | — | ○ |
| | Battery compartment for 240 Ah to 315 Ah batteries, for lateral battery change | — | — | — | — | ○ |
| 82 Ah STILL Li-Ion battery | ○ | ○ | ○ | — | ○ | |
| 164 Ah STILL Li-Ion battery | ○ | ○ | ○ | — | ○ | |

● Standard ○ Optional — Not available

EXV 14 - EXV 20 High Lift Pallet Truck Mast Tables

| | | | | Tele | | | | | | |
|--|---|--------|----|-------------------------------------|------|------|------|------|------|------|
| | | | | EXV 14 - EXV 14i - EXV 16 - EXV 16i | | | | | | |
| EXV 14 - EXV 14i - EXV 16 - EXV 16i | Height | h_1 | mm | 1415 | 1665 | 1915 | 2115 | 2365 | 2565 | 2815 |
| | Mast height with used free lift ($h_3 = 150$ mm) | h_1' | mm | 1490 | 1740 | 1990 | 2190 | 2440 | 2640 | 2890 |
| | Free lift ¹ | h_2 | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| | Lift | h_3 | mm | 1844 | 2344 | 2844 | 3244 | 3744 | 4144 | 4644 |
| | Height, mast extended ³ | h_4 | mm | 2364 | 2864 | 3364 | 3764 | 4264 | 4664 | 5164 |

| | | | | NiHo | | | | | Triplex | | | | | | | | |
|--|------------------------------------|-------|----|-------------------------------------|------|------|------|------|---------|------|------|------|------|------|------|------|------|
| | | | | EXV 14 - EXV 14i - EXV 16 - EXV 16i | | | | | | | | | | | | | |
| EXV 14 - EXV 14i - EXV 16 - EXV 16i | Height | h_1 | mm | 1415 | 1665 | 1915 | 2115 | 2365 | 2565 | 1665 | 1915 | 2065 | 2165 | 2265 | 2315 | 2365 | 2365 |
| | Free lift ¹ | h_2 | mm | 895 | 1145 | 1395 | 1595 | 1845 | 2045 | 1145 | 1395 | 1545 | 1645 | 1745 | 1795 | 1845 | 1845 |
| | Lift | h_3 | mm | 1844 | 2344 | 2844 | 3244 | 3744 | 4144 | 3516 | 4266 | 4716 | 5016 | 5316 | 5466 | 5616 | 5616 |
| | Height, mast extended ³ | h_4 | mm | 2364 | 2864 | 3364 | 3764 | 4264 | 4664 | 4036 | 4786 | 5236 | 5536 | 5836 | 5986 | 6136 | 6136 |

¹ - 566 mm with load backrest

² With increased mast height h_1'

³ + 566 mm with load backrest (height above the forks 1000 mm)

| | | | | Tele | | | NiHo | | | Triplex | | |
|------------------------------------|---|--------|------|------------------|------|------|------|------|------|---------|------|------|
| | | | | EXV 20 - EXV 20i | | | | | | | | |
| EXV 20 - EXV 20i | Height | h_1 | mm | 1915 | 2115 | 2365 | 1915 | 2115 | 2365 | 1665 | 1915 | 2065 |
| | Mast height with used free lift ($h_3 = 150$ mm) | h_1' | mm | 1990 | 2190 | 2440 | - | - | - | - | - | - |
| | Free lift ¹ | h_2 | mm | - | - | - | 1315 | 1515 | 1765 | 1065 | 1315 | 1465 |
| | Free lift ² | h_2 | mm | 150 | 150 | 150 | - | - | - | - | - | - |
| | Lift | h_3 | mm | 2684 | 3084 | 3584 | 2684 | 3084 | 3584 | 3276 | 4026 | 4476 |
| Height, mast extended ³ | h_4 | mm | 3284 | 3684 | 4184 | 3284 | 3684 | 4184 | 3876 | 4626 | 5076 | |

¹ - 566 mm with load backrest

² With increased mast height h_1'

³ + 566 mm with load backrest (height above the forks 1080 mm)

NiHo: High stacking under low roof



EXV 14 - EXV 20 High Lift Pallet Truck Detailed Photos



Safety in production: depending on tiller angle, speed is automatically adapted to the distance between the operator and the truck



