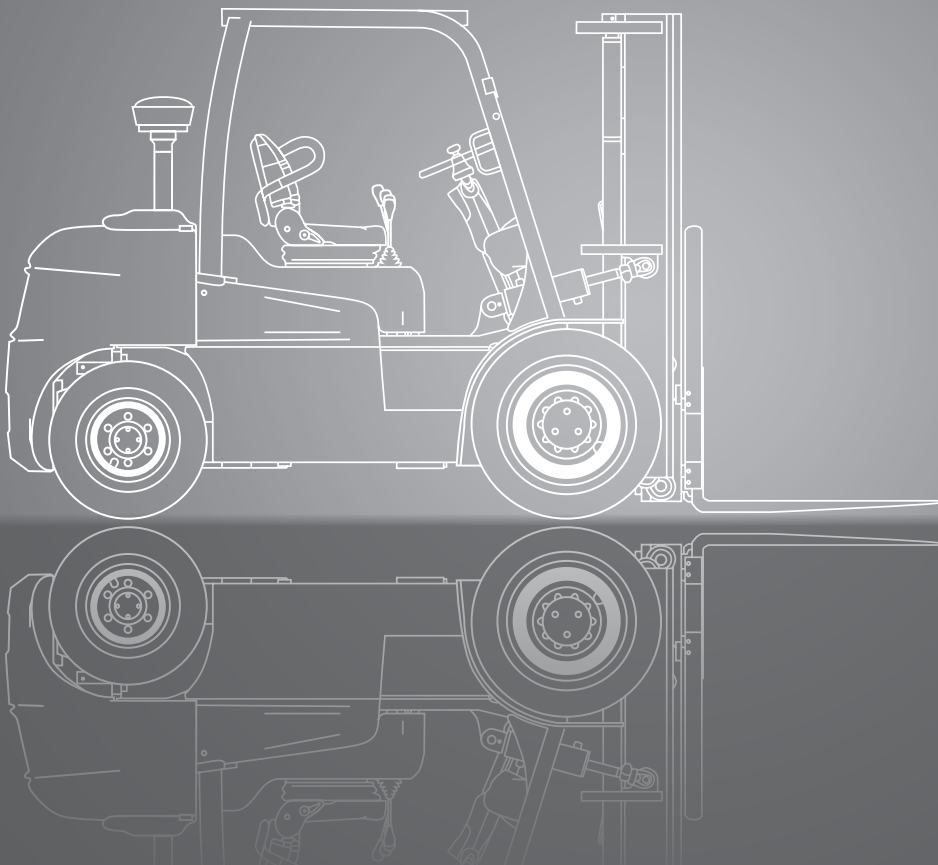


C40/45/50s/55s

Diesel or LPG engine

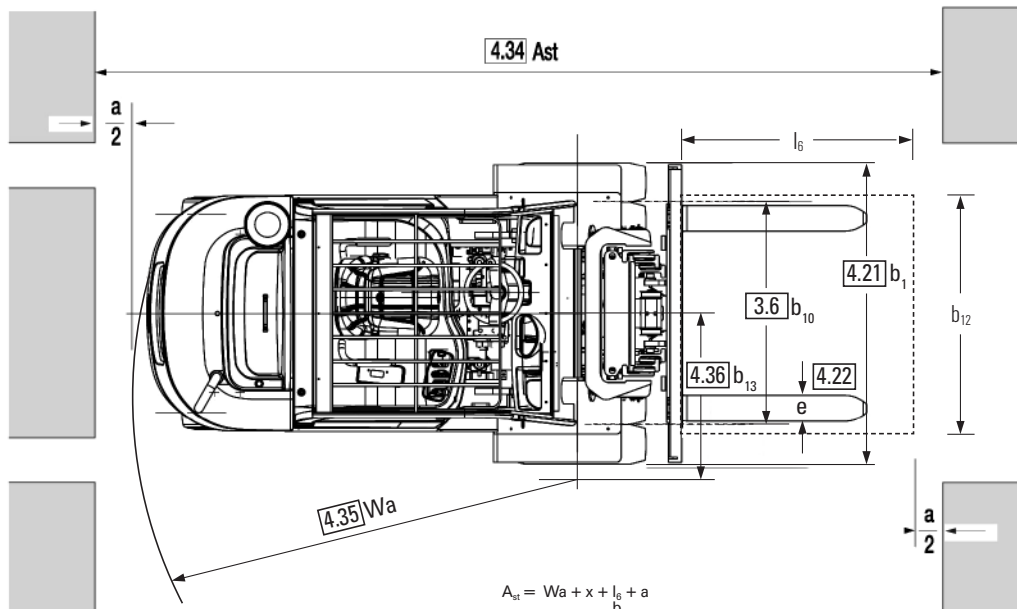
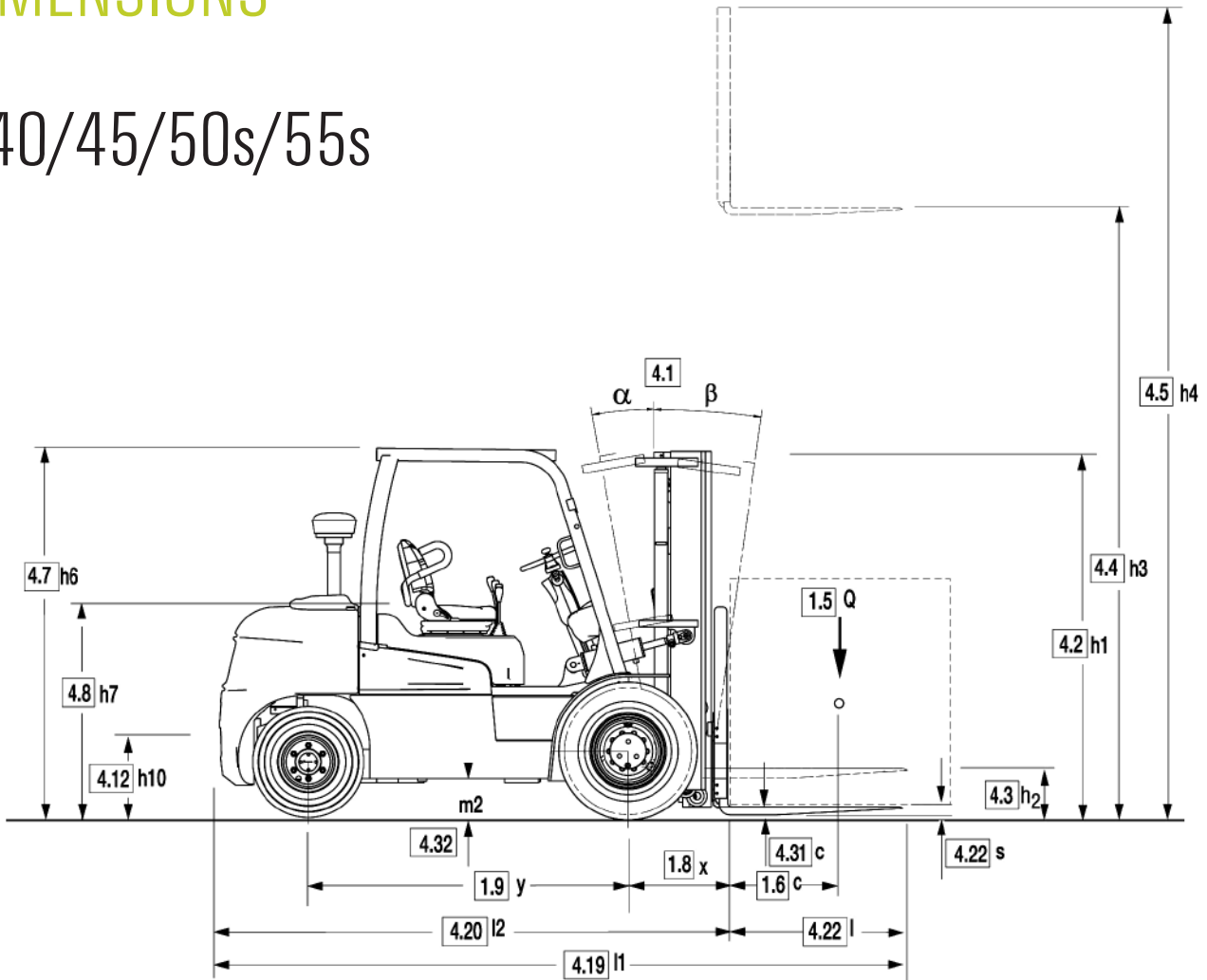
Pneumatic or Superelastic Tyres

4000 kg 4500 kg 4990 kg 5500 kg



DIMENSIONS

C40/45/50s/55s



$$A_{st} = Wa + x + l_6 + a$$

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

$$A_{st} = Wa + \sqrt{(l_6 + x)^2 + \left(\frac{b_{12}}{2} - b_{13}\right)^2} + a$$

