

Technical specifications



DX
series

1.5-3.2 t


eco-X


world wide network

24/7
support

STANDARD SPECIFICATIONS

| September 2013 | | Counterbalance trucks Designation according VDI 3586 | Data sheet for materials handling equipment | | | | VDI 2198 Registration note |
|---------------------------|---|---|---|--------------------|--------------|--------------|-------------------------------|
| | | Manufacturers Data and Design Characteristics | | | | | |
| CHARACTERISTICS | 1.1 | Manufacturer | UniCarriers | | | | |
| | 1.2 | Model name | DX-15 | | DX-18 | | |
| | | Model code | P1D1A15LQ | Y1D1A15Q | P1D1A18LQ | Y1D1A18Q | |
| | 1.3 | Power unit: Electric, Diesel, Gasoline, LPG, others | LPG | Diesel | LPG | Diesel | |
| | 1.4 | Operation: Sit, Hand, Pedestrian, Standing, Order picking | Sit | Sit | Sit | Sit | |
| | 1.5 | Load capacity | Q (t) | 1.5 | 1.5 | 1.75 | 1.75 |
| | 1.6 | Load centre | c (mm) | 500 | 500 | 500 | 500 |
| | 1.8 | Front overhang | x (mm) | 400 | 400 | 405 | 405 |
| | 1.9 | Wheel base | y (mm) | 1415 | 1415 | 1415 | 1415 |
| WEIGHTS | 2.1 | Service weight (without battery) | kg | 2625 *1 | 2765 | 2845 *1 | 2985 |
| | 2.2 | Axle load with load, front/rear | kg | 3665/460 | 3705/560 | 4065/530 | 4105/630 |
| | 2.3 | Axle load without load, front/rear | kg | 1210/1415 | 1250/1515 | 1195/1650 | 1235/1750 |
| WHEELS & TIRES | 3.1 | Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic) | P/P | | | | |
| | 3.2 | Tyre size, front | 6.50-10-14PR | 6.50-10-14PR | 6.50-10-14PR | 6.50-10-14PR | |
| | 3.3 | Tyre size, rear | 5.00-8-8PR | 5.00-8-8PR | 5.00-8-8PR | 5.00-8-8PR | |
| | 3.5 | Wheels, number front/rear (x=powered) | 2x/2 | 2x/2 | 2x/2 | 2x/2 | |
| | 3.6 | Tread, front | b10 (mm) | 890 | 890 | 890 | 890 |
| | 3.7 | Tread, rear | b11 (mm) | 900 | 900 | 900 | 900 |
| | DIMENSIONS | 4.1 | Tilt Mast/carriage, forward/backward | α/β (°) | 6/12 | 6/12 | 6/12 |
| 4.2 | | Height mast fully lowered | h_1 (mm) | 1995 | 1995 | 1995 | 1995 |
| 4.3 | | Free lift | h_2 (mm) | 150 | 150 | 155 | 155 |
| 4.4 | | Lift height | h_3 (mm) | 3000 | 3000 | 3000 | 3000 |
| 4.5 | | Height mast fully extended | h_4 (mm) | 3945 | 3945 | 3945 | 3945 |
| 4.7 | | Overhead guard height | h_6 (mm) | 2115 | 2115 | 2115 | 2115 |
| 4.8 | | Seat height/Standing height | h_7 (mm) | 1025 | 1025 | 1025 | 1025 |
