

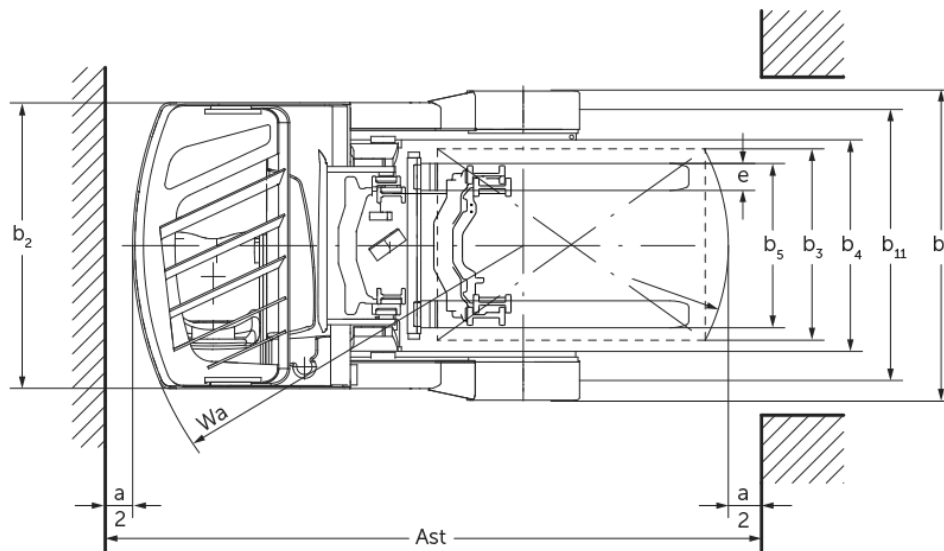
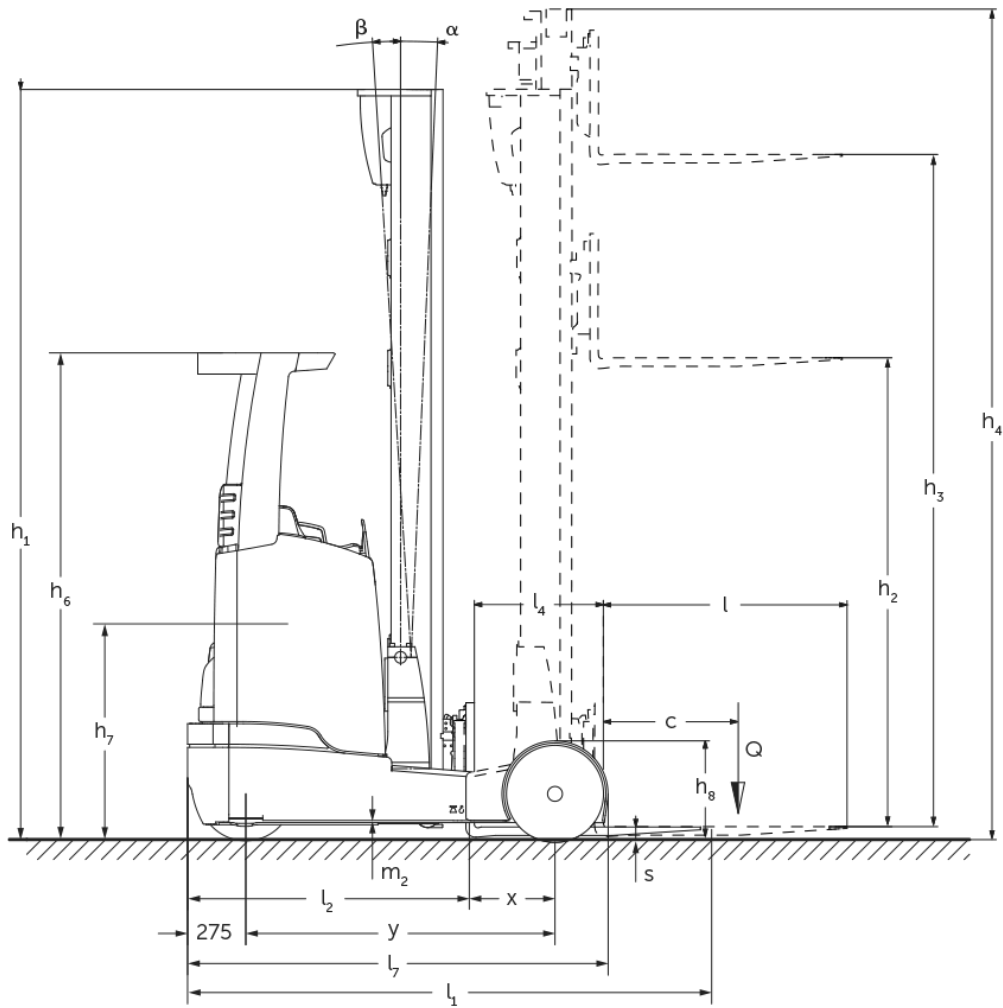