High availability: compact, robust frame design ensures durability



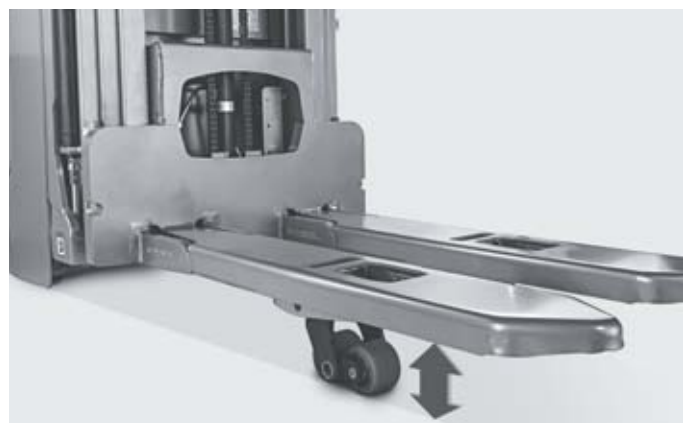
Everything in view, all the time: colour display with a range of language-independent symbols shows you all of the important functions at a glance



Precise in all situations: creep speed also makes it possible to manoeuvre in the most confined of spaces



STILL free view mast always ensures the best view of the tips of the forks



Optional initial lift gives more ground clearance on uneven floors

EXV 14 - EXV 20 High Lift Pallet Truck

Power meets innovation

Optimum utilisation of storage area: high storage compaction due to very high residual load capacity

Everything in view, all the time: colour display with a range of language-independent symbols shows you all of the important functions at a glance

Always available: battery capacities of up to 375 Ah enable long periods of operation



Stronger and more intelligent than the rest – that's the STILL EXV 14-20 high lift pallet truck. Two of its stand-out features are its huge residual load capacity and its smart colour display. The latter provides the operator with basic information, the truck status or the battery's state of charge at a glance at all times, and different language-independent symbols provide optimum support in operation. The smart and extremely mobile warehouse organiser moves pallets weighing up to 2,000 kg quickly, safely and reliably. It can achieve unprecedented reloading of pallets thanks to its powerful and low-maintenance motor and its precise control elements, which are suitable for either left- or right-handed operators.

The letters EXV are not, however, just synonymous with quick goods handling, but also with safe goods handling. The optional load capacity display shows what is possible. The curved tiller shape and the sensitive impact plate protect the driver, and the EXV stops automatically when the tiller is released – even on ramps. The OPTISPEED tiller also adjusts the speed of the EXV to the distance from the operator, while the Curve Speed Control system regulates the speed around bends. This high lift pallet truck, which is as strong as it is smart, allows you to always keep your flow of goods safely under control; from transporting loads within the pre-storage area to operating the shelving system.

Extensive Equipment

Power

- Optimal utilisation of storage space: high storage compaction due to very high residual load capacity
- High reloading performance: powerful, reliable and low-maintenance electrical drive and steering motor
- The right driving programme for all situations: Select maximum turnaround or maximum efficiency: ECO, BOOST or Blue-Q
- Performance boost in production: very high lift and sink speeds
- Brings power to the floor effectively: new chassis ensures optimum traction at all times

Precision

- Fatigue-free operation: precise and intuitive electrical steering unit
- Precise operation even in the most confined spaces: sensitive proportional valve control and optional creep speed function
- Best views for precise operation: free view mast and centrally mounted tiller ensure clear view of the tips of the forks
- Reliable, even in narrow spaces: compact dimensions and high manoeuvrability

Ergonomics

- Ergonomic and intuitive operation: driving, lifting and steering processes can be simultaneously controlled by left- or right-handed operators using just one hand
- Battery changing made easy: optional lateral battery change for even greater availability

- Easing of workload: easy to operate, ergonomically shaped STILL tiller head

Compactness

- Impressive reloading of pallets: compact size allows for quick and safe operation
- Additional storage space for goods: copes with narrow aisles thanks to its compact dimensions and high manoeuvrability

Safety

- Safety in production: OPTISPEED tiller adapts speed automatically depending on distance between the operator and the truck
- Safety in mind: optional load capacity display shows the operator the current mast height and associated residual load capacity at all times
- Safe around corners: Curve Speed Control automatically adapts the speed when cornering to the steering angle

Environmental Responsibility

- Blue-Q efficiency mode allows energy savings of up to 7 per cent at the press of a button with no loss of performance
- Very few noise emissions due to extremely quiet drive and lifting motor
- Over 95 percent of all materials used are recyclable
- ECO driving programme: maximum energy efficiency at the touch of a button

