



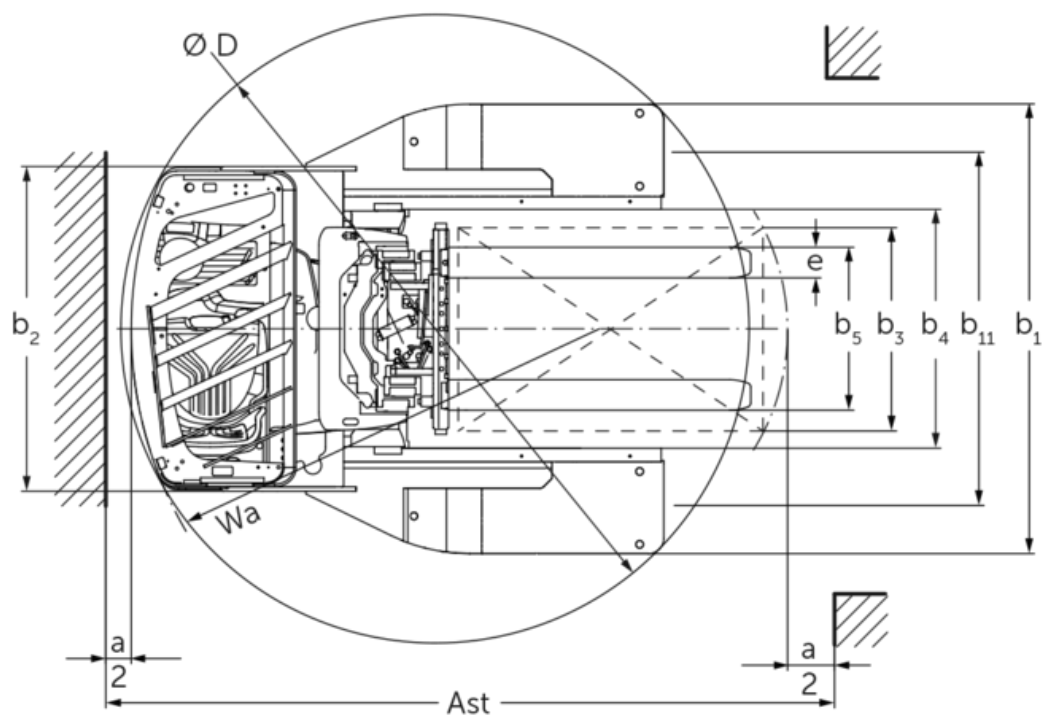
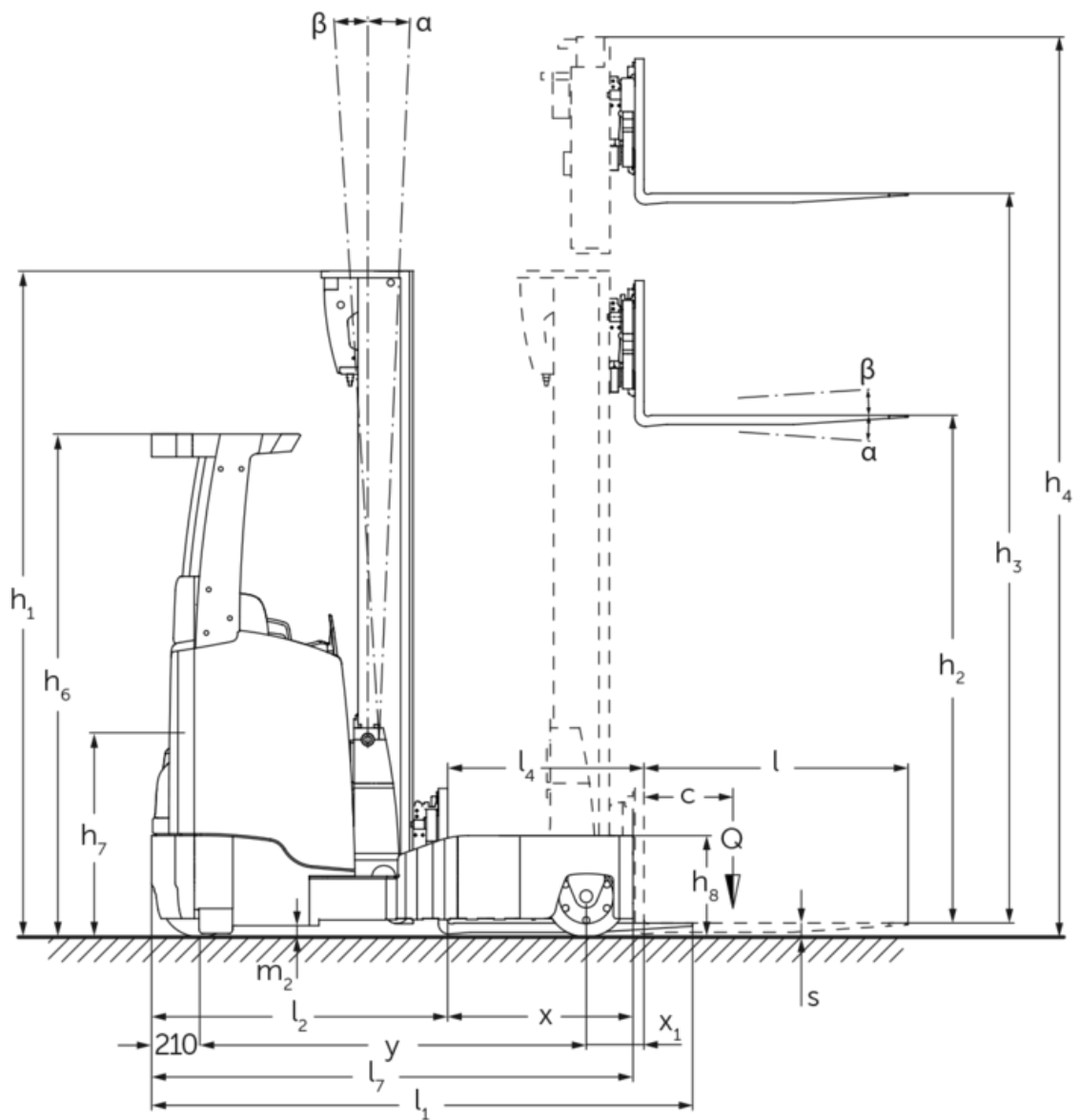
## **Electric reach truck**

