

MX-X/MX-Q Technical Data Order Picker with Turret Head or Telescopic Fork



MX-X

MX-Q

MX-X order picker with turret head

| | | | | | | |
|----------------------|------------------------------|--|-------------------------|-----------------------------------|--|--|
| Distinguishing marks | 1.1 | Manufacturer | | | STILL | STILL |
| | 1.2 | Type designation of manufacturer | | | MX-X telescopic mast | MX-X triplex mast with free lift |
| | 1.3 | Drive | | | Electric | Electric |
| | 1.4 | Operation | | | Stand-on/rider seated | Stand-on/rider seated |
| | 1.5 | Rated capacity/load | Q | kg | 500 - 1500 | 500 - 1500 |
| | 1.6 | Load centre | c | mm | 600 | 600 |
| Weights | 1.9 | Wheel base | y | mm | 1586 - 2184 | 1586 - 2184 |
| | 2.1 | Tare weight | | kg | variable* | variable* |
| | 2.2 | Axle load laden | drive end/load end | kg | variable* | variable* |
| Tyres / chassis | 2.3 | Axle load unladen | drive end/load end | kg | variable* | variable* |
| | 3.1 | Tyres | | | Polyurethane | Polyurethane |
| | 3.2 | Tyre diameter/width | drive end | mm | ∅ 400/140 | ∅ 406/170 |
| | 3.3 | Tyre diameter/width | load end | mm | ∅ 370/160 | ∅ 370/160 |
| | 3.5 | No. of wheels (x = driven) | drive end/load end | | 1x/2 | 1x/2 |
| | 3.6 | Track width | load end | b ₁₀ mm | variable* | variable* |
| | 3.7 | Track width | drive end | b ₁₁ mm | 0 | 0 |
| Dimensions | 4.2 | Closed mast height | h ₁ | mm | 2400 - 7400 | 2900 - 5900 |
| | 4.3 | Free lift | h ₂ | mm | - | 1650 - 4650 |
| | 4.4 | Lift | h ₃ | mm | 2200 - 11800 | 5050 - 12850 |
| | 4.5 | Extended mast height | h ₄ | mm | 4755 - 14355 | 7605 - 15405 |
| | 4.7 | Height of overhead guard (cabin) | h ₆ | mm | 2555 | 2555 |
| | 4.8 | Height of seat/stand | h ₇ | mm | 430 | 430 |
| | 4.11 | Auxiliary fork lift | h ₉ | mm | 1675 - 2375 | 1675 - 2375 |
| | 4.14 | Stand height, raised | h ₁₂ | mm | 2645 - 12245 | 5495 - 13295 |
| | 4.14.1 | Reach height (h ₁₂ + 1600 mm) | h ₂₈ | mm | 4245 - 13845 | 7095 - 14895 |
| | 4.15 | Height lowered | h ₁₃ | mm | 80 | 80 |
| | 4.19 | Overall length (incl. fork) | l ₁ | mm | variable* | variable* |
| | 4.21 | Overall width | chassis/load wheel axle | b ₁ /b ₂ mm | 1160/1160 - 1800 | 1160/1160 - 1800 |
| | 4.22 | Fork dimensions | s/e/l | mm | variable* | variable* |
| | 4.24 | Width of fork carriage | b ₃ | mm | variable* | variable* |
| | 4.25 | Outer fork width | b ₅ | mm | variable* | variable* |
| | 4.27 | Width over guide rollers | b ₆ | mm | 1170 - 1919 | 1170 - 1919 |
| | 4.29 | Shift, sideways | b ₇ | mm | variable* | variable* |
| | 4.31 | Floor clearance laden, beneath mast | m ₁ | mm | 40 | 40 |
| | 4.32 | Floor clearance laden, centre wheel base | m ₂ | mm | 87 | 87 |
| | 4.34 | Width of working aisle | A _{st} | mm | variable* | variable* |
| 4.35 | Turning radius | W _a | mm | variable* | variable* | |
| 4.38 | Distance to pivot point fork | l ₈ | mm | variable* | variable* | |
| 4.39 | Length of shift carriage | A | mm | variable* | variable* | |
| 4.40 | Width shift frame | B | mm | variable* | variable* | |
| 4.41 | Width shift carriage | F | mm | variable* | variable* | |
| 4.42 | Width of transition aisle | min. A _u | mm | variable* | variable* | |
| Performance data | 5.1 | Driving speed | laden/unladen | km/h | variable* | variable* |
| | 5.2 | Lift speed | laden/unladen | m/s | variable* | variable* |
| | 5.3 | Lowering speed | laden/unladen | m/s | variable* | variable* |
| | 5.4 | Shift speed | laden/unladen | m/s | variable* | variable* |
| | 5.9 | Acceleration time (10 m) | laden/unladen | s | variable* | variable* |
| | 5.10 | Operation brake | | | regenerative | regenerative |
| Electric engine | 6.1 | Drive motor, capacity S2 = 60 min | | kW | 7 | 7 |
| | 6.2 | Lift motor, capacity at S3 = 15% | | kW | 20 - 24 | 20 - 24 |
| | 6.3 | Battery according to IEC 254-2; A, B, C, no | | | IEC 254-2; A | IEC 254-2; A |
| | 6.4 | Battery type, voltage, rated capacity K _s | | V/Ah | PzS, 48 V**, 480 - 1240 Ah/ PzS, 80 V, 420 - 930 Ah | PzS, 48 V**, 480 - 1240 Ah/ PzS, 80 V, 420 - 930 Ah |
| | 6.5 | Weight of battery ±5% (depending on manufacturer) | | kg | 1238 - 2310 | 1238 - 2310 |
| Misc. | 8.1 | Type of truck control | | | micro processor | micro processor |
| | 8.4 | Sound level, driver's ear | | dB(A) | 68 | 68 |

