

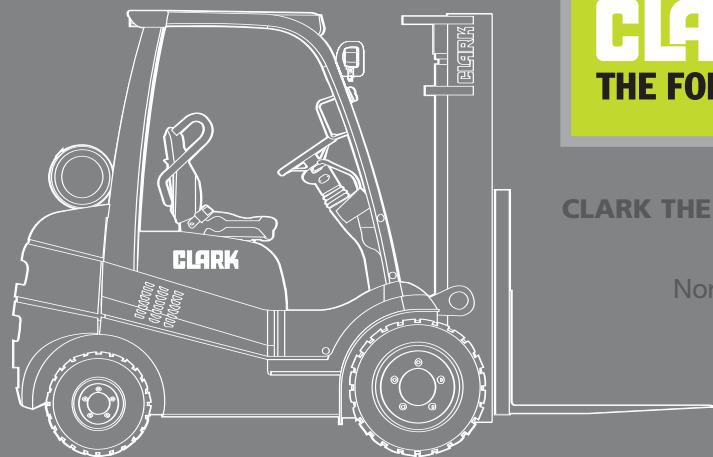
IC-PNEUMATIC

GEN2™ Series

Pneumatic Tire Lift Trucks LPG/LPG High Performance/Gasoline/Diesel

| | |
|-----|-------------------|
| C20 | 4,000 lbs 2000 kg |
| C25 | 5,000 lbs 2500 kg |
| C30 | 6,000 lbs 3000 kg |
| C35 | 7,000 lbs 3300 kg |