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

$$a = 200$$

SPECIFICATIONS

Product Specifications acc. to VDI 2198

| 1.1 Manufacturer (Abbreviation) | | CLARK | CLARK | CLARK | CLARK |
|---|--|--|--------------------------------|-------------------------------|-------------------------------|
| Specifications | 1.2 Manufacturer's designation | C40D | C45D | C50sD | C55sD |
| | 1.3 Drive unit Diesel, L.P. Gas | Diesel | Diesel | Diesel | Diesel |
| | 1.4 Operator type stand on / driver seated | Driver seated | Driver seated | Driver seated | Driver seated |
| | 1.5 Load capacity / rated load Q (Kg) | 4000 | 4500 | 4990 | 5500 |
| | 1.6 Load centre distance c (mm) | 500 | 500 | 500 | 500 |
| | 1.8 Load centre distance, centre of drive axle to fork face x (mm) | 573 | 573 | 573 | 598 |
| | 1.9 Wheelbase y (mm) | 1950 | 1950 | 2100 | 2100 |
| | Weight | 2.1 Service weight *5 kg | 6062 6242 | 6436 6608 | 7074 7205 |
| 2.2 Axle loading, laden front / rear *5 kg | | 8892/1170(9077/1165) | 9657/1279(9844/1264) | 10706/1368(10848/1357) | 11525/1496(11657/1488) |
| 2.3 Axle loading, unladen front / rear *5 kg | | 2675/3386(2861/3380) | 2661/3774(2840/3767) | 3148/3926(3217/3988) | 3010/4511(3143/4502) |
| Tyres, Chassis | 3.1 Tyre type, P = pneumatic, SE = superelastic, C = cushion *1 | P | P | P | P |
| | 3.2 Tyre size, front *5 | 8.25X15-14PR (7.50X15-12PR) | 8.25X15-16PR (7.50X15-12PR) | 300X15-18PR (7.50X15-12PR) | 300X15-20PR (7.50X15-12PR) |
| | 3.3 Tyre size, rear | 7.00X12-14PR | 7.00X12-14PR | 7.00X12-14PR | 7.00X12-14PR |
| | 3.5 Wheels, number front/rear (x = drive wheels) *5 | 2(4)/2 | 2(4)/2 | 2(4)/2 | 2(4)/2 |
| | 3.6 Tread, front *5 b10 (mm) | 1165(1288) | 1165(1288) | 1112(1288) | 1112(1288) |
| | 3.7 Tread, rear b11 (mm) | 1134 | 1134 | 1134 | 1134 |
| | Dimensions | 4.1 Tilt of upright/fork carriage, α/β Grad | 10/8 | 10/8 | 10/8 |
| 4.2 Height, upright lowered *5 h1(mm) | | 2384(2357) | 2384(2357) | 2384(2357) | 2492 (2456) |
| 4.3 Freelift h2(mm) | | 156 | 156 | 156 | 166 |
| 4.4 Lift height *2 h3(mm) | | 3300 | 3300 | 3300 | 3300 |
| 4.5 Height, upright extended (with LBR) h4(mm) | | 4552 | 4552 | 4552 | 4552 |
| 4.7 Height overheadguard Std /cabin *5 h6(mm) | | 2324/2371 (2310/2357) | 2324/2371 (2310/2357) | 2324/2371 (2310/2357) | 2324/2371 (2310/2357) |
| 4.8 Seat height h7(mm) | | 1265 | 1265 | 1265 | 1265 |
| 4.12 Coupling height h10(mm) | | 460 | 460 | 460 | 460 |
| 4.19 Overall length l1(mm) | | 4113 | 4163 | 4453 | 4533 |
| 4.20 Length to face of forks l2(mm) | | 3043 | 3093 | 3233 | 3313 |
| 4.21 Width *5 b1 . b2 (mm) | | 1400(1742) | 1400(1742) | 1400(1742) | 1400(1742) |
| 4.22 Fork dimensions s • e • l (mm) | | 50x122x1067 | 50x122x1067 | 50x150x1219 | 60x150x1219 |
| 4.23 Fork carriage DIN 15173, A, B | | Class III A | Class III A | Class III A | Class IV A |
| 4.24 Fork carriage width *5 b3 (mm) | | 1348 (1678) | 1348 (1678) | 1348(1678) | 1348(1678) |
| 4.31 Ground clearance minimum *5 m1 (mm) | | 169(142) | 169(142) | 177(141) | 177(141) |
| 4.32 Ground clearance centre of wheelbase *5 m2 (mm) | | 212(186) | 212(186) | 221(185) | 221(185) |
| 4.33 Aisle width for pallets (I6-b12) 1000 x 1200 crossways Ast(mm) | 4616 | 4651 | 4805 | 4869 | |
| 4.34 Aisle width for pallets (I6-b12) 800 x 1200 lengthways Ast(mm) | 4816 | 4851 | 5005 | 5069 | |
| 4.35 Outside turning radius Wa(mm) | 2843 | 2878 | 3032 | 3071 | |
| 4.36 Smallest pivot point distance *5 b13 (mm) | 980(981) | 980(981) | 1020(1021) | 1020(1021) | |
| Performances | 5.1 Travel speed laden/unladen *5 km/h | 22.0/23.2(20.7/21.7) | 21.8/23.2(20.5/21.7) | 21.6/23.4(20.3/21.6) | 21.3/23.4(20.2/21.6) |
| | 5.2 Lift speed laden/unladen m/s | 0.55/0.57(0.55/0.57) | 0.53/0.57(0.53/0.57) | 0.50/0.57(0.50/0.57) | 0.48/0.57(0.48/0.57) |
| | 5.3 Lowering speed laden/unladen m/s | 0.50/0.47 | 0.50/0.47 | 0.50/0.47 | 0.50/0.47 |
| | 5.6 Max. drawbar pull laden/unladen *3 *5 N | 37726/12729 40364/13650 | 37843/12601 40423/13494 | 38010/14778 40481/15484 | 38128/14366 40472/15023 |
| | 5.8 Max. gradeability laden/unladen *3 *5 % | 37.4/21.4 (39.7/22.2) | 33.9/20.1(35.9/20.9) | 30.2/21.3(32.1/21.8) | 27.8/19.6 (39.4/20.1) |
| | 5.9 Acceleration time laden/unladen (0 - 15 m) s | - | - | - | - |
| | 5.10 Service brake | Wet disc brake | Wet disc brake | Wet disc brake | Wet disc brake |
| I.C.- Engine | 7.1 Manufacturer / Type *6 | Deutz / TD3.6 Stage 3b | Deutz / TD3.6 Stage 3b | Deutz / TD3.6 Stage 3b | Deutz / TD3.6 Stage 3b |
| | 7.2 Rated output acc. To ISO 1585 kW | 55,4 | 55,4 | 55,4 | 55,4 |
| | 7.3 Rated speed min-1 | 2200 | 2200 | 2200 | 2200 |
| | 7.4 No. of cylinders / displacement /cm ³ | 4/3621 | 4/3621 | 4/3621 | 4/3621 |
| | 7.5 Fuel consumption acc. VDI-Cyclus Diesel = l/h. Gas = kg/h | - | - | - | - |
| Miscellaneous | 8.2 Operating pressure for attachments bar | 140 | 140 | 140 | 140 |
| | 8.3 Oil volume for attachments l/min | - | - | - | - |
| | 8.4 Sound level, driver's ear *4 dB (A) | 80,6 | 80,6 | 80,6 | 80,6 |
| | 8.5 Towing coupling, class/type DIN | - | - | - | - |