* Scalable values depend on the individual customer requirements.

** 48-V performance class not available for all configurations.

Telescopic mast

(All heights indicated in mm)

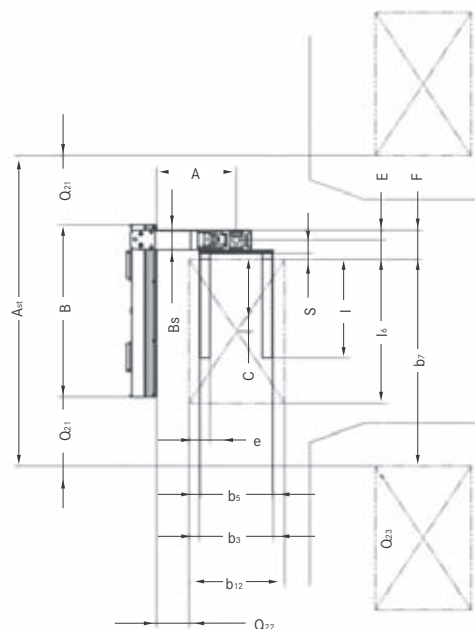
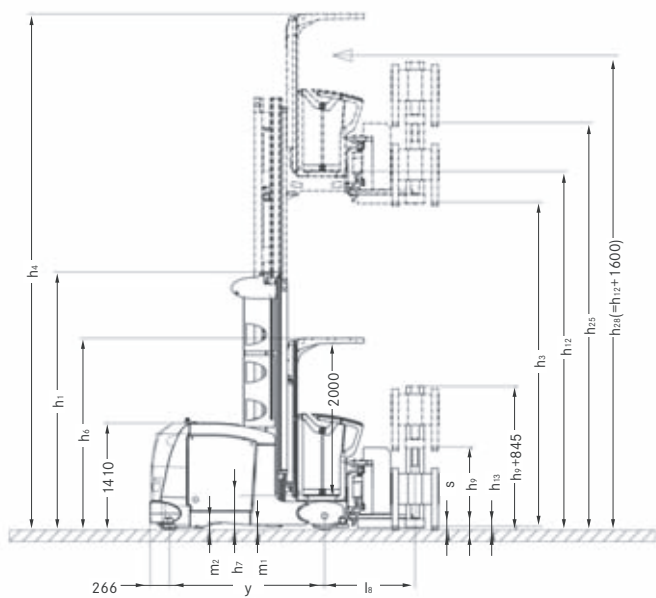
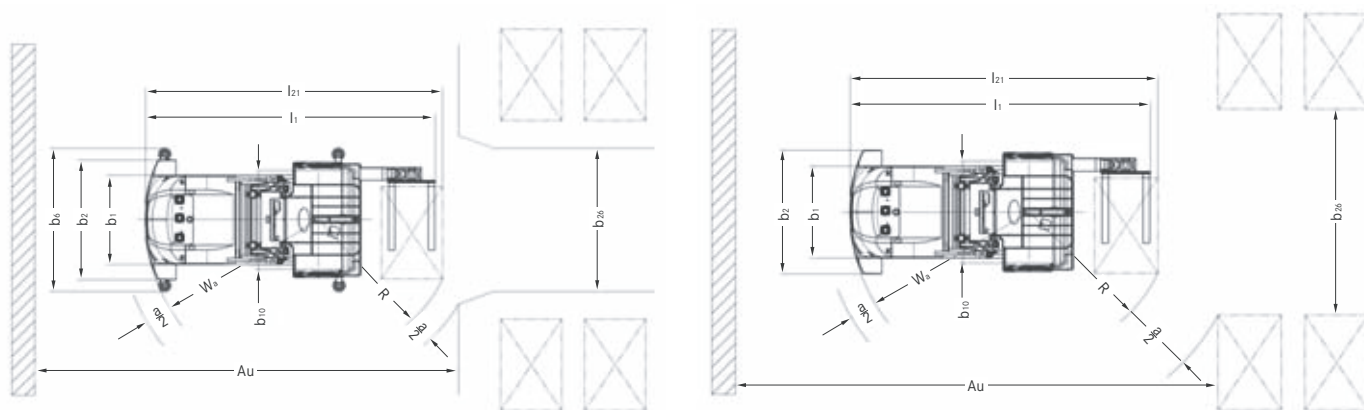
| Closed height h_1 | Overall lift above floor h_{25} ($h_3 + h_9 + h_{13}$) | Overall lift h_{24} ($h_3 + h_9$) | Main lift h_3 | Height lowered h_{13} | Auxiliary lift h_9 | Stand height h_{12} ($h_3 + h_7$) | Reach height h_{28} ($h_7 + 1600$) | Max. height h_4 ($h_3 + h_5$) |
|---------------------|---|--|-----------------|-------------------------|----------------------|--|---|--------------------------------------|
| 7400 | 13535 | 13475 | 11800 | 60 | 1675 | 12245 | 13845 | 14355 |
| 6900 | 12535 | 12475 | 10800 | 60 | 1675 | 11245 | 12845 | 13355 |
| 6400 | 11735 | 11675 | 10000 | 60 | 1675 | 10445 | 12045 | 12555 |
| 5900 | 10735 | 10675 | 9000 | 60 | 1675 | 9445 | 11045 | 11555 |
| 5400 | 9935 | 9875 | 8200 | 60 | 1675 | 8645 | 10245 | 10755 |
| 4900 | 8935 | 8875 | 7200 | 60 | 1675 | 7645 | 9245 | 9755 |
| 4400 | 7935 | 7875 | 6200 | 60 | 1675 | 6645 | 8245 | 8755 |
| 3900 | 6935 | 6875 | 5200 | 60 | 1675 | 5645 | 7245 | 7755 |
| 3400 | 5935 | 5875 | 4200 | 60 | 1675 | 4645 | 6245 | 6755 |
| 2900 | 4935 | 4875 | 3200 | 60 | 1675 | 3645 | 5245 | 5755 |
| 2400 | 3935 | 3875 | 2200 | 60 | 1675 | 2645 | 4245 | 4755 |