C20/25/30/35



CLARK THE FORKLIFT

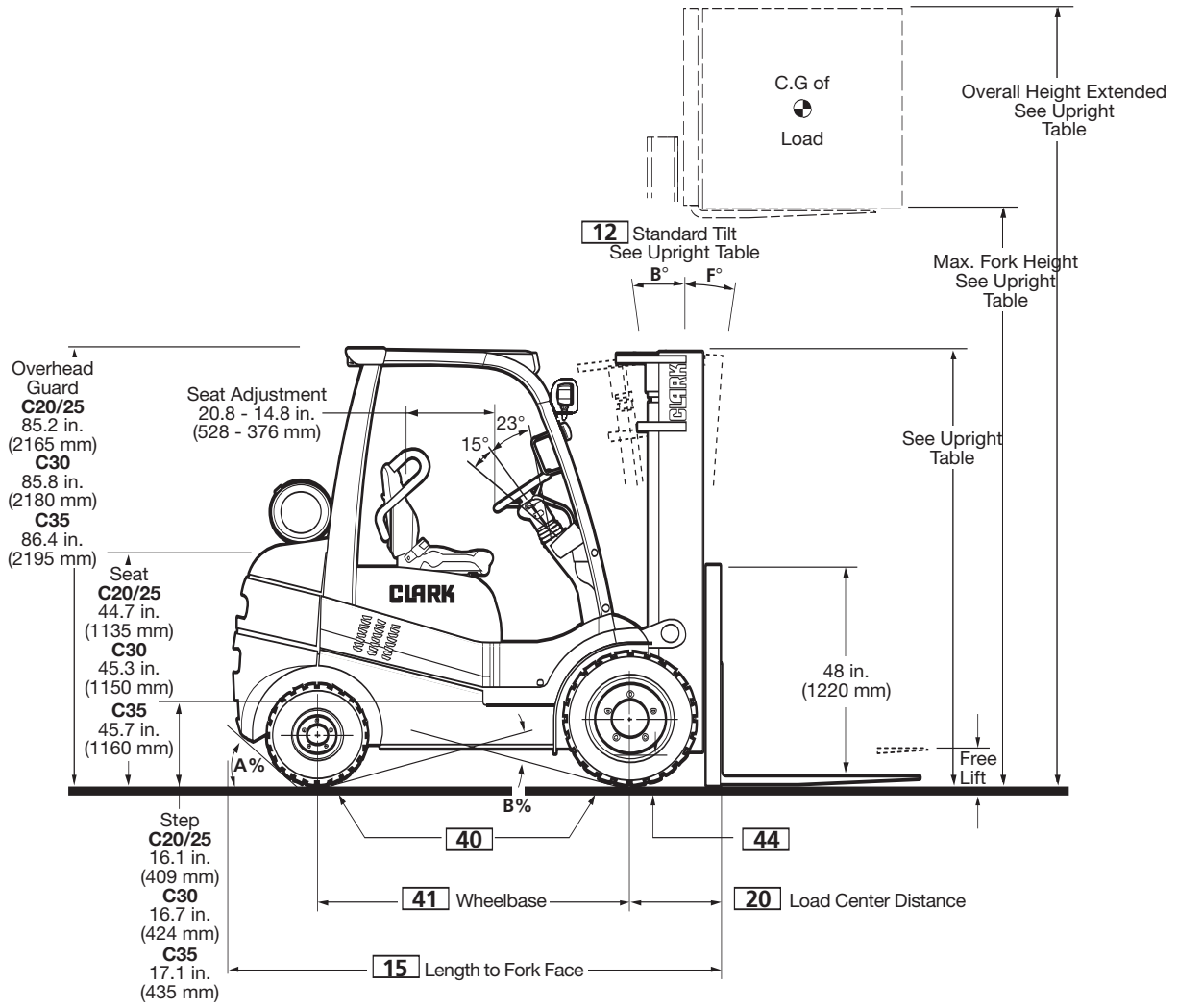
North America

Korea

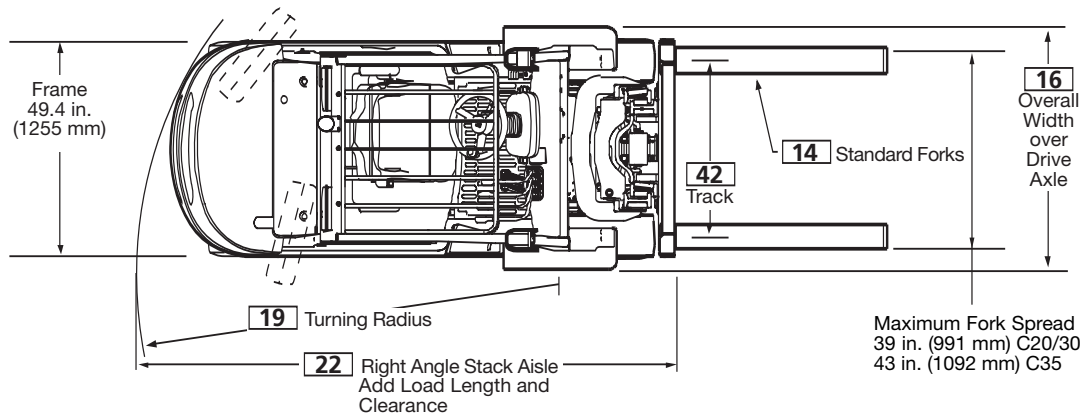
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For corresponding data see Specification Chart.

DIMENSIONS



C20/25/30/35



Upright Table

| | Maximum Fork Height | | Overall Height ¹ Lowered | | Free Lift ⁴ | | Standard Tilt Spec ² B°/F° |
|------------------------|---------------------|-------|-------------------------------------|------|------------------------|------|---------------------------------------|
| | in | mm | in | mm | in | mm | |
| C20/25 Standard | | | | | | | |
| 83 | 2110 | 62.0 | 1575 | 4.13 | 105 | 6/10 | |
| 105 | 2665 | 73.0 | 1854 | 4.13 | 105 | 6/10 | |
| 117 | 2970 | 78.9 | 2004 | 4.13 | 105 | 6/10 | |
| •130 | 3300 | 85.2 | 2164 | 4.13 | 105 | 10/8 | |
| 146 | 3705 | 96.7 | 2456 | 4.13 | 105 | 10/8 | |
| 152 | 3860 | 99.6 | 2529 | 4.13 | 105 | 10/8 | |
| 164 | 4165 | 110.2 | 2799 | 4.13 | 105 | 5/6 | |
| 172 | 4380 | 118.1 | 2999 | 4.13 | 105 | 5/6 | |
| 182 | 4620 | 127.2 | 3230 | 4.13 | 105 | 5/6 | |
| 203 | 5170 | 137.6 | 3495 | 4.13 | 105 | 5/3 | |