1) Optional with super-elastic tyres *2 Further lift heights see upright table *3 with 1.6 km/h Without load at friction coefficient $\mu=0.8$ *4 Equivalent permanent sound-pressure level L pAeq, T in accordance with DIN EN 12053 (previously DIN 45635-36) *5 Values for Dual Tyre *6 Diesel = Stage 3b / LPG= Tier0

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.

Product Specifications acc. to VDI 2198

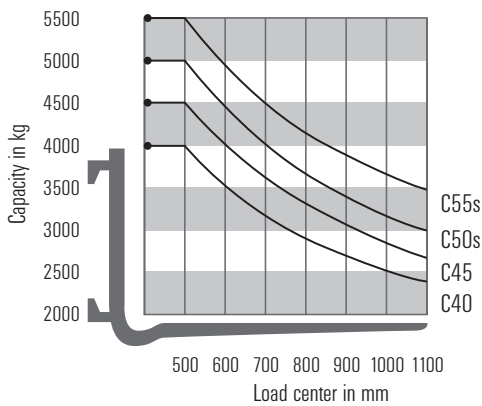
| 1.1 Manufacturer (Abbreviation) | | CLARK | CLARK | CLARK | CLARK | |
|---|---|---|--------------------------------|--------------------------------|-------------------------------|-------------------------------|
| Specifications | 1.2 Manufacturer's designation | C40L | C45L | C50sL | C55sL | |
| | 1.3 Drive unit Diesel, L.P. Gas | L.P. Gas | L.P. Gas | L.P. Gas | L.P. Gas | |
| | 1.4 Operator type stand on / driver seated | Driver seated | Driver seated | Driver seated | Driver seated | |
| | 1.5 Load capacity / rated load | Q (Kg) | 4000 | 4500 | 4990 | 5500 |
| | 1.6 Load centre distance | c (mm) | 500 | 500 | 500 | 500 |
| | 1.8 Load centre distance, centre of drive axle to fork face | x (mm) | 573 | 573 | 573 | 598 |
| | 1.9 Wheelbase | y (mm) | 1950 | 1950 | 2100 | 2100 |
| Weight | 2.1 Service weight *5 | kg | 5868(6048) | 6242(6414) | 6880(7012) | 7351(7476) |
| | 2.2 Axle loading, laden front / rear *5 | kg | 8995/873(9180/868) | 9785/957(9962/952) | 10840/1040(10980/1032) | 11581/1270(1174/1262) |
| | 2.3 Axle loading, unladen front / rear *5 | kg | 2589/3279(2774/3274) | 2578/3664(2755/3659) | 2988/3892(3127/3885) | 2932/4419(3064/4412) |
| Tyres, Chassis | 3.1 Tyre type, P = pneumatic, SE = superelastic, C = cushion *1 | | P | P | P | P |
| | 3.2 Tyre size, front *5 | | 8.25X15-14PR (7.50X15-12PR) | 8.25X15-16PR (7.50X15-12PR) | 300X15-18PR (7.50X15-12PR) | 300X15-20PR (7.50X15-12PR) |
| | 3.3 Tyre size, rear | | 7.00X12-14PR | 7.00X12-14PR | 7.00X12-14PR | 7.00X12-14PR |
| | 3.5 Wheels, number front/rear (x = drive wheels) *5 | | 2x(4x)/2 | 2x(4x)/2 | 2x(4x)/2 | 2x(4x)/2 |
| | 3.6 Tread, front *5 | b10 (mm) | 1165(1288) | 1165(1288) | 1112(1288) | 1112(1288) |
| | 3.7 Tread, rear | b11 (mm) | 1134 | 1134 | 1134 | 1134 |
| | Dimensions | 4.1 Tilt of upright/fork carriage, α/β | Grad | 10/8 | 10/8 | 10/8 |
| 4.2 Height, upright lowered *5 | | h1(mm) | 2384(2357) | 2384(2357) | 2384(2357) | 2492 (2456) |
| 4.3 Freelift | | h2(mm) | 156 | 156 | 156 | 166 |
| 4.4 Lift height *2 | | h3(mm) | 3300 | 3300 | 3300 | 3300 |
| 4.5 Height, upright extended (with LBR) | | h4(mm) | 4552 | 4552 | 4552 | 4552 |
| 4.7 Height overheadguard Std /cabin *5 | | h6(mm) | 2324/2371 (2310/2357) | 2324/2371 (2310/2357) | 2324/2371 (2310/2357) | 2324/2371 (2310/2357) |