(Telescopic mast optimised for 1000 kg to $h_1 = 4900$ mm and optimised for 1150 kg to $h_1 = 5900$ mm.)

Triplex mast with free lift

(All heights indicated in mm)

| Closed height h_1 | Overall lift above floor h_{25} ($h_3 + h_9 + h_{13}$) | Overall lift h_{24} ($h_3 + h_9$) | Main lift h_3 | Free lift h_2 ($h_1 - 1250$) | Height lowered h_{13} | Auxiliary lift h_9 | Stand height h_{12} ($h_3 + h_7$) | Reach height h_{28} ($h_7 + 1600$) | Max. height h_4 ($h_3 + h_5$) |
|---------------------|---|--|-----------------|-------------------------------------|-------------------------|----------------------|--|---|--------------------------------------|
| 5900 | 14585 | 14525 | 12850 | 4650 | 60 | 1675 | 13295 | 14895 | 15405 |
| 5400 | 13285 | 13225 | 11550 | 4150 | 60 | 1675 | 11995 | 13595 | 14105 |
| 4900 | 11785 | 11725 | 10050 | 3650 | 60 | 1675 | 10495 | 12095 | 12605 |
| 4400 | 10485 | 10425 | 8750 | 3150 | 60 | 1675 | 9195 | 10795 | 11305 |
| 3900 | 9185 | 9125 | 7450 | 2650 | 60 | 1675 | 7895 | 9495 | 10005 |
| 3400 | 8085 | 8025 | 6350 | 2150 | 60 | 1675 | 6795 | 8395 | 8905 |
| 2900 | 6785 | 6725 | 5050 | 1650 | 60 | 1675 | 5495 | 7095 | 7605 |



