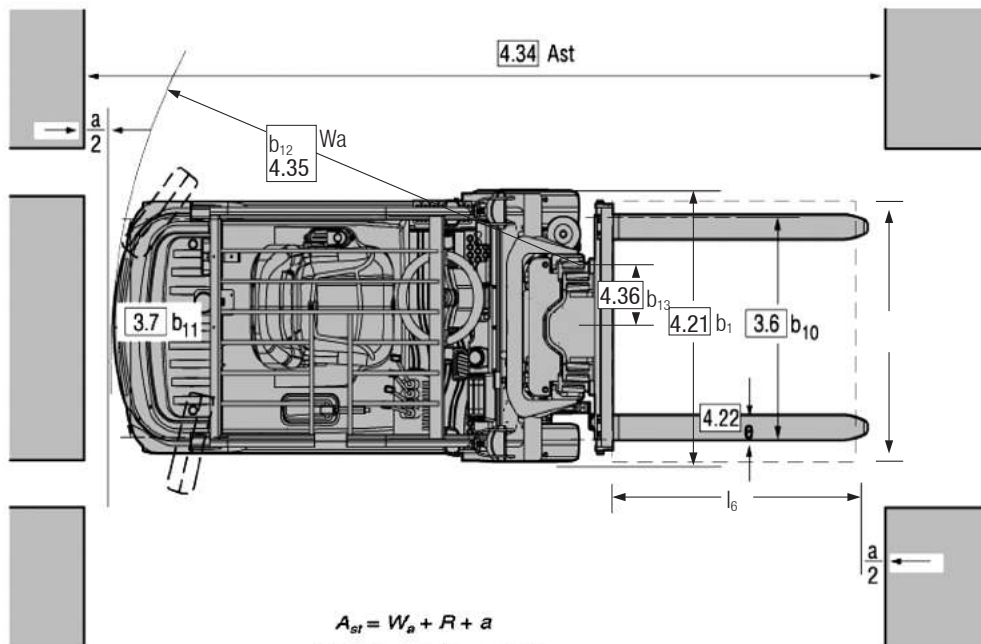
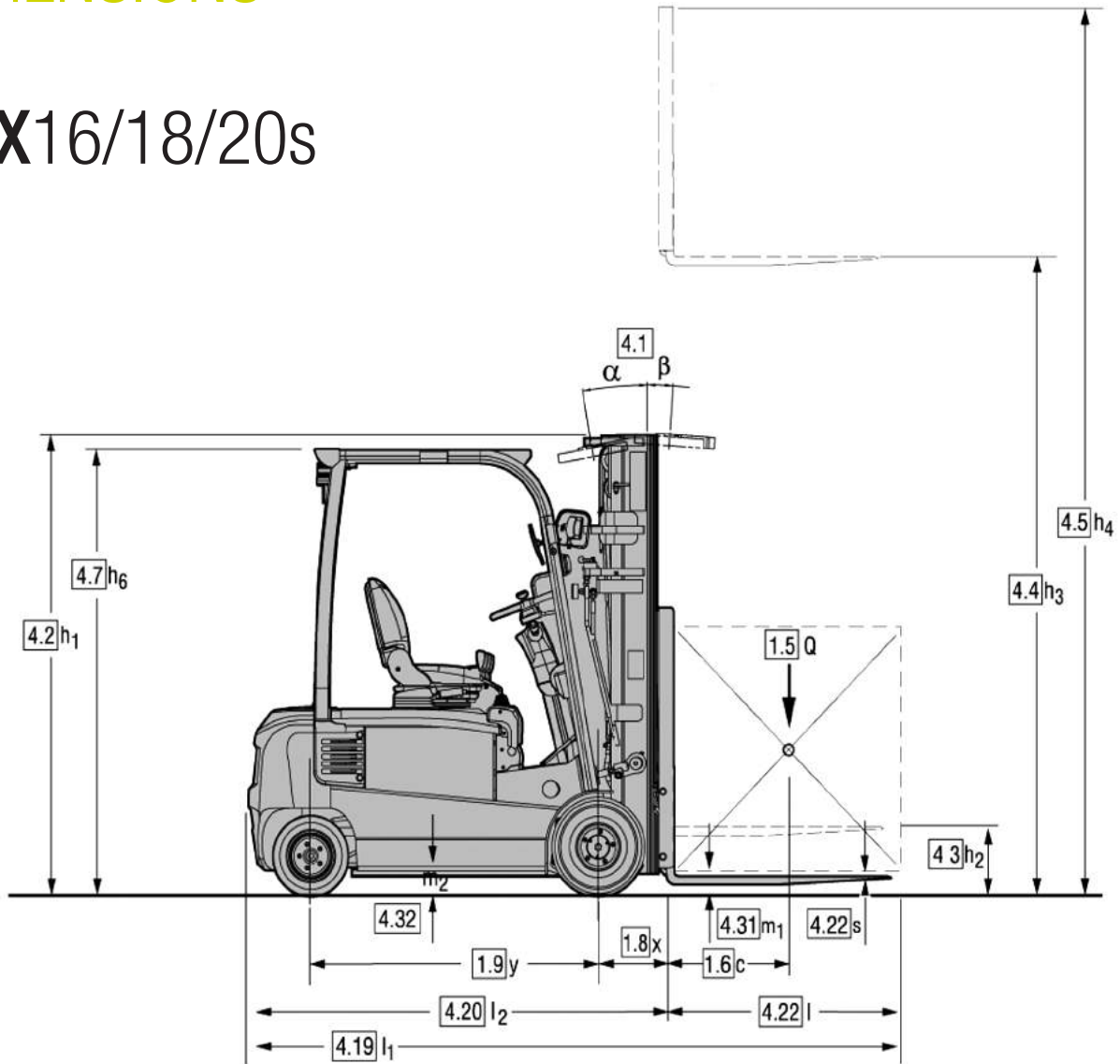