| C30 Standard | | | | | | | |
|---------------------|------|-------|------|------|-----|------|--|
| 83 | 2110 | 62.6 | 1590 | 4.33 | 110 | 6/10 | |
| 105 | 2665 | 73.6 | 1869 | 4.33 | 110 | 6/10 | |
| 117 | 2970 | 79.5 | 2019 | 4.33 | 110 | 6/10 | |
| •130 | 3300 | 85.8 | 2179 | 4.33 | 110 | 10/F | |
| 146 | 3705 | 97.2 | 2468 | 4.33 | 110 | 10/8 | |
| 152 | 3860 | 100.2 | 2545 | 4.33 | 110 | 10/8 | |
| 164 | 4165 | 110.8 | 2814 | 4.33 | 110 | 5/6 | |
| 172 | 4380 | 118.7 | 3014 | 4.33 | 110 | 5/6 | |
| 182 | 4620 | 127.8 | 3246 | 4.33 | 110 | 5/6 | |
| 203 | 5170 | 138.2 | 3510 | 4.33 | 110 | 5/3 | |

| C35 Standard | | | | | | | |
|---------------------|------|-----|------|-----|-----|------|--|
| 78 | 1985 | 63 | 1610 | 4.5 | 115 | 6/10 | |
| 100 | 2545 | 74 | 1890 | 4.5 | 115 | 6/10 | |
| 112 | 2845 | 80 | 2040 | 4.5 | 115 | 6/10 | |
| 125 | 3165 | 87 | 2200 | 4.5 | 115 | 10/8 | |
| 141 | 3590 | 98 | 2490 | 4.5 | 115 | 10/8 | |
| 147 | 3725 | 101 | 2565 | 4.5 | 115 | 10/8 | |
| 159 | 4030 | 112 | 2835 | 4.5 | 115 | 5/6 | |
| 167 | 4245 | 119 | 3035 | 4.5 | 115 | 5/6 | |
| 177 | 4485 | 129 | 3265 | 4.5 | 115 | 5/6 | |
| 198 | 5035 | 139 | 3530 | 4.5 | 115 | 5/3 | |

| C20/25 Triple Stage³ | | | | | | | |
|--|------|-------|------|-------|------|-----|--|
| 152 | 3860 | 73.0 | 1854 | 47.3 | 1201 | 5/6 | |
| 170 | 4315 | 78.9 | 2004 | 53.2 | 1351 | 5/6 | |
| •189 | 4800 | 85.2 | 2164 | 59.5 | 1511 | 5/6 | |
| 205 | 5205 | 90.7 | 2303 | 64.9 | 1648 | 5/3 | |
| 217 | 5510 | 96.7 | 2456 | 70.9 | 1800 | 5/3 | |
| 226 | 5740 | 99.6 | 2529 | 73.8 | 1875 | 5/3 | |
| 240 | 6095 | 105.9 | 2689 | 80.1 | 2035 | 5/3 | |
| 251 | 6370 | 110.2 | 2799 | 84.5 | 2135 | 3/3 | |
| 269 | 6830 | 118.1 | 2999 | 92.3 | 2344 | 3/3 | |
| 288 | 7315 | 127.2 | 3230 | 101.4 | 2576 | 3/3 | |

| C30 Triple Stage³ | | | | | | | |
|-------------------------------------|------|-------|------|------|------|-----|--|
| 152 | 3860 | 73.6 | 1869 | 45.5 | 1156 | 5/6 | |
| 170 | 4315 | 79.5 | 2019 | 51.4 | 1306 | 5/6 | |
| •189 | 4800 | 85.8 | 2179 | 57.7 | 1466 | 5/6 | |
| 205 | 5205 | 91.3 | 2319 | 63.2 | 1605 | 5/3 | |
| 217 | 5510 | 97.2 | 2468 | 69.1 | 1755 | 5/3 | |
| 226 | 5740 | 100.2 | 2545 | 72.0 | 1829 | 5/3 | |
| 240 | 6095 | 106.5 | 2705 | 78.3 | 1989 | 5/3 | |
| 251 | 6370 | 110.8 | 2814 | 82.7 | 2100 | 3/3 | |
| 269 | 6830 | 118.7 | 3014 | 90.5 | 2299 | 3/3 | |
| 288 | 7315 | 127.8 | 3246 | 99.6 | 2530 | 3/3 | |