MX-Q order picker with telescopic fork

| | | | | | | | |
|----------------------|--|--|-------------------------|--------------------------------|--|--|------------------|
| Distinguishing marks | 1.1 | Manufacturer | | | STILL | STILL | |
| | 1.2 | Type designation of manufacturer | | | MX-Q Telescopic mast | MX-Q Triplex mast with free lift | |
| | 1.3 | Drive | | | Electric | Electric | |
| | 1.4 | Operation | | | Stand-on/rider seated | Stand-on/rider seated | |
| | 1.5 | Rated capacity/load | Q | kg | 500 - 1250 | 500 - 1250 | |
| | 1.6 | Load centre | c | mm | 600 | 600 | |
| Weights | 1.9 | Wheel base | y | mm | 1586 - 2184 | 1586 - 2184 | |
| | 2.1 | Tare weight | | kg | variable* | variable* | |
| | 2.2 | Axle load laden | drive end/load end | kg | variable* | variable* | |
| Tyres / chassis | 2.3 | Axle load unladen | drive end/load end | kg | variable* | variable* | |
| | 3.1 | Tyres | | | Polyurethane | Polyurethane | |
| | 3.2 | Tyre diameter/width | drive end | mm | ∅ 400/140 | ∅ 406/170 | |
| | 3.3 | Tyre diameter/width | load end | mm | ∅ 370/160 | ∅ 370/160 | |
| | 3.5 | No. of wheels (x = driven) | drive end/load end | | 1x/2 | 1x/2 | |
| | 3.6 | Track width | load end | b ₁₀ | mm | variable* | variable* |
| Dimensions | 4.2 | Closed mast height | h ₁ | mm | 2400 - 7400 | 2900 - 5900 | |
| | 4.3 | Free lift | h ₂ | mm | - | 1650 - 4650 | |
| | 4.4 | Lift | h ₃ | mm | 2200 - 11800 | 5050 - 12850 | |
| | 4.5 | Extended mast height | h ₄ | mm | 4755 - 14355 | 7605 - 15405 | |
| | 4.7 | Height of overhead guard (cabin) | h ₆ | mm | 2555 | 2555 | |
| | 4.8 | Height of seat/stand | h ₇ | mm | 430 | 430 | |
| | 4.11 | Auxiliary fork lift | h ₉ | mm | 800 - 1500 | 800 - 1500 | |
| | 4.14 | Stand height, raised | h ₁₂ | mm | 2645 - 12245 | 5495 - 13295 | |
| | 4.14.1 | Reach height (h ₁₂ + 1600 mm) | h ₂₈ | mm | 4245 - 13845 | 7095 - 14895 | |
| | 4.15 | Height lowered | h ₁₃ | mm | 380 | 380 | |
| | 4.19 | Overall length (incl. fork) | l ₁ | mm | variable* | variable* | |
| | 4.21 | Overall width | chassis/load wheel axle | b ₁ /b ₂ | mm | 1160/1160 - 1800 | 1160/1160 - 1800 |
| | 4.22 | Fork dimensions | s/e/l | mm | variable* | variable* | |
| | 4.25 | Outer fork width | b ₅ | mm | variable* | variable* | |
| | 4.27 | Width over guide rollers | b ₆ | mm | 1170 - 1919 | 1170 - 1919 | |
| | 4.29 | Shift, sideways | b ₇ | mm | variable* | variable* | |
| 4.31 | Floor clearance laden, beneath mast | m ₁ | mm | 40 | 40 | | |
| 4.32 | Floor clearance laden, centre wheel base | m ₂ | mm | 87 | 87 | | |
| 4.34 | Width of working aisle | A _{st} | mm | variable* | variable* | | |
| 4.35 | Turning radius | W _a | mm | variable* | variable* | | |
| 4.38 | Distance to fork pivoting point | l ₈ | mm | variable* | variable* | | |
| 4.42 | Width of transition aisle | min. A _u | mm | variable* | variable* | | |
| Performance data | 5.1 | Driving speed | laden/unladen | km/h | variable* | variable* | |
| | 5.2 | Lift speed | laden/unladen | m/s | variable* | variable* | |
| | 5.3 | Lowering speed | laden/unladen | m/s | variable* | variable* | |
| | 5.4 | Shift speed | laden/unladen | m/s | variable* | variable* | |
| | 5.9 | Acceleration time (10 m) | laden/unladen | s | variable* | variable* | |
| | 5.10 | Operation brake | | | regenerative | regenerative | |
| Electric engine | 6.1 | Drive motor, capacity S2 = 60 min | | kW | 7 | 7 | |
| | 6.2 | Lift motor, capacity at S3 = 15% | | kW | 20 - 24 | 20 - 24 | |
| | 6.3 | Battery according to IEC 254-2; A, B, C, no | | | IEC 254-2; A | IEC 254-2; A | |
| | 6.4 | Battery type, voltage, rated capacity K _s | | V/Ah | PzS, 48 V**, 480 - 1240 Ah/ PzS, 80 V, 420 - 930 Ah | PzS, 48 V**, 480 - 1240 Ah/ PzS, 80 V, 420 - 930 Ah | |
| | 6.5 | Weight of battery ±5% (depending on manufacturer) | | kg | 1238 - 2310 | 1238 - 2310 | |
| Misc. | 8.1 | Type of truck control | | | micro processor | micro processor | |
| | 8.4 | Sound level, driver's ear | | dB(A) | 68 | 68 | |

* Scalable values depend on the individual customer requirements.