| 4.8 Seat height | | h7(mm) | 1265 | 1265 | 1265 | 1265 |
| 4.12 Coupling height | | h10(mm) | 460 | 460 | 460 | 460 |
| 4.19 Overall length | | l1(mm) | 4113 | 4163 | 4453 | 4533 |
| 4.20 Length to face of forks | | l2(mm) | 3043 | 3093 | 3233 | 3313 |
| 4.21 Width *5 | | b1, b2 (mm) | 1400(1742) | 1400(1742) | 1400(1742) | 1400(1742) |
| 4.22 Fork dimensions | | s • e • l (mm) | 50x122x1067 | 50x122x1067 | 50x150x1219 | 60x150x1219 |
| 4.23 Fork carriage DIN 15173, A, B | | | Class III A | Class III A | Class III A | Class IV A |
| 4.24 Fork carriage width *5 | | b3 (mm) | 1348(1678) | 1348(1678) | 1348(1678) | 1348(1678) |
| 4.31 Ground clearance minimum *5 | | m1 (mm) | 169(142) | 169(142) | 177(141) | 177(141) |
| 4.32 Ground clearance centre of wheelbase *5 | | m2 (mm) | 212(186) | 212(186) | 221(185) | 221(185) |
| 4.33 Aisle width for pallets (l6-b12) 1000 x 1200 crossways | | Ast(mm) | 4616 | 4651 | 4805 | 4869 |
| 4.34 Aisle width for pallets (l6-b12) 800 x 1200 lengthways | Ast(mm) | 4816 | 4851 | 5005 | 5069 | |
| 4.35 Outside turning radius | Wa(mm) | 2843 | 2878 | 3032 | 3071 | |
| 4.36 Smallest pivot point distance *5 | b13 (mm) | 980(981) | 980(981) | 1020(1021) | 1020(1021) | |
| Performances | 5.1 Travel speed laden/unladen *5 | km/h | 23.3/21.8(21.9/20.9) | 23.4/21.9(21.8/20.7) | 23.6/21.7(21.7/20.5) | 23.6/21.6(21.8/20.4) |
| | 5.2 Lift speed laden/unladen | m/s | 0.47/0.53 | 0.46/0.53 | 0.45/0.53 | 0.44/0.53 |
| | 5.3 Lowering speed laden/unladen | m/s | 0.50/0.47 | 0.50/0.47 | 0.50/0.47 | 0.50/0.47 |
| | 5.6 Max. drawbar pull laden/unladen *3 *5 | N | 31381/12268 (33146/13200) | 31479/12111 (33166/13043) | 31107/14298 (33186/15004) | 31195/13876 (33146/14543) |
| | 5.8 Max. gradeability laden/unladen *3 *5 | % | 36.2/21.1(37.7/22.1) | 39.2/19.8(34.2/20.7) | 28.9/21.0(30.7/21.8) | 26.6/19.3(28.1/20.0) |
| | 5.9 Acceleration time laden/unladen (0 - 15 m) | s | - | - | - | - |
| 5.10 Service brake | | Wet disc brake | Wet disc brake | Wet disc brake | Wet disc brake | |
| I.C. - Engine | 7.1 Manufacturer / Type *6 | | GM V6 4.3 | GM V6 4.3 | GM V6 4.3 | GM V6 4.3 |
| | 7.2 Rated output acc. To ISO 1585 | KW | 66,3 | 66,3 | 66,3 | 66,3 |
| | 7.3 Rated speed | min-1 | 2400 | 2400 | 2400 | 2400 |
| | 7.4 No. of cylinders / displacement | /cm ³ | 6/4300 | 6/4300 | 6/4300 | 6/4300 |
| | 7.5 Fuel consumption acc. VDI-Cyclus | Diesel = l/h. Gas = kg/h | - | - | - | - |
| Miscellaneous | 8.2 Operating pressure for attachments | bar | 140 | 140 | 140 | 140 |
| | 8.3 Oil volume for attachments | l/min | - | - | - | - |
| | 8.4 Sound level, driver's ear *4 | dB (A) | 87 | 87 | 87 | 87 |
| | 8.5 Towing coupling, class/type DIN | | - | - | - | - |