**ETV Q20 / Q25**

Lift height: 4250-10700 mm / Load capacity: 2000-2500 kg







# ETV Q20 / Q25

| ETV Q20, ETV Q25                                             | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast | Forward/backward tilt of fork carriage |
|--------------------------------------------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|----------------------------------------|
| Fork tilt / Triplex mast DZ / cold-formed                    | 6200 mm   | 2700 mm                    | 1970 mm        | 6930 mm                   |                               | 2 / 5 °                                |
|                                                              | 6500 mm   | 2800 mm                    | 2070 mm        | 7230 mm                   |                               | 2 / 5 °                                |
|                                                              | 6800 mm   | 2900 mm                    | 2170 mm        | 7530 mm                   |                               | 2 / 5 °                                |
|                                                              | 7400 mm   | 3100 mm                    | 2370 mm        | 8130 mm                   |                               | 2 / 5 °                                |
|                                                              | 7700 mm   | 3200 mm                    | 2470 mm        | 8430 mm                   |                               | 2 / 5 °                                |
|                                                              | 8000 mm   | 3300 mm                    | 2570 mm        | 8730 mm                   |                               | 2 / 5 °                                |
|                                                              | 8420 mm   | 3440 mm                    | 2710 mm        | 9150 mm                   |                               | 2 / 5 °                                |
|                                                              | 8720 mm   | 3540 mm                    | 2810 mm        | 9450 mm                   |                               | 2 / 5 °                                |
|                                                              | 9110 mm   | 3670 mm                    | 2940 mm        | 9840 mm                   |                               | 2 / 5 °                                |
|                                                              | 9620 mm   | 3840 mm                    | 3110 mm        | 10350 mm                  |                               | 2 / 5 °                                |
|                                                              | 9950 mm   | 3950 mm                    | 3220 mm        | 10680 mm                  |                               | 2 / 5 °                                |
|                                                              | 10220 mm  | 4100 mm                    | 3370 mm        | 10950 mm                  |                               | 2 / 5 °                                |
|                                                              | 10520 mm  | 4200 mm                    | 3470 mm        | 11250 mm                  |                               | 2 / 5 °                                |
|                                                              | 10700 mm  | 4260 mm                    | 3530 mm        | 11430 mm                  |                               | 2 / 5 °                                |
| Mast tilt without side shift / Triplex mast DZ / cold-formed | 4250 mm   | 2050 mm                    | 1320 mm        | 4980 mm                   | 1 / 5 °                       |                                        |
|                                                              | 4700 mm   | 2200 mm                    | 1470 mm        | 5430 mm                   | 1 / 5 °                       |                                        |
|                                                              | 5000 mm   | 2300 mm                    | 1570 mm        | 5730 mm                   | 1 / 5 °                       |                                        |
|                                                              | 5300 mm   | 2400 mm                    | 1670 mm        | 6030 mm                   | 1 / 5 °                       |                                        |
|                                                              | 5600 mm   | 2500 mm                    | 1770 mm        | 6330 mm                   | 1 / 3 °                       |                                        |
|                                                              | 5900 mm   | 2600 mm                    | 1870 mm        | 6630 mm                   | 1 / 3 °                       |                                        |
|                                                              | 6200 mm   | 2700 mm                    | 1970 mm        | 6930 mm                   | 1 / 3 °                       |                                        |
|                                                              | 6500 mm   | 2800 mm                    | 2070 mm        | 7230 mm                   | 1 / 3 °                       |                                        |
|                                                              | 6800 mm   | 2900 mm                    | 2170 mm        | 7530 mm                   | 1 / 3 °                       |                                        |
|                                                              | 6950 mm   | 2950 mm                    | 2220 mm        | 7680 mm                   | 1 / 3 °                       |                                        |
|                                                              | 7400 mm   | 3100 mm                    | 2370 mm        | 8130 mm                   | 1 / 3 °                       |                                        |
|                                                              | 8000 mm   | 3300 mm                    | 2570 mm        | 8730 mm                   | 1 / 3 °                       |                                        |
|                                                              | 8420 mm   | 3440 mm                    | 2710 mm        | 9150 mm                   | 1 / 3 °                       |                                        |
|                                                              | 8720 mm   | 3540 mm                    | 2810 mm        | 9450 mm                   | 1 / 3 °                       |                                        |