** 48-V performance class not available for all configurations.

Telescopic mast

(All heights indicated in mm)

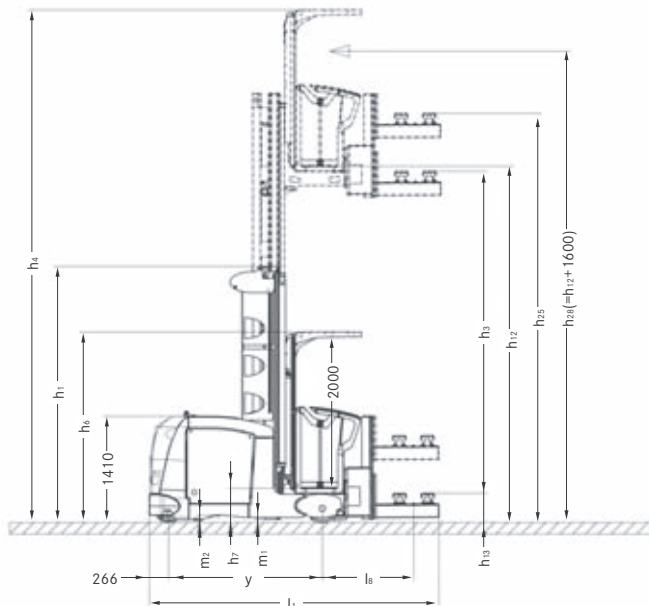
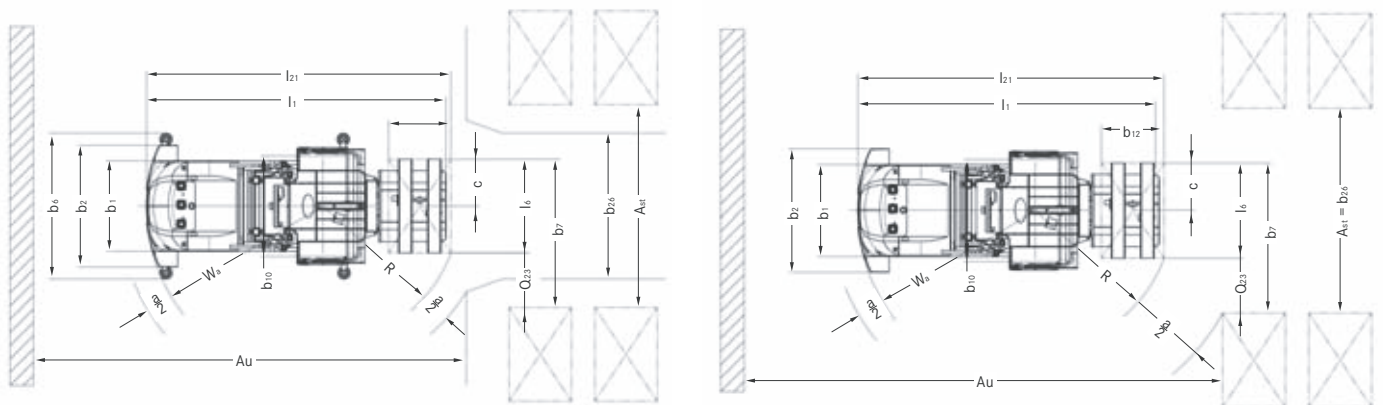
| Closed height h_1 | Overall lift above floor h_{25} ($h_3 + h_9 + h_{13}$) | Overall lift h_{24} ($h_3 + h_9$) | Main lift h_3 | Height lowered h_{13} | Auxiliary lift h_9 | Stand height h_{12} ($h_3 + h_7$) | Reach height h_{28} ($h_7 + 1600$) | Max. height h_4 ($h_3 + h_5$) |
|---------------------|---|--|-----------------|-------------------------|----------------------|--|---|--------------------------------------|
| 7400 | 12980 | 12600 | 11800 | 380 | 800 | 12245 | 13845 | 14355 |
| 6900 | 11980 | 11600 | 10800 | 380 | 800 | 11245 | 12845 | 13355 |
| 6400 | 11180 | 10800 | 10000 | 380 | 800 | 10445 | 12045 | 12555 |
| 5900 | 10180 | 9800 | 9000 | 380 | 800 | 9445 | 11045 | 11555 |
| 5400 | 9380 | 9000 | 8200 | 380 | 800 | 8645 | 10245 | 10755 |
| 4900 | 8380 | 8000 | 7200 | 380 | 800 | 7645 | 9245 | 9755 |
| 4400 | 7380 | 7000 | 6200 | 380 | 800 | 6645 | 8245 | 8755 |
| 3900 | 6380 | 6000 | 5200 | 380 | 800 | 5645 | 7245 | 7755 |
| 3400 | 5380 | 5000 | 4200 | 380 | 800 | 4645 | 6245 | 6755 |
| 2900 | 4380 | 4000 | 3200 | 380 | 800 | 3645 | 5245 | 5755 |
| 2400 | 3380 | 3000 | 2200 | 380 | 800 | 2645 | 4245 | 4755 |