DIMENSIONS

GEX16/18/20s



$$A_{st} = W_a + R + a$$

$$A_{st} = W_a + \sqrt{(\ell_6 + x)^2 + \left(\frac{b_{12}}{2} - b_{13}\right)^2} + a$$

applies only if $\frac{b_{12}}{2} \geq b_{13}$

For corresponding data see Specification Chart.



SPECIFICATIONS

Product Specifications acc. to VDI 2198

| 1.1 Manufacturer (Abbreviation) | | CLARK | CLARK | CLARK | |
|---|---|--|----------------|----------------|----------------|
| Specifications | 1.2 Manufacturer's designation | GEX16 | GEX18 | GEX20s | |
| | 1.3 Drive unit | Elec-48V | Elec-48V | Elec-48V | |
| | 1.4 Operator type stand on / driver seated | Rider-seated | Rider-seated | Rider-seated | |
| | 1.5 Load capacity / rated load | Q (kg) | 1600 | 1800 | 2000 |
| | 1.6 Load centre distance | c (mm) | 500 | 500 | 500 |
| | 1.8 Load centre distance, centre of drive axle to fork face | x (mm) | 356 | 356 | 361 |
| | 1.9 Wheelbase | y (mm) | 1312 | 1420 | 1420 |
| Weight | 2.1 Service weight | kg | 3132 | 3235 | 3409 |
| | 2.2 Axle loading, laden front / rear | kg | 3979/753 | 4373/662 | 4759/650 |
| | 2.3 Axle loading, unladen front / rear | kg | 1416/1716 | 1490/1745 | 1559/1850 |
| Tyres, Chassis | 3.1 Tyre type, SE = superelastic, C = cushion | | SE | SE | SE |
| | 3.2 Tyre size, front, superelastic | | 18x7-8 | 18x7-8 | 200/50-10 |
| | 3.3 Tyre size, rear, superelastic | | 15x4.5x8 | 15x4.5x8 | 15x4.5x8 |
| | 3.5 Wheels, number front/rear (x = drive wheels) | | 2x/2 | 2x/2 | 2x/2 |
| | 3.6 Tread, front SE (C) | b10 (mm) | 905 | 905 | 915 |
| | 3.7 Tread, rear | b11 (mm) | 870 | 870 | 870 |
| | Dimensions | 4.1 Tilt of upright/fork carriage, a / b | deg | 6/6 | 6/6 |
| 4.2 Height, upright lowered | | h1 (mm) | 2060 | 2060 | 2060 |
| 4.3 Freelift | | h2 (mm) | 132 | 132 | 132 |
| 4.4 Lift height *1 | | h3 (mm) | 3085 | 3085 | 3085 |
| 4.5 Height, upright extended (with load backrest) | | h4 (mm) | 4309 | 4309 | 4304 |
| 4.7 Height overheadguard (Cabin) | | h6 (mm) | 2055 (2090) | 2055 (2090) | 2059 (2094) |