EXV 14 - EXV 20 High Lift Pallet Truck Equipment Variants



| | EXV 14 | EXV 14i | EXV 16 | EXV 16i | EXV 20 | EXV 20i |
|--|--|---------|--------|---------|--------|---------|
| General | Display and operating unit with colour display for selection of driving programme | ● | ● | ● | ● | ● |
| | Integrated storage facilities | ● | ● | ● | ● | ● |
| | Two-tonne load capacity with initial lift when mast is not used | — | ● | — | ● | — |
| | Easy-grip tiller for left and right-handed operators | ● | ● | ● | ● | ● |
| | Two-stage setting option for high-precision lifting and lowering | ● | ● | ● | ● | ● |
| | New Blue-Q energy-saving system | ● | ● | ● | ● | ● |
| | Various non-deflecting fork lengths | ○ | ○ | ○ | ○ | ● |
| | Various fork lengths for pallet cage | ● | ● | ● | ● | — |
| | Accessory bar | ○ | ○ | ○ | ○ | ○ |
| | Electric preparation for data terminal | ○ | ○ | ○ | ○ | ○ |
| | Cold storage version | ○ | ○ | ○ | ○ | ○ |
| | High-performance rotary driving motor has very low maintenance costs | ● | ● | ● | ● | ● |
| | Electrical steering unit: AC steering motor for exceptionally fatigue-free operation | ● | ● | ● | ● | ● |
| | Proportional valve technology for high-precision movements | ● | ● | ● | ● | ● |
| Mast | Duplex mast | ○ | ○ | ○ | ○ | ○ |
| | NiHo mast | ○ | ○ | ○ | ○ | ○ |
| | Triplex mast | ○ | ○ | ○ | ○ | ○ |
| | Mast protective grille | ● | ● | ● | ● | ● |
| | Protective mast screen made from polycarbonate | ○ | ○ | ○ | ○ | ○ |
| | Load capacity display | ○ | ○ | ○ | ○ | ○ |
| | Initial lift | — | ● | — | ● | — |
| | Automatic lowering of initial lift at 1,500 mm mast height | — | ○ | — | ○ | — |
| Wheels | Drive wheel tyres, polyurethane | ● | ● | ● | ● | ● |
| | Drive wheel tyres, polyurethane, profiled | ○ | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber | ○ | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber, profiled | ○ | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, polyurethane (75 Shore) for better traction | ○ | ○ | ○ | ○ | ○ |
| | Drive wheel tyres, solid rubber, natural-coloured | ○ | ○ | ○ | ○ | ○ |
| | Load roller tyres, polyurethane, single | ○ | ○ | ○ | ○ | ○ |
| | Load roller tyres, polyurethane, tandem | ● | ● | ● | ● | ● |
| | Fully enclosed components which are impervious to dirt and dust | ● | ● | ● | ● | ● |
| | Stabilising wheel, single | ● | ● | ● | ● | — |
| | Stabilising wheel, double | ○ | ○ | ○ | ○ | ● |
| Safety | FleetManager: Access authorisation, Shock detection, Reports | ○ | ○ | ○ | ○ | ○ |
| | Curve Speed Control: reduction when driving around corners | ● | ● | ● | ● | ● |
| | OPTISPEED tiller: maximum driving speed controlled by the tiller angle | ● | ● | ● | ● | ● |
| | Vertical tiller creep speed button with lift/lowering | ○ | ○ | ○ | ○ | ○ |
| | Access authorisation with STILL key | ● | ● | ● | ● | ● |
| | PIN code access | ○ | ○ | ○ | ○ | ○ |
| | Load backrest | ○ | ○ | ○ | ○ | ○ |
| Battery system | Dynamic Load Control and load capacity indicator | ○ | ○ | ○ | ○ | ○ |
| | For battery up to 250 Ah for battery replacement using crane | ● | ● | ● | ● | ● |
| | For battery up to 375 Ah for battery replacement using crane | ○ | ○ | ○ | ○ | ○ |
| | For battery up to 375 Ah for battery replacement using roller track and changing frame | ○ | ○ | ○ | ○ | ○ |
| Built-in charger for battery replacement using crane | ○ | ○ | ○ | ○ | ○ | |

● Standard ○ Optional — Not available

UAB Forksis



Contact us

If you have any questions or if you want more information we are at your disposal.

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