1) Optional with super-elastic tyres *2 Further lift heights see upright table *3 with 1.6 km/h Without load at friction coefficient $\mu=0.8$ *4 Equivalent permanent sound-pressure level L pAeq, T in accordance with DIN EN 12053 (previously DIN 45635-36) *5 Values for Dual Tyre *6 Diesel = Stage 3b / LPG= Tier0

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.

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 3300 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 C40/45

| 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 | mm | mm |
| Standard | 2500 | 1984/1957 | 3752 | 3269 | 156 | 156 |
| | 2700 | 2085/2057 | 3952 | 3469 | | |
| | 3000 | 2234/2207 | 4252 | 3769 | | |
| | 3300 | 2384/2357 | 4552 | 4069 | | |
| | 3500 | 2484/2457 | 4752 | 4269 | | |
| | 3700 | 2584/2557 | 4952 | 4469 | | |
| | 4000 | 2734/2707 | 5252 | 4769 | | |
| | 4500 | 2984/2957 | 5752 | 5269 | | |
| 5000 | 3234/3207 | 6252 | 5769 | | | |
| Triple | 2450 | 1599/1572 | 3702 | 3219 | 379/352 | 862/835 |
| | 3700 | 2016/1989 | 4952 | 4469 | 796/769 | 1279/1252 |
| | 4000 | 2116/2089 | 5252 | 4769 | 896/869 | 1379/1352 |
| | 4300 | 2216/2189 | 5552 | 5069 | 996/969 | 1479/1452 |
| | 4500 | 2283/2256 | 5752 | 5269 | 1063/1036 | 1546/1519 |
| | 4800 | 2383/2356 | 6052 | 5569 | 1163/1136 | 1646/1619 |
| | 5000 | 2450/2423 | 6252 | 5769 | 1230/1203 | 1713/1686 |
| | 5500 | 2617/2590 | 6752 | 6269 | 1397/1370 | 1880/1853 |
| | 6000 | 2784/2757 | 7252 | 6769 | 1564/1537 | 2047/2020 |
| | 6500 | 2951/2924 | 7752 | 7269 | 1731/1704 | 2214/2187 |
| 7000 | 3118/3091 | 8252 | 7769 | 1898/1871 | 2381/2354 | |
| HI-LO | 2700 | 2133/2106 | 3951 | 3468 | 913/886 | 1396/1369 |
| | 3000 | 2283/2256 | 4251 | 3768 | 1063/1036 | 1546/1519 |
| | 3300 | 2433/2406 | 4551 | 4068 | 1213/1186 | 1696/1669 |