| C35 Triple Stage³ | | | | | | | |
|-------------------------------------|------|-----|------|----|------|-----|--|
| 146 | 3680 | 74 | 1890 | 26 | 671 | 5/6 | |
| 163 | 4140 | 80 | 2040 | 32 | 821 | 5/6 | |
| •182 | 4620 | 87 | 2200 | 39 | 981 | 5/6 | |
| 198 | 5030 | 92 | 2340 | 44 | 1121 | 5/3 | |
| 210 | 5340 | 98 | 2490 | 50 | 1271 | 5/3 | |
| 219 | 5560 | 101 | 2565 | 53 | 1346 | 5/3 | |
| 233 | 5920 | 107 | 2725 | 59 | 1506 | 5/3 | |
| 243 | 6190 | 112 | 2835 | 63 | 1616 | 3/3 | |
| 262 | 6650 | 119 | 3035 | 71 | 1816 | 3/3 | |
| 281 | 7135 | 129 | 3265 | 81 | 2046 | 3/3 | |

Upright Table (cont.)

| | Maximum Fork Height | | Overall Height ¹ Lowered | | Free Lift ⁴ | | Standard Tilt Spec ² B°/F° |
|---------------------|---------------------|------|-------------------------------------|------|------------------------|------|---------------------------------------|
| | in | mm | in | mm | in | mm | |
| C20/25 Hi-Lo | | | | | | | |
| 116 | 2945 | 78.9 | 2004 | 54.4 | 1381 | 6/10 | |
| •128 | 3250 | 85.2 | 2164 | 60.7 | 1541 | 10/8 | |
| 139 | 3531 | 90.7 | 2303 | 66.2 | 1681 | 10/8 | |
| 148 | 3760 | 96.7 | 2456 | 72.1 | 1831 | 10/8 | |
| 154 | 3912 | 99.6 | 2529 | 75.1 | 1907 | 5/6 | |

| C30 Hi-Lo | | | | | | | |
|------------------|------|-------|------|------|------|------|--|
| 116 | 2945 | 79.5 | 2019 | 52.4 | 1331 | 6/10 | |
| •128 | 3250 | 85.8 | 2179 | 58.7 | 1491 | 10/8 | |
| 139 | 3531 | 91.3 | 2319 | 64.2 | 1631 | 10/8 | |
| 148 | 3760 | 97.2 | 2468 | 70.1 | 1781 | 10/8 | |
| 154 | 3912 | 100.2 | 2545 | 73.1 | 1857 | 5/6 | |

| C20/25/30 Quad³ | | | | | | | |
|-----------------------------------|------|-----|------|----|------|-----|--|
| 216 | 5485 | 79 | 2006 | 53 | 1346 | 5/3 | |
| •240 | 6096 | 85 | 2159 | 59 | 1499 | 5/3 | |
| 258 | 6553 | 91 | 2311 | 65 | 1651 | 3/0 | |
| 276 | 7010 | 97 | 2463 | 71 | 1803 | 3/0 | |
| 294 | 7465 | 103 | 2616 | 77 | 1955 | 1/0 | |
| 312 | 7925 | 109 | 2769 | 83 | 2108 | 1/0 | |

Grade Clearance

| Model | A% | B% |
|--------|------|------|
| C20/25 | 57.7 | 23.2 |
| C30 | 57.7 | 22.9 |
| C35 | 30.0 | 25.4 |

- Indicates preferred common specification.
- ¹ For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height.
- ² Standard tilt shown. Contact Clark representative for information on optional tilt.
- ³ Dual drive or wide profile single drive tires are required with uprights above 247 in. (6270 mm) MFH. Dual drive is standard with Quad uprights, for single drive request special quote. Quads require Class II carriages, forks and load backrests.
- ⁴ Freelif dimensions shown are without load backrest.