| 4.8 Seat height | | h7 (mm) | 1020 | 1020 | 1020 |
| 4.12 Coupling height | | h10 (mm) | 360 | 360 | 360 |
| 4.19 Overall length | | l1 (mm) | 3044 | 3154 | 3159 |
| 4.20 Length to face of forks | | l2 (mm) | 1976 | 2084 | 2089 |
| 4.21 Width | | b1 (mm) | 1059 | 1059 | 1122 |
| 4.22 Fork dimensions | | s*e*l (mm) | 40x100x1070 | 40x100x1070 | 40x100x1070 |
| 4.23 Fork carriage DIN 15173, A, B | | | II A | II A | II A |
| 4.24 Fork carriage width | | b3 (mm) | 940 | 940 | 940 |
| 4.31 Ground clearance minimum, laden | | m1 (mm) | 85 | 85 | 85 |
| 4.32 Ground clearance centre of wheelbase | | m2 (mm) | 84 | 84 | 87 |
| 4.34 Stacking aisle for pallets (l6 • b12) 1000 x 1200 across | Ast (mm) | 3275 | 3391 | 3395 | |
| 4.34 Stacking aisle for pallets (l6 • b12) 800 x 1200 along | Ast (mm) | 3410 | 3522 | 3527 | |
| 4.35 Turning radius | Wa (mm) | 1620 | 1728 | 1728 | |
| 4.36 Internal turning radius | b13 (mm) | 72 | 52 | 52 | |
| Performance | 5.1 Travel speed laden/unladen | Km/h | 15/16 | 15/16 | 15/16 |
| | 5.2 Lift speed laden/unladen | m/s | 0,40/0,50 | 0,37/0,50 | 0,35/0,50 |
| | 5.3 Lowering speed laden/unladen | m/s | 0,57/0,52 | 0,57/0,52 | 0,57/0,52 |
| | 5.6 Max. drawbar pull laden/unladen (S2 5 min) *2 | N | 7277/16357 | 7698/16397 | 7326/16053 |
| | 5.8 Max. gradeability laden/unladen (S2 5 min) *2 | % | 21,3/37,7 | 22,1/35,2 | 22,4/31,8 |
| | 5.10 Service brake | | Wet disc brake | Wet disc brake | Wet disc brake |
| Drive line | 6.1 Drive motor rating (S2 60 min) | kW | 2x4.4 | 2x4.4 | 2x4.4 |
| | 6.2 Lift motor rating (S3 15%) | kW | 15,2 | 15,2 | 15,2 |
| | 6.3 Battery acc. to DIN43531/35/36 | | DIN43531A | DIN43531A | DIN43531A |
| | 6.4 Battery voltage, nominal capacity K5 | V/Ah | 48/460(500) | 48/575(625) | 48/575(625) |
| | 6.5 Battery weight (min) | kg | 708 | 856 | 856 |
| Misc. | 8.1 Type of control | | AC/Inverter | AC/Inverter | AC/Inverter |
| | 8.2 Operating pressure for attachments | bar | max. 140 | max. 140 | max. 140 |
| | 8.4 Sound level, driver's ear | dB (A) | 72 | 72 | 72 |