* Single / Dual Tyre

Upright table C50s

| 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 | mm | mm |
| Standard | 2500 | 1992/1957 | 3752 | 3269 | 156 | 156 |
| | 2700 | 2092/2057 | 3952 | 3469 | | |
| | 3000 | 2242/2207 | 4252 | 3769 | | |
| | 3300 | 2392/2357 | 4552 | 4069 | | |
| | 3500 | 2492/2457 | 4752 | 4269 | | |
| | 3700 | 2592/2557 | 4952 | 4469 | | |
| | 4000 | 2742/2707 | 5252 | 4769 | | |
| | 4500 | 2992/2957 | 5752 | 5269 | | |
| | 5000 | 3242/3207 | 6252 | 5769 | | |
| | Triple | 2450 | 1607/1572 | 3702 | | |
| 3700 | | 2024/1989 | 4952 | 4469 | 804/769 | 1287/1252 |
| 4000 | | 2124/2089 | 5252 | 4769 | 904/869 | 1387/1352 |
| 4300 | | 2224/2189 | 5552 | 5069 | 1004/969 | 1487/1452 |
| 4500 | | 2291/2256 | 5752 | 5269 | 1071/1036 | 1554/1519 |
| 4800 | | 2391/2356 | 6052 | 5569 | 1171/1136 | 1654/1619 |
| 5000 | | 2458/2423 | 6252 | 5769 | 1238/1203 | 1721/1686 |
| 5500 | | 2625/2590 | 6752 | 6269 | 1405/1370 | 1888/1853 |
| 6000 | | 2792/2757 | 7252 | 6769 | 1572/1537 | 2055/2020 |
| 6500 | | 2959/2924 | 7752 | 7269 | 1739/1704 | 2222/2187 |
| 7000 | 3126/3091 | 8252 | 7769 | 1906/1871 | 2389/2354 | |
| HI-LO | 2700 | 2141/2106 | 3951 | 3468 | 921/886 | 1404/1369 |
| | 3000 | 2291/2256 | 4251 | 3768 | 1071/1036 | 1554/1519 |
| | 3300 | 2441/2406 | 4551 | 4068 | 1221/1186 | 1704/1669 |

* Single / Dual Tyre

Upright table C55s

| 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 | mm | mm |
| Standard | 2300 | 1992/1956 | 3552 | 3252 | 166 | 166 |
| | 2500 | 2092/2056 | 3752 | 3452 | | |
| | 2800 | 2242/2206 | 4052 | 3752 | | |
| | 3100 | 2392/2356 | 4352 | 4052 | | |
| | 3300 | 2492/2456 | 4552 | 4252 | | |
| | 3500 | 2592/2556 | 4752 | 4452 | | |
| | 3800 | 2742/2706 | 5052 | 4752 | | |
| | 4300 | 2992/2956 | 5552 | 5252 | | |
| | 4800 | 3242/3206 | 6052 | 5752 | | |
| | Triple | 2250 | 1607/1571 | 3502 | | |
| 3500 | | 2024/1988 | 4752 | 4452 | 814/778 | 1104/1068 |
| 3800 | | 2124/2088 | 5052 | 4752 | 914/878 | 1204/1168 |
| 4100 | | 2224/2188 | 5352 | 5052 | 1014/978 | 1304/1268 |
| 4300 | | 2291/2255 | 5552 | 5252 | 1081/1045 | 1371/1335 |
| 4600 | | 2391/2355 | 5852 | 5552 | 1181/1145 | 1471/1435 |
| 4800 | | 2458/2422 | 6052 | 5752 | 1248/1212 | 1538/1502 |
| 5300 | | 2625/2589 | 6552 | 6252 | 1415/1379 | 1705/1669 |
| 5800 | | 2792/2756 | 7052 | 6752 | 1582/1546 | 1872/1836 |
| 6300 | | 2959/2923 | 7552 | 7252 | 1749/1713 | 2039/2003 |
| 6800 | 3126/3090 | 8052 | 7752 | 1916/1880 | 2206/2170 | |
| HI-LO | 2600 | 2141/2105 | 3861 | 3561 | 931/895 | 1221/1185 |
| | 2900 | 2291/2255 | 4161 | 3861 | 1081/1045 | 1371/1335 |
| | 3200 | 2441/2405 | 4461 | 4161 | 1231/1195 | 1521/1485 |

* Single / Dual Tyre

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.

PRODUCT DESCRIPTION



The C40-55s series from CLARK marks a further development in the reliable, durable and powerful forklifts of the premium Gen2 series. Lower operating and maintenance costs combined with a well-designed and ergonomic operators compartment are what makes this forklift truly unique. The sturdy „Built to last“ upright and a robust construction with no thin metal or plastic components means these forklifts are suitable for use under even the toughest conditions.