Electric reach truck

ETV C20

Lift height: 4250-7400 mm / Load capacity: 1600-2000 kg

ETV C20



ETV C20

| ETV C16 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|---|-----------|----------------------------|----------------|---------------------------|-------------------------------|
| Mast tilt / Triplex mast DZ / hot-rolled | 4550 mm | 2050 mm | 1406 mm | 5194 mm | 2 / 4 ° |
| | 5000 mm | 2200 mm | 1556 mm | 5644 mm | 2 / 4 ° |
| | 5240 mm | 2280 mm | 1636 mm | 5884 mm | 2 / 4 ° |
| | 5300 mm | 2300 mm | 1656 mm | 5944 mm | 2 / 4 ° |
| | 5450 mm | 2350 mm | 1706 mm | 6094 mm | 2 / 4 ° |
| | 5600 mm | 2400 mm | 1756 mm | 6244 mm | 2 / 4 ° |
| | 5720 mm | 2440 mm | 1796 mm | 6364 mm | 2 / 4 ° |
| | 5810 mm | 2470 mm | 1826 mm | 6454 mm | 2 / 4 ° |
| | 5900 mm | 2500 mm | 1856 mm | 6544 mm | 2 / 4 ° |
| | 6200 mm | 2600 mm | 1956 mm | 6844 mm | 2 / 4 ° |
| | 6500 mm | 2700 mm | 2056 mm | 7144 mm | 2 / 4 ° |
| | 6800 mm | 2800 mm | 2156 mm | 7444 mm | 2 / 4 ° |
| | 7100 mm | 2900 mm | 2256 mm | 7744 mm | 2 / 4 ° |
| ETV C20 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Mast tilt / Triplex mast DZ / cold-formed | 4250 mm | 2050 mm | 1320 mm | 4980 mm | 2 / 4 ° |
| | 4700 mm | 2200 mm | 1470 mm | 5430 mm | 2 / 4 ° |
| | 5000 mm | 2300 mm | 1570 mm | 5730 mm | 2 / 4 ° |
| | 5300 mm | 2400 mm | 1670 mm | 6030 mm | 2 / 4 ° |
| | 5420 mm | 2440 mm | 1710 mm | 6166 mm | 2 / 4 ° |
| | 5600 mm | 2500 mm | 1770 mm | 6330 mm | 2 / 4 ° |
| | 5900 mm | 2600 mm | 1870 mm | 6630 mm | 2 / 4 ° |
| | 6050 mm | 2650 mm | 1920 mm | 6796 mm | 2 / 4 ° |
| | 6200 mm | 2700 mm | 1970 mm | 6930 mm | 2 / 4 ° |
| | 6500 mm | 2800 mm | 2070 mm | 7230 mm | 2 / 4 ° |
| | 6800 mm | 2900 mm | 2170 mm | 7530 mm | 2 / 4 ° |
| | 6950 mm | 2950 mm | 2220 mm | 7680 mm | 2 / 4 ° |
| | 7400 mm | 3100 mm | 2370 mm | 8130 mm | 2 / 4 ° |