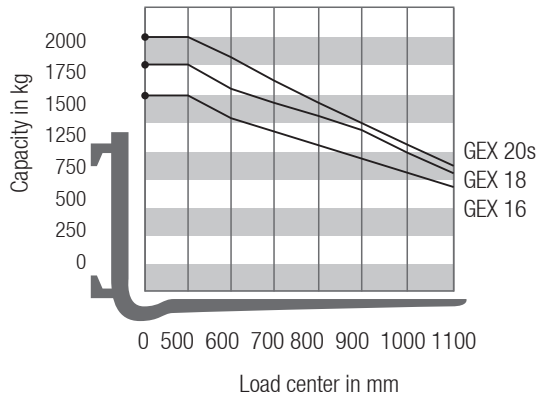
*1 Further lift heights see upright table

*2 At friction coefficient $\mu=0.8$ with 1.6 km/h

All values shown are for standard lift truck with standard equipment. If the truck is supplied with options, values may change. All values given may vary +5% and -10% due to the motor and system tolerances and represent nominal values obtained under typical operating conditions. Specifications for Non-emission limited truck.

GENERAL DATA

Truck Capacities Capacity at different load centres



Note:

The listed capacities are valid only for the standard upright in vertical position with standard fork carriage and standard forks, up to max. lifting height of 3085 mm. The centre of gravity of the load may be displaced by max. 100 mm against the longitudinal centre plane of the truck. Load centre is determined from top and front face of the forks. The values are based on a 1000 mm cube load configuration with the centre of gravity at the true centre of the cube with upright tilted forward lower capacity values are valid. Attachments, longer forks, exceptional load dimensions and higher lifting heights can reduce the capacity.

Please talk to your CLARK dealer if you require further information.

Upright table GEX16/18/20s

| Mast type | Maximum Fork Height (h3) | Mast Lowered (h1) | Mast Extended (h4) | | Free lift (h2) | |
|-----------|--------------------------|-------------------|--------------------|-----------------------|--------------------|-----------------------|
| | | | with load backrest | without load backrest | with load backrest | without load backrest |
| | | | mm | mm | mm | mm |
| Standard | 2545 | 1792 | 3771 | 3169 | 132 | 132 |
| | 2795 | 1917 | 4021 | 3419 | | |
| | 3085 | 2060 | 4311 | 3709 | | |
| | 3285 | 2162 | 4511 | 3909 | | |
| | 3639 | 2339 | 4865 | 4263 | | |
| | 4069 | 2612 | 5295 | 4693 | | |
| | 4365 | 2812 | 5591 | 4989 | | |
| | 4653 | 3007 | 5879 | 5277 | | |
| Triple | 3970 | 1835 | 5194 | 4594 | 611 | 1211 |
| | 4345 | 1960 | 5569 | 4969 | 736 | 1336 |
| | 4780 | 2105 | 6004 | 5404 | 881 | 1481 |
| | 5185 | 2255 | 6409 | 5809 | 1031 | 1631 |
| | 5565 | 2415 | 6789 | 6189 | 1191 | 1791 |
| | 5740 | 2480 | 6964 | 6364 | 1256 | 1856 |
| | 6015 | 2605 | 7239 | 6639 | 1381 | 1981 |
| | 6470 | 2795 | 7694 | 7094 | 1571 | 2171 |
| | 7075 | 3050 | 8299 | 7699 | 1826 | 2426 |
| HI-LO | 2925 | 1960 | 4149 | 3549 | 736 | 1336 |
| | 3215 | 2105 | 4439 | 3839 | 881 | 1481 |
| | 3515 | 2255 | 4739 | 4139 | 1031 | 1631 |
| | 3695 | 2345 | 4919 | 4319 | 1121 | 1721 |
| | 3810 | 2415 | 5034 | 4434 | 1191 | 1791 |

Performance may vary +5% and -10% due to motor and system efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine. CLARK products and specifications are subject to change without notice.