| 4.12 | | Towing coupler height | h_{10} (mm) | 245 | 245 | 245 | 245 |
| 4.19 | | Overall length | l_1 (mm) | 3360 | 3360 | 3400 | 3400 |
| 4.20 | | Length to fork face | l_2 (mm) | 2260 | 2260 | 2300 | 2300 |
| 4.21 | | Overall width ¹ | b_1 (mm) | 1080 | 1080 | 1080 | 1080 |
| 4.22 | | Fork dimensions | s,e,l (mm) | 35x100x1100 | 35x100x1100 | 40x100x1100 | 40x100x1100 |
| 4.23 | | Carriage DIN 15173, Class / Form A,B | | 2A | 2A | 2A | 2A |
| 4.24 | | Carriage width | b_3 (mm) | 920 | 920 | 920 | 920 |
| 4.31 | | Mast underclearance loaded | m_1 (mm) | 115 | 115 | 115 | 115 |
| 4.32 | | Underclearance centre wheelbase | m_2 (mm) | 145 | 145 | 145 | 145 |
| 4.33 | Right angle stacking aisle with pallet 1000x1200 across forks | Ast (mm) | 3570 | 3570 | 3600 | 3600 | |
| 4.34 | Right angle stacking aisle with pallet 800x1200 across forks | Ast (mm) | 3380 | 3380 | 3400 | 3400 | |
| 4.35 | Turning radius | Wa (mm) | 1970 | 1970 | 2000 | 2000 | |
| 4.36 | Turning radius, inner | b_{13} (mm) | 135 | 135 | 135 | 135 | |
| PERFORMANCE | 5.1 | Travelling speed with/without load | km/h | 18.5/18.5 | 18/18 | 18.5/18.5 | 18/18 |
| | 5.2 | Lifting speed with/without load | mm/s | 580/630 | 590/650 | 580/630 | 590/650 |
| | 5.3 | Lowering speed with/without load | mm/s | 520/520 | 520/520 | 520/520 | 520/520 |
| | 5.5 | Drawbar pull, with/without load | kN | 15.3/9.1 | 16/9.9 | 15.3/9.1 | 16/9.9 |
| | 5.7 | Gradeability with/without load | % | 39/23 | 38/23 | 35/20 | 36/20 |
| | 5.9 | Acceleration with/without load | s | 4.4/3.8 | 4.3/3.8 | 4.5/3.9 | 4.5/3.9 |
| | 5.10 | Service brake | | Hydraulic | | | |
| DRIVE | 7.1 | Engine manufacturer/type | | K21 | QD32 | K21 | QD32 |
| | 7.2 | Engine rated power according ISO 1585 | kW | 41.5 | 36 | 41.5 | 36 |
| | 7.3 | Rated engine revolutions | min ⁻¹ | 2700 | 2150 | 2700 | 2150 |
| | 7.4 | Number of cylinders/Displacement | cm ³ | 4/2065 | 4/3153 | 4/2065 | 4/3153 |
| | 7.5 | Fuel consumption according VDI cycle (60 cycles/hour) | l/h; kg/h | 2.4 | 2.5 | 2.6 | 2.7 |
| OTHERS | 8.1 | Type of drive control | Torque converter/ ¹ | | | | |
| | 8.2 | Working pressure attachments | bar | 130 | 130 | 130 | 130 |
| | 8.4 | Noise level operator's ear according EN12053 | dB(A) | 77*2 | 79 | 77*2 | 79 |