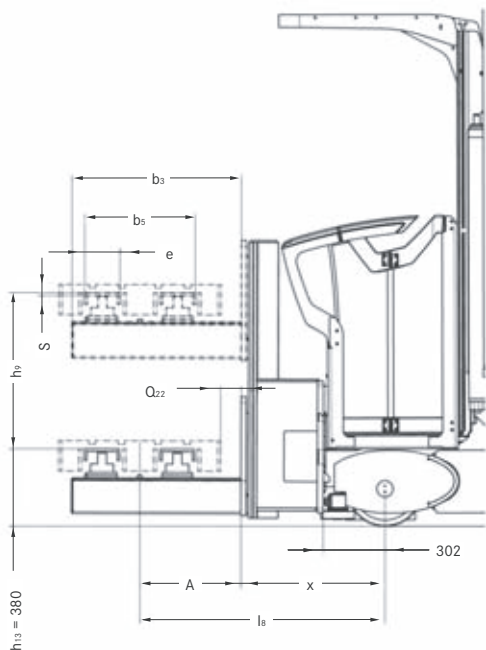
(Telescopic mast optimised for 1000 kg to $h_1 = 4900$ mm and optimised for 1150 kg to $h_1 = 5900$ mm.)

Triplex mast with free lift

(All heights indicated in mm)

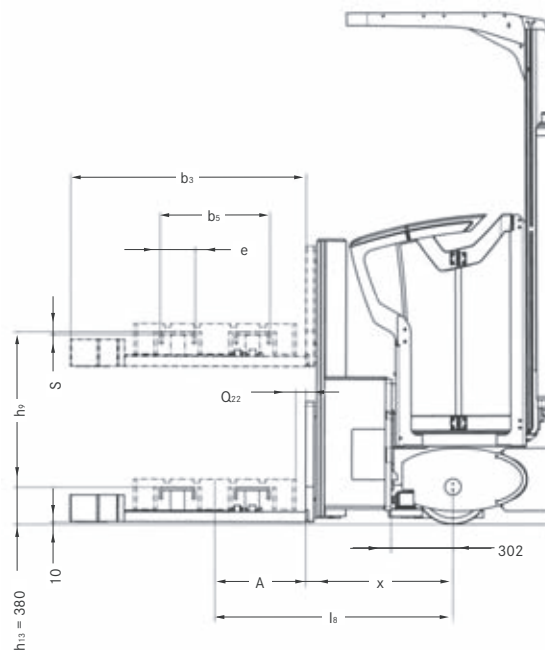
| Closed height h_1 | Overall lift above floor h_{25} ($h_3 + h_9 + h_{13}$) | Overall lift h_{24} ($h_3 + h_9$) | Main lift h_3 | Free lift h_2 ($h_1 - 1250$) | Height lowered h_{13} | Auxiliary lift h_9 | Stand height h_{12} ($h_3 + h_7$) | Reach height h_{28} ($h_7 + 1600$) | Max. height h_4 ($h_3 + h_5$) |
|---------------------|---|--|-----------------|-------------------------------------|-------------------------|----------------------|--|---|--------------------------------------|
| 5900 | 14030 | 13650 | 12850 | 4650 | 380 | 800 | 13295 | 14895 | 15405 |
| 5400 | 12730 | 12350 | 11550 | 4150 | 380 | 800 | 11995 | 13595 | 14105 |
| 4900 | 11230 | 10850 | 10050 | 3650 | 380 | 800 | 10495 | 12095 | 12605 |
| 4400 | 9930 | 9550 | 8750 | 3150 | 380 | 800 | 9195 | 10795 | 11305 |
| 3900 | 8630 | 8250 | 7450 | 2650 | 380 | 800 | 7895 | 9495 | 10005 |
| 3400 | 7530 | 7150 | 6350 | 2150 | 380 | 800 | 6795 | 8395 | 8905 |
| 2900 | 6230 | 5850 | 5050 | 1650 | 380 | 800 | 5495 | 7095 | 7605 |





Standard telescopic fork version

- Narrow aisles.
- Minimum space requirements for the transition aisle.