|  |         |         |         |         |         |
|--|---------|---------|---------|---------|---------|
|  | 9110 mm | 3670 mm | 2940 mm | 9840 mm | 1 / 3 ° |
|--|---------|---------|---------|---------|---------|

# VDI table

|                          |        |                                                            |       |    |                   |      |
|--------------------------|--------|------------------------------------------------------------|-------|----|-------------------|------|
| Characteristic           | 1.1    | Manufacturer (abbreviated description)                     |       |    | Jungheinrich      |      |
|                          | 1.2    | Manufacturer's type designation                            |       |    | ETV Q             |      |
|                          | 1.3    | Drive                                                      |       |    | Electric          |      |
|                          | 1.4    | Operation                                                  |       |    | Sideways-seated   |      |
|                          | 1.5    | Load capacity/load                                         | Q     | kg | 2000              | 2500 |
|                          | 1.6    | Load centre distance                                       | c     | mm | 600               |      |
|                          | 1.8    | Load distance, centre of drive axle to fork                | x     | mm | 449               |      |
|                          | 1.8.1  | Load distance, centre of drive axle to fork, mast extended |       | mm | 230               |      |
|                          | 1.9    | Wheelbase                                                  | y     | mm | 1528              | 1638 |
| Weights                  | 2.1.1  | Service weight (incl. battery)                             |       | kg | 3700              |      |
|                          | 2.3    | Axle load unladen front/rear                               |       | kg | 2264 / 1436       |      |
|                          | 2.4    | Axle load fork forward laden front/rear                    |       | kg | 602 / 5598        |      |
|                          | 2.5    | Axle load fork back laden front/rear                       |       | kg | 2032 / 4168       |      |
| Wheels/suspension system | 3.1    | Tyres                                                      |       |    | Polyurethane (PU) |      |
|                          | 3.2    | Tyre size, front                                           |       |    | Ø 343 x 140       |      |
|                          | 3.3    | Tyre size, rear                                            |       |    | Ø 355 x 135       |      |
|                          | 3.5    | Wheels, number front/back (x=driven)                       |       |    | 1x / 2            |      |
|                          | 3.7    | Tread width, rear                                          | b11   | mm | 1420              |      |
| Basic dimensions         | 4.1    | Forward/backward tilt of mast                              | a/β   | °  | 1 / 5             |      |
|                          | 4.2    | Retracted mast height (h1)                                 | h1    | mm | 2400              |      |
|                          | 4.3    | Free lift (h2)                                             | h2    | mm | 1670              |      |
|                          | 4.4    | Lift (h3)                                                  | h3    | mm | 5300              |      |
|                          | 4.5    | Extended mast height (h4)                                  | h4    | mm | 6030              |      |
|                          | 4.7    | Height of overhead guard (cab)                             | h6    | mm | 2190              |      |
|                          | 4.8    | Seat height/stand height                                   | h7    | mm | 1057              |      |
|                          | 4.10   | Height of support arms                                     | h8    | mm | 440               |      |
|                          | 4.19   | total length                                               | l1    | mm | 2439              | 2511 |
|                          | 4.20   | Length including fork shank                                | l2    | mm | 1289              | 1361 |
|                          | 4.21.1 | total width                                                | b1    | mm | 1770              |      |
|                          | 4.21.2 | total width                                                | b2    | mm | 1270              |      |
|                          | 4.22   | Fork dimensions                                            | s/e/l | mm | 50 x 140 x 1150   |      |
|                          | 4.23   | Fork carriage connection class                             |       |    | 2B                |      |
|                          | 4.24   | Fork carriage width                                        | b3    | mm | 830               |      |
|                          | 4.25   | Width across forks                                         | b5    | mm | 356               |      |
|                          | 4.25.1 | Width across forks (min./max.)                             | b5    | mm | 356 / 750         |      |
|                          | 4.26   | Width between support arms/loading areas                   | b4    | mm | 940               |      |
|                          | 4.28   | Reach distance                                             |       | mm | 679               | 762  |
|                          | 4.32   | Ground clearance centre of wheelbase                       | m2    | mm | 95                |      |
|                          | 4.34.1 | Aisle width (pallet 1000x1200 sideways)                    | Ast   | mm | 2756              | 2854 |
|                          | 4.34.2 | Aisle width (pallet 800x1200 length)                       | Ast   | mm | 2792              | 2872 |
|                          | 4.35   | Turning radius                                             | Wa    | mm | 1741              | 1893 |
|                          | 4.37   | Length over the support arms                               | L7    | mm | 1957              | 2112 |