*) Excluding the weight for LPG bottle **) Noise level at operator's ear in ECO-mode

DIMENSIONS

MAST SPECIFICATIONS & RATED CAPACITIES: DX: 1.5 TONNE

| Mast type | Mast name | Maximum fork height | Overall height | | | Free lift | | Tilt angle Forward/backward | Load capacity ² |
|---------------------------------|-----------------|---------------------|-----------------|------------------|-----------------|------------------|--------------|-----------------------------|----------------------------|
| | | | Fully lowered | Fully extended | | Without backrest | Std backrest | | Load center |
| | | | | Without backrest | Std backrest | | | | 500 mm |
| mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | degrees | 1.5 tonne | | |
| TWO STAGE WIDE VIEW | 2W300 | 3000 | 1995 | 3640 | 3945 | 150 | 150 | 6/12 | 1500 |
| | 2W330 | 3300 | 2145 | 3940 | 4245 | 150 | 150 | 6/12 | 1500 |
| | 2W350 | 3500 | 2280 | 4140 | 4445 | 150 | 150 | 6/12 | 1500 |
| | 2W370 | 3700 | 2405 | 4340 | 4645 | 150 | 150 | 6/12 | 1500 |
| | 2W400 | 4000 | 2595 | 4640 | 4945 | 150 | 150 | 6/6 | 1500 |
| | 2W450 | 4500 | 2845 | 5140 | 5445 | 150 | 150 | 6/6 | 1450 |
| TWO STAGE FULL FREE | 2W500 | 5000 | 3095 | 5640 | 5945 | 150 | 150 | 6/6 | 1350 |
| | 2F300 | 3000 | 1995 | 3675 | 3945 | 1355 | 1085 | 6/12 | 1500 |
| | 2F330 | 3300 | 2145 | 3975 | 4245 | 1505 | 1235 | 6/12 | 1500 |
| | 2F350 | 3500 | 2280 | 4175 | 4445 | 1640 | 1370 | 6/12 | 1500 |
| | 2F370 | 3700 | 2405 | 4375 | 4645 | 1765 | 1495 | 6/12 | 1500 |
| | 2F400 | 4000 | 2595 | 4675 | 4945 | 1955 | 1685 | 6/6 | 1500 |
| THREE STAGE FULL FREE | 3F385 | 3850 | 1845 | 4525 | 4795 | 1205 | 935 | 6/6 | 1500 |
| | 3F430 | 4300 | 1995 | 4975 | 5245 | 1355 | 1085 | 6/6 | 1400 |
| | 3F475 | 4750 | 2145 | 5425 | 5695 | 1505 | 1235 | 6/6 | 1350 |
| | 3F515 | 5150 | 2280 | 5825 | 6095 | 1640 | 1370 | 6/6 | 1300 |
| | 3F550 | 5500 | 2405 | 6175 | 6445 | 1765 | 1495 | 6/6 | 1250 * |
| | 3F600 | 6000 | 2595 | 6675 | 6945 | 1955 | 1685 | 6/6 | 1100 # |
| | 3F650 | 6500 | 2845 | 7175 | 7445 | 2205 | 1935 | 6/6 | 850 # |
| 3F700 | 7000 | 3095 | 7675 | 7945 | 2455 | 2185 | 6/6 | 700 # | |
| THREE STAGE FULL FREE WIDE VIEW | 3V360 | 3600 | 1845 | 4225 | 4545 | 1165 | 935 | 6/6 | 1450 |
| | 3V405 | 4050 | 1995 | 4675 | 4995 | 1315 | 1085 | 6/6 | 1400 |
| | 3V450 | 4500 | 2145 | 5125 | 5445 | 1465 | 1235 | 6/6 | 1350 |
| | 3V490 | 4900 | 2280 | 5525 | 5845 | 1595 | 1370 | 6/6 | 1250 |
| | 3V525 | 5250 | 2405 | 5875 | 6195 | 1725 | 1495 | 6/6 | 1250 * |
| | 3V575 | 5750 | 2595 | 6375 | 6695 | 1915 | 1685 | 6/6 | 1150 # |
| | 3V633 | 6330 | 2845 | 6955 | 7275 | 2165 | 1935 | 6/6 | 850 # |