Low telescopic for versions

- The lowest rack level can be as low as 100 mm above floor for optimum utilisation of space in the lower rack levels.
- Narrow working aisles, minimum space requirements in the transition aisle.

| Standard telescopic fork $h_{13} = 380$ mm | | | | | | | | | $a_{21} = 90$ mm | $a = 200$ mm | Load capacity |
|--|----------------------------|-----|----------|-----|-------|-----------|-------|-------|------------------|-----------------|---------------|
| Model | $l_6 \times b_{12}$ Pallet | A | a_{22} | x | l_8 | h_9 | b_3 | b_7 | A_{st} min. | A_w min./nom. | Q max. |
| MX-Q | 1200 x 800 | 500 | 100 | 710 | 1210 | variable* | 1055 | 1290 | 1380 | variable* | 1250 |
| | 1200 x 1000 | 600 | 100 | 710 | 1310 | variable* | 1055 | 1290 | 1380 | variable* | 1250 |
| | 1200 x 1200 | 700 | 100 | 710 | 1410 | variable* | 1305 | 1290 | 1380 | variable* | 1000 |
| | 1240 x 835 | 500 | 82 | 710 | 1210 | variable* | 1055 | 1330 | 1420 | variable* | 1250 |
| | 1300 x 1300 | 700 | 50 | 710 | 1410 | variable* | 1355 | 1390 | 1480 | variable* | 1000 |

| Flat telescopic fork $h_{13} = 180$ mm | | | | | | | | | $a_{21} = 90$ mm | $a = 200$ mm | Load capacity |
|--|----------------------------|-----|----------|-----|-------|-----------|-------|-------|------------------|-----------------|---------------|
| Model | $l_6 \times b_{12}$ Pallet | A | a_{22} | x | l_8 | h_9 | b_3 | b_7 | A_{st} min. | A_w min./nom. | Q max. |
| MX-Q | 1200 x 800 | 450 | 50 | 725 | 1175 | variable* | 1165 | 1290 | 1380 | variable* | 1250 |
| | 1200 x 1000 | 550 | 50 | 725 | 1275 | variable* | 1365 | 1290 | 1380 | variable* | 1000 |
| | 1200 x 1200 | 650 | 50 | 725 | 1375 | variable* | 1565 | 1290 | 1380 | variable* | 800 |
| | 1240 x 835 | 450 | 30 | 725 | 1175 | variable* | 1165 | 1330 | 1420 | variable* | 1250 |
| | 1300 x 1300 | 700 | 50 | 725 | 1425 | variable* | 1665 | 1390 | 1480 | variable* | 800 |

* Scalable values depend on the individual customer requirements.

Made for any warehouse

The modularity of the MX-X with a turret head or of the MX-Q with a telescopic fork adapts these trucks perfectly to any warehouse. The scalable dimensions and performance will always match any application and guarantee you best possible price-performance ratio. Together with AC technology Optispeed stands for high dynamics and higher turnaround speeds consuming less energy at lower operation costs. Together with the energy recuperation when braking or lowering the main lift this allows longer operation times per battery charging cycle.

OPTISPEED

The high performance and the optimum technical conditions of the MX-X are only made full use of when driving, lifting and controlling all the auxiliary movements by OPTISPEED. The precise height measuring system, also accounting for the auxiliary lift allows to optimise driving profiles and load change cycles by adjusting the acceleration and deceleration values. In combination with the dynamic and intelligent load weight diagram, OPTISPEED supports the driver in the warehouse.

In addition the performance can be increased by the optional load sensing and load weight sensing features for even higher turnaround, comfort and safety.

OPTISPEED 4.0 allows semi-automatic approach to storage bays. The position of the bay being indicated by the warehouse management system, for example, and the truck will navigate to the right position in the aisle. This leads to higher safety and increased productivity.

OPTISAFE

OPTISAFE allows easily assigning truck actions, safety functions and speeding settings to defined zones inside the aisles. Up to 255 aisles can be covered by adding OPTISAFE functions at any time. Each individual aisle is recognised when the vehicle enters the aisle and the functions can be assigned accordingly. The absolute, redundant distance measuring by RFID transponders in the floor or by barcodes on the rack posts forms the basis for a safe system. OPTISAFE stands for higher safety and flexibility inside the aisle.