|                                                                                                                                                                                                   |       |                                           |        |             |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|--------|-------------|-------------|
| Performance data                                                                                                                                                                                  | 5.1   | Travel speed laden/unladen                | km/h   | 14 / 14     |             |
|                                                                                                                                                                                                   | 5.2   | Lift speed laden/unladen                  | m/s    | 0.38 / 0.64 | 0.35 / 0.64 |
|                                                                                                                                                                                                   | 5.3   | Lowering speed laden/unladen              | m/s    | 0.55 / 0.55 |             |
|                                                                                                                                                                                                   | 5.4   | Reach speed laden/unladen                 | m/s    | 0.2 / 0.2   |             |
|                                                                                                                                                                                                   | 5.7   | Gradeability laden/unladen                | %      | 7 / 11      |             |
|                                                                                                                                                                                                   | 5.8   | Max. gradeability laden/unladen           | %      | 10 / 15     |             |
|                                                                                                                                                                                                   | 5.9   | Acceleration time laden/unladen           | s      | 5.3 / 4.8   | 5.6 / 4.9   |
|                                                                                                                                                                                                   | 5.10  | Service brake                             |        | electric    |             |
| E-motor/Electronics                                                                                                                                                                               | 6.1   | Drive motor, performance S2 60 min        | kW     | 8.5         |             |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3           | kW     | 15.5        |             |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36      |        | DIN 43531 C |             |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity          | V / Ah | 48 / 620    |             |
|                                                                                                                                                                                                   | 6.5   | Battery weight                            | kg     | 1005        |             |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle  | kWh/h  | 4.31        | 5           |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796            | kg/h   | 2.3         | 2.7         |
|                                                                                                                                                                                                   | 6.7   | Throughput                                | t/h    | 79.73       | 97.61       |
|                                                                                                                                                                                                   | 6.8.1 | Energy consumption with max. throughput   | kWh/h  | 4.71        | 4.98        |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                     |        | Mosfet/AC   |             |
|                                                                                                                                                                                                   | 10.1  | Operating pressure for attachment         | bar    | 150         |             |
|                                                                                                                                                                                                   | 10.2  | Oil flow for attachments                  | l/min  | 20          |             |
|                                                                                                                                                                                                   |       |                                           |        |             |             |
|                                                                                                                                                                                                   | 10.7  | Sound pressure level according to EN12053 | dB (A) | 70          |             |
| - This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values. |       |                                           |        |             |             |

- VDI no. 1.8: battery size and mast type affect load distance x
- VDI no. 2.1.1: battery size and mast version affect service weight and axle loads
- VDI no. 2.3: battery size and mast version affect service weight and axle loads
- VDI no. 2.4: battery size and mast version affect service weight and axle loads
- VDI no. 2.5: battery size and mast version affect service weight and axle loads
- VDI no. 4.1: the mast version determines the tilt values
- VDI no. 4.19: battery size, mast type and fork length affect the overall length l1
- VDI no. 4.20: battery size and mast type affect the length including fork shank l2
- VDI no. 4.28: battery size and mast type affect the reach distance l4
- VDI no. 4.34.1: battery size and mast type affect the aisle widths
- VDI no. 4.34.2: battery size and mast type affect the aisle widths
- The information in this document relates to the drive&liftPLUS performance package

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified as well as our Genuine Parts  
Center in Kaltenkirchen.

 **JUNGHEINRICH**