| | 3V688 | 6880 | 3095 | 7505 | 7825 | 2415 | 2185 | 6/6 | 700 # |

MAST SPECIFICATIONS & RATED CAPACITIES: DX: 1.8 TONNE

| Mast type | Mast name | Max. fork height | Overall height | | | Free lift | | Tilt angle Forward/backward | Load capacity ² |
|---------------------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|--------------|-----------------------------|----------------------------|
| | | | Fully lowered | Fully extended | | Without backrest | Std backrest | | Load center |
| | | | | Without backrest | Std backrest | | | | 1.8 tonne |
| mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | degrees | kg | | |
| TWO STAGE WIDE VIEW | 2W300 | 3000 | 1995 | 3640 | 3945 | 155 | 155 | 6/12 | 1750 |
| | 2W330 | 3300 | 2145 | 3940 | 4245 | 155 | 155 | 6/12 | 1750 |
| | 2W350 | 3500 | 2280 | 4140 | 4445 | 155 | 155 | 6/12 | 1750 |
| | 2W370 | 3700 | 2405 | 4340 | 4645 | 155 | 155 | 6/12 | 1750 |
| | 2W400 | 4000 | 2595 | 4640 | 4945 | 155 | 155 | 6/6 | 1700 |
| | 2W450 | 4500 | 2845 | 5140 | 5445 | 155 | 155 | 6/6 | 1600 |
| TWO STAGE FULL FREE | 2W500 | 5000 | 3095 | 5640 | 5945 | 155 | 155 | 6/6 | 1550 |
| | 2F300 | 3000 | 1995 | 3675 | 3945 | 1360 | 1090 | 6/12 | 1750 |
| | 2F330 | 3300 | 2145 | 3975 | 4245 | 1510 | 1240 | 6/12 | 1750 |
| | 2F350 | 3500 | 2280 | 4175 | 4445 | 1645 | 1375 | 6/12 | 1750 |
| | 2F370 | 3700 | 2405 | 4375 | 4645 | 1770 | 1500 | 6/12 | 1750 |
| | 2F400 | 4000 | 2595 | 4675 | 4945 | 1960 | 1690 | 6/6 | 1750 * |
| THREE STAGE FULL FREE | 3F385 | 3850 | 1845 | 4525 | 4795 | 1210 | 940 | 6/6 | 1700 |
| | 3F430 | 4300 | 1995 | 4975 | 5245 | 1360 | 1090 | 6/6 | 1650 |
| | 3F475 | 4750 | 2145 | 5425 | 5695 | 1510 | 1240 | 6/6 | 1550 |
| | 3F515 | 5150 | 2280 | 5825 | 6095 | 1645 | 1375 | 6/6 | 1450 * |
| | 3F550 | 5500 | 2405 | 6175 | 6445 | 1770 | 1500 | 6/6 | 1350 * |
| | 3F600 | 6000 | 2595 | 6675 | 6945 | 1960 | 1690 | 6/6 | 1200 # |
| | 3F650 | 6500 | 2845 | 7175 | 7445 | 2210 | 1940 | 6/6 | 850 # |
| 3F700 | 7000 | 3095 | 7675 | 7945 | 2460 | 2190 | 6/6 | 700 # | |
| THREE STAGE FULL FREE WIDE VIEW | 3V360 | 3600 | 1845 | 4225 | 4545 | 1170 | 940 | 6/6 | 1650 |
| | 3V405 | 4050 | 1995 | 4675 | 4995 | 1320 | 1090 | 6/6 | 1600 |
| | 3V450 | 4500 | 2145 | 5125 | 5445 | 1470 | 1240 | 6/6 | 1500 |
| | 3V490 | 4900 | 2280 | 5525 | 5845 | 1600 | 1375 | 6/6 | 1400 |
| | 3V525 | 5250 | 2405 | 5875 | 6195 | 1730 | 1500 | 6/6 | 1300 * |
| | 3V575 | 5750 | 2595 | 6375 | 6695 | 1920 | 1690 | 6/6 | 1250 * |
| | 3V633 | 6330 | 2845 | 6955 | 7275 | 2170 | 1940 | 6/6 | 900 # |
| | 3V688 | 6880 | 3095 | 7505 | 7825 | 2420 | 2190 | 6/6 | 700 # |