VDI table

Stand-on: 11/2021

| Characteristic | 1.1 | Manufacturer (abbreviated description) | Jungheinrich | | | |
|--------------------------|------------------------------|--|--------------------------------|-----------------|-----------------|-------------|
| | 1.2 | Manufacturer's type designation | ETV C16 | ETV C20 | | |
| Characteristic | 1.3 | Drive | Electric | | | |
| | 1.4 | Operation | Sideways-seated | | | |
| | 1.5 | Load capacity/load | Q kg | 1600 | 2000 | |
| | 1.6 | Load centre distance | c mm | 600 | | |
| | 1.8 | Load distance, centre of drive axle to fork | x mm | 400 | 421 | |
| | 1.8.1 | Load distance, centre of drive axle to fork, mast extended | mm | 290 | | |
| | 1.9 | Wheelbase | y mm | 1460 | 1520 | |
| | Weights | 2.1.1 | Service weight (incl. battery) | kg | 3640 | 4010 |
| | | 2.3 | Axle load unladen front/rear | kg | 2230 / 1410 | 2410 / 1600 |
| 2.4 | | Axle load fork forward laden front/rear | kg | 670 / 4570 | 510 / 5500 | |
| 2.5 | | Axle load fork back laden front/rear | kg | 1965 / 3275 | 2146 / 3846 | |
| Wheels/suspension system | 3.1 | Tyres | Super-elastic (SE) | | | |
| | 3.2 | Tyre size, front | 200 / 50-10 | | | |
| | 3.3 | Tyre size, rear | 180 / 60-10 | | | |
| | 3.5 | Wheels, number front/back (x=driven) | 1x / 2 | | | |
| | 3.7 | Tread width, rear | b ₁₁ mm | 1210 | 1240 | |
| Basic dimensions | 4.2 | Retracted mast height (h1) | h ₁ mm | 2300 | 2400 | |
| | 4.3 | Free lift (h2) | h ₂ mm | 1656 | 1670 | |
| | 4.4 | Lift (h3) | h ₃ mm | 5300 | | |
| | 4.5 | Extended mast height (h4) | h ₄ mm | 5944 | 6030 | |
| | 4.7 | Height of overhead guard (cab) | h ₆ mm | 2290 | | |
| | 4.8 | Seat height/stand height | h ₇ mm | 1166 | | |
| | 4.10 | Height of support arms | h ₈ mm | 464 | | |
| | 4.19 | Overall length | l ₁ mm | 2484 | 2524 | |
| | 4.19.4 | Length including fork length | l ₁ mm | 2484 | 2524 | |
| | 4.20 | Length including fork shank | l ₂ mm | 1320 | 1360 | |
| | 4.21.1 | Overall width | b ₁ mm | 1382 | 1409 | |
| | 4.21.2 | Overall width | b ₂ mm | 1270 | | |
| | 4.22 | Fork dimensions | s/e/ l mm | 40 x 120 x 1150 | 50 x 140 x 1150 | |
| | 4.23 | Fork carriage connection class | | 2B | | |
| | 4.24 | Fork carriage width | b ₃ mm | 830 | | |
| | 4.25 | Width across forks | b ₅ mm | 335 | 356 | |
| | 4.25.1 | Width across forks (min./max.) | b ₅ mm | 335 / 730 | 356 / 750 | |
| | 4.26 | Width between support arms/loading areas | b ₄ mm | 940 | | |
| | 4.28 | Reach distance | mm | 690 | 711 | |
| | 4.32 | Ground clearance centre of wheelbase | m ₂ mm | 80 | | |
| | 4.34 | Aisle width (pallet 1000x1200 sideways) | A _{st} mm | 2784 | 2829 | |
| | 4.34.1 | Aisle width (pallet 800x1200 length) | A _{st} mm | 2829 | 2871 | |
| | 4.35 | Turning radius | W _a mm | 1735 | 1795 | |
| 4.37 | Length over the support arms | L ₇ mm | 1986 | 2046 | | |
| Performance data | 5.1 | Travel speed laden/unladen | km/h | 11.8 / 12.2 | | |
| | 5.2 | Lift speed laden/unladen | m/s | 0.4 / 0.7 | 0.32 / 0.6 | |
| | 5.3 | Lowering speed laden/unladen | m/s | 0.5 / 0.5 | | |
| | 5.4 | Reach speed laden/unladen | m/s | 0.2 / 0.2 | 0.15 / 0.15 | |
| | 5.7 | Gradeability laden/unladen | % | 7 / 10 | 6 / 10 | |

| | | | | | |
|---------------------|-------|--|--------|-------------|---------|
| | 5.8 | Max. gradeability laden/unladen | % | 10 / 15 | |
| | 5.9 | Acceleration time laden/unladen | s | 5.1 / 4.8 | 5.7 / 5 |
| | 5.10 | Service brake | | electric | |
| E-motor/Electronics | 6.1 | Drive motor, performance S2 60 min | kW | 7.5 | |
| | 6.2 | Lift motor, performance with S3 | kW | 13.3 | |
| | 6.3 | Battery according to DIN 43531/35/36 | | DIN 43531 C | |
| | 6.4 | Battery voltage/nominal capacity | V / Ah | 48 / 560 | |
| | 6.5 | Battery weight | kg | 937 | |
| | 6.6.1 | Energy consumption according to EN cycle | kWh/h | 3.59 | 4.28 |
| | 6.6.2 | CO2 equivalent as per EN 16796 | kg/h | 1.9 | 2.3 |
| | 6.7 | Throughput | t/h | 60.19 | 65.87 |
| | 6.8.1 | Energy consumption with max. throughput | kWh/h | 3.47 | 3.85 |
| Other | 8.1 | Type of drive control | | 3-phase AC | |
| | 10.1 | Operating pressure for attachment | bar | 150 | |
| | 10.2 | Oil flow for attachments | l/min | 20 | |
| | 10.7 | Sound level as per EN12053, operator's ear | 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: the battery size influences the load distance, centre of drive axle to fork x
- VDI no. 2.1.1: the battery size and the mast version influence the service weight and the axle loads
- VDI no. 2.3: the battery size and the mast version influence the service weight and the axle loads
- VDI no. 2.4: the battery size and the mast version influence the service weight and the axle loads
- VDI no. 2.5: the battery size and the mast version influence the service weight and the axle loads
- VDI no. 4.19: the battery size and the fork length influence the overall length l1
- VDI no. 4.20: the battery size influences the length including fork shank l2
- VDI no. 4.28: the battery size influences the reach distance l4
- VDI no. 4.34.1: the battery size influences the aisle widths
- VDI no. 4.34.2: the battery size influences the aisle widths

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**