Ergonomics

The STILL driver's compartment has been designed in accordance with the latest findings in ergonomics and offers an optimum workspace for all the different applications. The large cabin is mounted on low-vibration supports to suppress the oscillations from the load. It has a very low access and soft upholstery at knee-height the driver can lean against when order picking. The vertical and horizontal adjustment of the driver's seat and the tilt-adjustment of the seat cushion allow great comfort, also if the drivers change frequently. The tilting barrier reduces the distance between the truck and the rack facilitating access to the rack for order picking. A multi-function accessory bar on the railing allows mounting the modular accessory and storage compartments, permitting the individual components to be placed anywhere on the bar.

Cabins

- Combi: for order picking and/or stacker operation
- Stacker: with raised seat position for pure stacker operation
- Comfort: for more freedom of movement.
- Cold store cabin: fully insulated for cold stores up to -30 °C.

Control panel

The right control panel for every application:

- Multi-functional control panel: centrally mounted on the railing. Adjustable in height, distance from the driver and tilt. This allows best operability and function making the large display easy to read.
- The control elements are integrated into the armrests of the driver's seat. In addition the height of the armrests can be adjusted individually to allow standing and seated operation. Also they can be folded up with power support to facilitate access to the side. The display is easy to read and is mounted on the railing.

Safety

- High safety by contactless two-hand control for all drive and lift movements.
- Smaller aisle widths by larger safety distances due to the turret head with integrated side shift.
- Electric battery lock monitor.
- All the trucks meet the requirements of the machine guide line 98/37/EG and are marked with the CE label.
- STILL is certified in accordance with ISO 9001 by the Germanic Lloyd.

Dependability

- Tested and proven common parts from the STILL range.
- Torsion free steel construction of the chassis and the mast for low oscillations when moving heavy loads.
- Sophisticated heat balance in the drive compartment with active, temperature controlled cooling for a long service life of the components.
- Long service life of the battery by battery management for optimum power consumption and avoidance of peak currents.
- Maintenance free 48 V and 80 V AC drives with low wear, combined with power free MOSFET technology. Little wiring by proven CAN bus system for additional dependability.

Service and maintenance

- 1000-hour service interval.
- Quick diagnostics via notebook and easy access to all components that need maintenance combined with high availability of all needed parts guarantying short service times and outstanding availability.
- On line diagnosis and service support are available with the Online-X module.

Additional equipment

- Rail or wire guidance inside the aisle.
- Telescopic mast or triplex mast with free lift.
- Turret head/telescopic fork with auxiliary lift.
- Mechanically increased residual capacity.
- Overshift function for the turret head.
- Various fork carriages and fork versions.
- Hydraulic fork positioner with three basic versions.
- Toothed gear guard for the turret head (recommended when handling bagged goods).
- Different battery capacities of 48 V and 80 V.
- Battery roller frame to change the battery over the side.
- Side battery compartment covers.
- Driver's cabin: Combi, stacker, comfort and cold store up to -30 °C.
- Control panel integrated into the arm rests.
- Wind screen on load end, glass pane integrated into the railing.
- Glazed swivel doors as wind screens on the sides.
- Tilting barrier with active lock.
- Passenger operation for one more person.
- Heated or air-suspended comfort cabin.
- Camera system with 180 ° field of vision to drive end.
- Macrolon overhead guard cover.
- Load wheel brake for increased capacity
- Anti-static and cold store version.
- Mounting system for options and additional attachments.
- Writing pad and storage compartment with bottle holder.

Additional electric equipment

- Enhanced performance for driving and lifting.
- Automatic stop systems: RFID, magnets, floor sheets and reflectors.
- Switch-off of driving, lifting and fork movements.
- LED work place lighting.
- Mirror module with integrated LED spot lights and silent two level fan.
- OPTISPEED 3.x with load sensing, load weight sensing or load weight measuring.
- OPTISAFE for higher functionality and higher safety inside the aisle.
- Contactless collision guard on overhead guard.
- Intercom system for cold store cabin.
- Automatic fork cycle.
- Lift height pre-selection.
- Standardised interface for STILL MMS data terminal with scanner and printer.
- Integrated personnel safety system.
- Online-X module for remote diagnostics and service support.
- Mobile personal safety system.
- Access permission by PIN code or FleetManager.
- Semi-automatic bay approach with OPTISPEED 4.0.
- Automating interface for fully automatic operation.

STILL



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www.still.co.uk



STILL is certified in the following areas: Quality management, occupational safety, environmental protection and energy management.



first in intralogistics