¹) 1 inch = 25.4 mm 1 kg = 0.4536 lb ²) With single pneumatic tyres unless indicated *³) Load capacity with single super elastic tyres ⁴) Load capacity with double tyres. Truck width: 1480 mm

STANDARD SPECIFICATIONS

| September 2013 | | Counterbalance trucks Designation according VDI 3586 | Data sheet for materials handling equipment | | | | | | | | VDI 2198 Registration note | |
|---------------------------|-----------------------|---|---|--------------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|-------------------------------|------|
| | | Manufacturers Data and Design Characteristics | | | | | | | | | | |
| CHARACTERISTICS | 1.1 | Manufacturer | UniCarriers | | | | | | | | | |
| | 1.2 | Model name | DX-20 | | DX-25 | | DX-30 | | DX-32 | | | |
| | | Model code | U1D2A20LQ | Y1D2A20Q | U1D2A25LQ | Y1D2A25Q | UG1D2A30LQ | YG1D2A30Q | UG1D2A32LQ | YG1D2A32Q | | |
| | 1.3 | Power unit: Electric, Diesel, Gasoline, LPG, others | LPG | Diesel | LPG | Diesel | LPG | Diesel | LPG | Diesel | | |
| | 1.4 | Operation: Sit, Hand, Pedestrian, Standing, Order picking | Sit | Sit | Sit | Sit | Sit | Sit | Sit | Sit | | |
| | 1.5 | Load capacity | Q (t) | 2.0 | 2.0 | 2.5 | 2.5 | 3.0 | 3.0 | 3.2 | 3.2 | |
| | 1.6 | Load centre | c (mm) | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | |
| | 1.8 | Front overhang | x (mm) | 455 | 455 | 455 | 455 | 485 | 485 | 485 | 485 | |
| | 1.9 | Wheel base | y (mm) | 1650 | 1650 | 1650 | 1650 | 1760 | 1760 | 1760 | 1760 | |
| WEIGHTS | 2.1 | Service weight | kg | 3340*1 | 3485 | 3700*1 | 3845 | 4220*1 | 4365 | 4390*1 | 4535 | |
| | 2.2 | Axle load with load, front/rear | kg | 4705/635 | 4780/705 | 5420/780 | 5490/855 | 6385/835 | 6460/910 | 6675/915 | 6750/985 | |
| | 2.3 | Axle load without load, front/rear | kg | 1550/1790 | 1625/1860 | 1475/2225 | 1545/2300 | 1705/2515 | 1780/2590 | 1685/2705 | 1760/2775 | |
| WHEELS & TIRES | 3.1 | Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic) | P/P | | | | | | | | | |
| | 3.2 | Tyre size, front | 7.00-12-14PR | 7.00-12-14PR | 7.00-12-14PR | 7.00-12-14PR | 28x9-15-14PR | 28x9-15-14PR | 28x9-15-14PR | 28x9-15-14PR | | |
| | 3.3 | Tyre size, rear | 6.00-9-10PR | 6.00-9-10PR | 6.00-9-10PR | 6.00-9-10PR | 6.50-10-14PR | 6.50-10-14PR | 6.50-10-14PR | 6.50-10-14PR | | |
| | 3.5 | Wheels, number front/rear (x=powered) | 2x/2 | 2x/2 | 2x/2 | 2x/2 | 2x/2 | 2x/2 | 2x/2 | 2x/2 | | |
| | 3.6 | Tread, front | b10 (mm) | 965 | 965 | 965 | 965 | 1005 | 1005 | 1005 | 1005 | |
| | 3.7 | Tread, rear | b11 (mm) | 975 | 975 | 975 | 975 | 980 | 980 | 980 | 980 | |
| | DIMENSIONS | 4.1 | Tilt Mast/carriage, forward/backward | α/β (°) | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 |
| 4.2 | | Height mast fully lowered | h_1 (mm) | 1995 | 1995 | 1995 | 1995 | 2025 | 2025 | 2025 | 2025 | |
| 4.3 | | Free lift | h_2 (mm) | 155 | 155 | 155 | 155 | 160 | 160 | 160 | 160 | |
| 4.4 | | Lift height | h_3 (mm) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | |
| 4.5 | | Height mast fully extended | h_4 (mm) | 4045 | 4045 | 4045 | 4045 | 4140 | 4140 | 4140 | 4140 | |
| 4.7 | | Overhead guard height | h_6 (mm) | 2130 | 2130 | 2130 | 2130 | 2155 | 2155 | 2155 | 2155 | |