Driver's cab

The driver accesses his ergonomically designed compartment via a large, low positioned perforated non-slip metal step. A grab handle on the drivers side of entry makes it easy to climb up and down. A full width rubber floor covering in the footwell prevents slippage.

The adjustable steering column (30°) with two spoke steering wheel and an easy-to-adjust, yet comfortable seat together with impressive leg room allow perfect adaptation to any driver.

Automotive style foot pedals and fully directional hood mounted control levers with international symbols avoid confusion for any operator.

The operating data is displayed in real-time on the clear TFT LCD colour display. A low front cowl and ingenious narrow profile arrangement of the chains and hoses on the upright ensure a wide field of vision for the driver.

Easily accessible storage compartments and an ideally positioned automotive style hand brake, set this driver's cab apart.

Engine, Transmission

The CLARK C40-55s forklifts with LPG or diesel power enable excellent acceleration and high driving performance. These extremely robust modern engines are at the top end of the performance class. A Deutz TD3.6 diesel engine with 55,4 kW at 2200 revolutions per minute is just as impressive as the LPG propelled GM V6 with 4.3 litres. The Deutz Diesel Engine - meets all EU exhaust gas emission (Stage IIIB).

A complete new developed engine with high peak torque. With the installed DVERT®Oxidation Catalyst (DOC) there is no machine downtime. The exhaust after treatment is done during the operation. Alternative Systems with DPF (Diesel-Particle-Filter) require a regeneration process, which means truck downtime during the operation. Both engine versions are connected to a proven two-gear automatic transmission.

To protect your investment, the temperature of the engine and transmission is constantly monitored and in the event of design limits being exceeded the engine is automatically switched off. Heavy Duty flexible coupling of the engine/transmission and drive axle reduces vibrations and noises to a minimum.

All engines comply with EU directives ensuring low noise and exhaust emissions.

Brake system

Wet disc service brakes and an independent drum parking brake ensure a reliable high level of safety. Power assisted service brakes ensure that the work is undertaken in a relaxed and stress free manner with full focus on the task in hand. A stress free comfortable operator, works always at his peak ensuring optimum productivity over the complete shift.

Steering system

The hydrostatic power steering eliminates steering Kick-Back ,makes steering easy and reaches full lock with just a few turns of the steering wheel. The steering axle has pivotal bearings mounted in rubber steel elements. The spherical bearing mounted short tie rods are adjustment free and guarantee precise and continuous driving in a straight line. The double acting steer cylinder ensures precise and direct steering. The axle kingpins are mounted in lubricated tapered roller bearings for long service life.

Hydraulic system

A full-flow reverse filter, filters the oil to the tank at each reverse flow. Rough particles are filtered directly via a suction filter, thereby preventing them from entering the oil circuit, ensuring a long service life for all hydraulic components. With 88 litres in the C40/C45 and 100 litres in the C50/55, there is always enough hydraulic oil available for the highest upright and all attachments.

A high-capacity pump provides adequate oil supply for the upright and the hydrostatic steering. A priority distributor ensures steering priority in all conditions. Load handling is controlled via a load sensitive-response and precise control valve. A safety valve provides extra safety and prevents an uncontrolled lowering of the load at all times.

Upright

The clear-view uprights are available in Standard, Hilo and Triplex versions. The heavy duty interlocked narrow profiles provide high strength even under the heaviest load. Adjustable sealed canted (Angled) rollers minimize deflection particularly when handling off-set loads.

The tilt cylinders are mounted in spherical bearings. This consequently extends the service life of the complete cylinder by preventing premature leaks due to cylinder rod deflection. An integral tilt-lock valve prevents unintentional tilting of the upright when the power is off.

The heavy duty tapered forged forks with hook or shaft mounting are adjustable and locked by individual pins.

The sturdy 6-roller fork carriage with adjustable side thrust rollers enhances the durability of this design, preventing carriage "Jamming" when handling off-set loads.

Additional standard equipment

Front headlights, direction indicator lights, combination rear lights with brake lights and white reversing light, pneumatic tyres, acoustic reversing alarm, paintwork in the bright safety colour "CLARK Green", driver's compartment and upright in black, rims in white.

Additional equipment

SE tyres, air-conditioned (only for diesel engine) or heated cabs, Mini-Lever on Armrest with direction control, integrated or hook on sideshifts, various other attachments, fuel cap lock, quick-release couplings, various seats, reduced driver's overhead guard height and much more.

Security

The C40-55s series is CE certified and corresponds to all European safety standards for forklift trucks.

Talk to your CLARK dealer to find the optimum equipment for you.

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