| 4.8 | | Seat height/Standing height | h_7 (mm) | 1040 | 1040 | 1040 | 1040 | 1065 | 1065 | 1065 | 1065 | |
| 4.12 | | Towing coupler height | h_{10} (mm) | 335 | 335 | 335 | 335 | 365 | 365 | 365 | 365 | |
| 4.19 | | Overall length | l_1 (mm) | 3630 | 3630 | 3705 | 3705 | 3870 | 3870 | 3870 | 3870 | |
| 4.20 | | Length to fork face | l_2 (mm) | 2530 | 2530 | 2605 | 2605 | 2770 | 2770 | 2770 | 2770 | |
| 4.21 | | Overall width ¹ | b_1 (mm) | 1155 | 1155 | 1155 | 1155 | 1230 | 1230 | 1230 | 1230 | |
| 4.22 | | Fork dimensions | s,e,l (mm) | 40x100x1100 | 40x100x1100 | 40x100x1100 | 40x100x1100 | 45x100x1100 | 45x100x1100 | 45x100x1100 | 45x100x1100 | |
| 4.23 | | Carriage DIN 15173, Class / Form A,B | | 2A | 2A | 2A | 2A | 3A | 3A | 3A | 3A | |
| 4.24 | | Carriage width | b_3 (mm) | 1020 | 1020 | 1020 | 1020 | 1020 | 1020 | 1020 | 1020 | |
| 4.31 | | Mast underclearance loaded | m_1 (mm) | 115 | 115 | 115 | 115 | 145 | 145 | 145 | 145 | |
| 4.32 | | Underclearance centre wheelbase | m_2 (mm) | 165 | 165 | 165 | 165 | 190 | 190 | 190 | 190 | |
| 4.33 | | Right angle stacking aisle with pallet 1000x1200 across forks | Ast (mm) | 3845 | 3845 | 3905 | 3905 | 4075 | 4075 | 4075 | 4075 | |
| 4.34 | | Right angle stacking aisle with pallet 800x1200 across forks | Ast (mm) | 3585 | 3585 | 3705 | 3705 | 3875 | 3875 | 3875 | 3875 | |
| 4.35 | | Turning radius | Wa (mm) | 2190 | 2190 | 2250 | 2250 | 2390 | 2390 | 2390 | 2390 | |
| 4.36 | Turning radius, inner | b_{13} (mm) | 170 | 170 | 170 | 170 | 160 | 160 | 160 | 160 | | |
| PERFORMANCE | 5.1 | Travelling speed with/without load | km/h | 19/19 | 18/18 | 19/19 | 18/18 | 19/19 | 18.5/18.5 | 19/19 | 18.5/18.5 | |
| | 5.2 | Lifting speed with/without load | mm/s | 620/700 | 620/660 | 620/700 | 620/660 | 520/580 | 510/550 | 470/580 | 490/550 | |
| | 5.3 | Lowering speed with/without load | mm/s | 500/500 | 500/500 | 500/500 | 500/500 | 500/500 | 500/500 | 500/500 | 500/500 | |
| | 5.5 | Drawbar pull, with/without load | kN | 18.5/14.7 | 16.5/15 | 18.5/14.7 | 16.5/15 | 17.4/17.2 | 16.7/17.5 | 17.4/16.7 | 16.7/17.4 | |
| | 5.7 | Gradeability with/without load | % | 34/26 | 29/26 | 29/22 | 24/22 | 23/23 | 21/23 | 22/21 | 20/22 | |
| | 5.9 | Acceleration with/without load | s | 4.3/3.7 | 4.6/3.9 | 4.5/3.8 | 4.8/4.0 | 4.8/4.0 | 5.2/4.2 | 4.8/4.0 | 5.3/4.3 | |
| 5.10 | Service brake | Hydraulic | | | | | | | | | | |
| DRIVE | 7.1 | Engine manufacturer/type | | K25 | QD32 | K25 | QD32 | K25 | QD32 | K25 | QD32 | |
| | 7.2 | Engine rated power according ISO 1585 | kW | 46.9 | 36 | 46.9 | 36 | 46.9 | 36 | 46.9 | 36 | |
| | 7.3 | Rated engine revolutions | min ⁻¹ | 2700 | 2150 | 2700 | 2150 | 2700 | 2150 | 2700 | 2150 | |
| | 7.4 | Number of cylinders/Displacement | cm ³ | 4/2488 | 4/3153 | 4/2488 | 4/3153 | 4/2488 | 4/3153 | 4/2488 | 4/3153 | |
| | 7.5 | Fuel consumption according VDI cycle (60 cycles/hour) | l/h; kg/h | 2.3 | 2.8 | 3.0 | 3.1 | 3.3 | 4.2 | 3.6 | 4.4 | |
| OTHERS | 8.1 | Type of drive control | Torque converter/ ¹ | | | | | | | | | |
| | 8.2 | Working pressure attachments | bar | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | |
| | 8.4 | Noise level operator's ear according EN12053 | dB(A) | 77 ² | 78 | 77 ² | 78 | 77 ² | 78 | 77 ² | 78 | |

*1) Excluding the weight for LPG bottle **2) Noise level at operator's ear in ECO-mode

DIMENSIONS

MAST SPECIFICATIONS & RATED CAPACITIES: DX: 2.0 - 2.5 TONNE

| Mast type | Mast name | Maximum fork height | Overall height | | | | Free lift | | Tilt angle Forward/backward | Load capacity ² Load center 500 mm | | |
|---------------------------------|-----------------------|---------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------------------|---|-----------|-----------|
| | | | Fully lowered | Fully extended | | Without backrest | Std backrest | Without backrest | | Std backrest | 2.0 tonne | 2.5 tonne |
| | | | | Without backrest | Std backrest | | | | | | | |
| mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | degrees | kg ¹ | kg ¹ | | |
| TWO STAGE WIDE VIEW | 2W300 | 3000 | 1995 | 3640 | 4045 | 155 | 155 | 6/12 | 2000 | 2500 | | |
| | 2W330 | 3300 | 2145 | 3940 | 4345 | 155 | 155 | 6/12 | 2000 | 2500 | | |
| | 2W350 | 3500 | 2280 | 4140 | 4545 | 155 | 155 | 6/12 | 2000 | 2500 | | |
| | 2W370 | 3700 | 2405 | 4340 | 4745 | 155 | 155 | 6/12 | 2000 | 2500 | | |
| | 2W400 | 4000 | 2595 | 4640 | 5045 | 155 | 155 | 6/6 | 2000 | 2500 | | |
| | 2W450 | 4500 | 2845 | 5140 | 5545 | 155 | 155 | 6/6 | 1950 | 2400 | | |
| TWO STAGE FULL FREE | 2F300 | 3000 | 1995 | 3675 | 4045 | 1360 | 990 | 6/12 | 2000 | 2500 | | |
| | 2F330 | 3300 | 2145 | 3975 | 4345 | 1510 | 1140 | 6/12 | 2000 | 2500 | | |
| | 2F350 | 3500 | 2280 | 4175 | 4545 | 1645 | 1275 | 6/12 | 2000 | 2500 | | |
| | 2F370 | 3700 | 2405 | 4375 | 4745 | 1770 | 1400 | 6/12 | 2000 | 2500 | | |
| | 2F400 | 4000 | 2595 | 4675 | 5045 | 1960 | 1590 | 6/6 | 2000 | 2500 | | |
| | THREE STAGE FULL FREE | 3F385 | 3850 | 1845 | 4525 | 4895 | 1210 | 840 | 6/6 | 2000 | 2500 | |
| 3F430 | | 4300 | 1995 | 4975 | 5345 | 1360 | 990 | 6/6 | 1950 | 2450 [®] | | |
| 3F475 | | 4750 | 2145 | 5425 | 5795 | 1510 | 1140 | 6/6 | 1800 | 2400 [®] | | |
| 3F515 | | 5150 | 2280 | 5825 | 6195 | 1645 | 1275 | 6/6 | 1800 [®] | 2350 [®] | | |
| 3F550 | | 5500 | 2405 | 6175 | 6545 | 1770 | 1400 | 6/6 | 1750 [®] | 2250 [®] | | |
| 3F600 | | 6000 | 2595 | 6675 | 7045 | 1960 | 1590 | 6/6 | 1650 [®] | 2100 [®] | | |
| 3F650 | | 6500 | 2845 | 7175 | 7545 | 2210 | 1840 | 6/6 | 1400 [®] | 1450 [®] | | |
| 3F700 | | 7000 | 3095 | 7675 | 8045 | 2460 | 2090 | 6/6 | 1000 [®] | 1100 [®] | | |
| THREE STAGE FULL FREE WIDE VIEW | 3V360 | 3600 | 1845 | 4225 | 4645 | 1170 | 840 | 6/6 | 1950 | 2450 | | |
| | 3V405 | 4050 | 1995 | 4675 | 5095 | 1320 | 990 | 6/6 | 1900 | 2400 [®] | | |
| | 3V450 | 4500 | 2145 | 5125 | 5545 | 1470 | 1140 | 6/6 | 1800 | 2350 [®] | | |
| | 3V490 | 4900 | 2280 | 5525 | 5945 | 1600 | 1275 | 6/6 | 1750 [®] | 2300 [®] | | |
| | 3V525 | 5250 | 2405 | 5875 | 6295 | 1730 | 1400 | 6/6 | 1700 [®] | 2250 [®] | | |
| | 3V575 | 5750 | 2595 | 6375 | 6795 | 1920 | 1590 | 6/6 | 1650 [®] | 2100 [®] | | |
| | 3V633 | 6330 | 2845 | 6955 | 7375 | 2170 | 1840 | 6/6 | 1500 [®] | 1700 [®] | | |
| | 3V688 | 6880 | 3095 | 7505 | 7925 | 2420 | 2090 | 6/6 | 1100 [®] | 1200 [®] | | |

¹ 1 inch = 25.4 mm 1 kg = 0.4536 lb ² Capacity with single pneumatic tyres unless indicated [®] With wide, single elastic tyres. Truck width: 1285 mm

MAST SPECIFICATIONS & RATED CAPACITIES: DX: 3.0 - 3.2 TONNE

| Mast type | Mast name | Maximum fork height | Overall height | | | | Free lift | | Tilt angle Forward/backward | Load capacity ² Load center 500 mm | | |
|---------------------------------|-----------------------|---------------------|-------------------|------------------|-----------------|------------------|-----------------|------------------|-----------------------------|---|-----------|-----------|
| | | | Fully lowered | Fully extended | | Without backrest | Std backrest | Without backrest | | Std backrest | 3.0 tonne | 3.2 tonne |
| | | | | Without backrest | Std backrest | | | | | | | |
| mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | mm ¹ | degrees | kg ¹ | kg ¹ | | |
| TWO STAGE WIDE VIEW | 2W300 | 3000 | 2025 | 3675 | 4140 | 160 | 160 | 6/12 | 3000 | 3200 | | |
| | 2W330 | 3300 | 2175 | 3975 | 4440 | 160 | 160 | 6/12 | 3000 | 3200 | | |
| | 2W350 | 3500 | 2310 | 4175 | 4640 | 160 | 160 | 6/12 | 3000 | 3200 | | |
| | 2W370 | 3700 | 2435 | 4375 | 4840 | 160 | 160 | 6/12 | 3000 | 3200 | | |
| | 2W400 | 4000 | 2625 | 4675 | 5140 | 160 | 160 | 6/6 | 3000 | 3200 | | |
| | 2W450 | 4500 | 2875 | 5175 | 5640 | 160 | 160 | 6/6 | 3000 | 3200 | | |
| TWO STAGE FULL FREE | 2F300 | 3000 | 2025 | 3700 | 4140 | 1370 | 930 | 6/12 | 3000 | 3100 | | |
| | 2F330 | 3300 | 2175 | 4000 | 4440 | 1520 | 1080 | 6/12 | 3000 | 3100 | | |
| | 2F350 | 3500 | 2310 | 4200 | 4640 | 1655 | 1215 | 6/12 | 3000 | 3100 | | |
| | 2F370 | 3700 | 2435 | 4400 | 4840 | 1780 | 1340 | 6/12 | 3000 | 3100 | | |
| | 2F400 | 4000 | 2625 | 4700 | 5140 | 1970 | 1530 | 6/6 | 3000 | 3100 | | |
| | THREE STAGE FULL FREE | 3F385 | 3850 | 2025 | 4515 | 4990 | 1405 | 930 | 6/6 | 3000 | 3100 | |
| 3F430 | | 4300 | 2175 | 4965 | 5440 | 1555 | 1080 | 6/6 | 3000 | 3100 | | |
| 3F475 | | 4750 | 2310 [®] | 5415 | 5890 | 1690 | 1215 | 6/6 | 2900 | 3100 | | |
| 3F515 | | 5150 | 2435 | 5815 | 6290 | 1815 | 1340 | 6/6 | 2850 [#] | 3050 [#] | | |
| 3F550 | | 5500 | 2625 | 6165 | 6640 | 2005 | 1530 | 6/6 | 2800 [#] | 3000 [#] | | |
| 3F600 | | 6000 | 2875 | 6665 | 7140 | 2255 | 1780 | 6/6 | 2700 [#] | 2900 [#] | | |
| 3F650 | | 6500 | 3125 | 7165 | 7640 | 2505 | 2030 | 6/6 | 2400 [#] | 2600 [#] | | |
| 3F700 | | 7000 | 3375 | 7665 | 8140 | 2755 | 2280 | 6/6 | 2100 [#] | 2300 [#] | | |
| THREE STAGE FULL FREE WIDE VIEW | 3V385 | 3850 | 2025 | 4505 | 4990 | 1325 | 930 | 6/6 | 3000 | 3100 | | |
| | 3V430 | 4300 | 2175 | 4955 | 5440 | 1475 | 1080 | 6/6 | 2950 | 3100 | | |
| | 3V470 | 4700 | 2310 | 5355 | 5840 | 1605 | 1215 | 6/6 | 2850 | 3050 | | |
| | 3V505 | 5050 | 2435 | 5705 | 6190 | 1735 | 1340 | 6/6 | 2750 [#] | 2950 [#] | | |
| | 3V555 | 5550 | 2625 | 6205 | 6690 | 1925 | 1530 | 6/6 | 2700 [#] | 2900 [#] | | |
| | 3V600 | 6000 | 2875 | 6655 | 7140 | 2175 | 1780 | 6/6 | 2650 [#] | 2850 [#] | | |
| | 3V650 | 6500 | 3125 | 7155 | 7640 | 2425 | 2030 | 6/6 | 2400 [#] | 2600 [#] | | |
| | 3V700 | 7000 | 3375 | 7655 | 8140 | 2545 | 2280 | 6/6 | 2100 [#] | 2300 [#] | | |

¹ 1 inch = 25.4 mm 1 kg = 0.4536 lb ² Capacity with single pneumatic tyres unless indicated [®] special containers mast available: 2175 mm [#] Load capacity with double tyres. Truck width: 1720 mm ^{*)} Load capacity with single superelastic tyre

It's all about
the price.
But what
price?

Reduce your Total Cost of Operation with UniCarriers

We agree. Price is everything. Or to be more specific: your Total Cost of Operation (TCO). That's why we're so focused on cutting costs and improving your material handling. The truck and its performance play an important role, but this is even more about how we can support you in optimising your warehouse operations to give you the best value for your money. Which – in the long run – is what creates a winner.

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U-DX.S.EN/UCE-2015-01

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Some equipment shown on photos are optional.