Other uprights available, contact a Clark representative.

Notes

Production engines and driveline components may vary in output and/or efficiency by ±5%. 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.

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ASME and Insurance Classification

Standard truck meets all applicable mandatory requirements of ASME-B56.1 Safety Standard for Powered Industrial Trucks and Underwriters Laboratories requirements as to fire hazard only. For further information contact a Clark representative.

3 Performance information shown for LPG.
4 Engines rated per SAE J1349.

SPECIFICATIONS

Notes: 1 Weights and performance information are given on trucks with 189 in. (4800 mm) triple uprights.

| General Information | 1 | Manufacturer | | Clark | Clark | Clark | | |
|-------------------------------|--------------------------------------|---|--|--------------------------|-------------------------|-------------------------|---------------------------|------------|
| | 2 | Model | Manufacturer's designation | C20L | C25L | C30L | | |
| | 3 | Load capacity | lbs(kg) | 4000 (2000) | 5000 (2500) | 6000 (3000) | | |
| | 4 | Load center | Fork face to load CG | in(mm) | 24 (500) | 24 (500) | 24 (500) | |
| | 5 | Drive unit | Type | LPG | LPG | LPG | | |
| | 6 | Operator type | | Rider counterbalanced | Rider counterbalanced | Rider counterbalanced | | |
| | 7 | Tire type | | Pneumatic | Pneumatic | Pneumatic | | |
| | 8 | Wheels (x=driven) | Front/rear | 2 x / 2 | 2 x / 2 | 2 x / 2 | | |
| Basic Dimensions ¹ | 9 | Upright ¹ | Maximum fork height, full capacity | in(mm) | 170 (4320) | 170 (4320) | 170 (4320) | |
| | 10 | | Lift height (preferred triple upright) | in(mm) | 189 (4800) | 189 (4800) | 189 (4800) | |
| | 11 | | Free lift ¹ | in(mm) | 59.5 (1511) | 59.5 (1511) | 57.7 (1466) | |
| | 12 | Upright tilt | Back/forward (see tilt specifications) | degrees | 5B / 6F | 5B / 6F | 5B / 6F | |
| | 14 | Fork | Std. Fork size (TxWxL) | in(mm) | 1.75x4x42 (45x100x1070) | 1.75x4x42 (45x100x1070) | 1.75x4.8x42 (45x122x1070) | |
| | 15 | Overall dimensions ¹ | Length to fork face ¹ | in(mm) | 98.3 (2496) | 100.7 (2558) | 105.0 (2668) | |
| | 16 | | Width over drive axle | in(mm) | 48.2 (1225) | 48.2 (1225) | 48.7 (1237) | |
| | 17 | | Height, upright lowered ¹ | in(mm) | 85.2 (2165) | 85.2 (2165) | 85.8 (2180) | |
| | | | Height, upright extended w/ load backrest ¹ | in(mm) | 237 (6020) | 237 (6020) | 237 (6020) | |
| | 18 | | Height, overhead guard | in(mm) | 85.2 (2165) | 85.2 (2165) | 85.8 (2165) | |
| | 19 | Turning radius | Outside | in(mm) | 88.4 (2245) | 90.6 (2300) | 94.7 (2405) | |
| | 20 | Load center distance ¹ | Center of drive axle to fork face ¹ | in(mm) | 17.9 (455) | 17.9 (455) | 18.8 (477) | |
| | 22 | Right angle stack aisle ¹ | Add load length and clearance ¹ | in(mm) | 106.3 (2700) | 108.5 (2755) | 113.5 (2882) | |
| | Performance ^{1,2,3} | 23 | Stability | According to ASME B56.1 | | Yes | Yes | Yes |
| 24 | | Speed ³ | Travel speed, max w/load | mph(kph) | 12.5 (20.3) | 12.4 (20.1) | 12.4 (20.1) | |
| 25 | | | Travel speed, max w/o load | mph(kph) | 12.9 (20.9) | 12.6 (20.4) | 12.6 (20.4) | |
| | | | Speed on grade, loaded ³ | 5%, loaded ³ | mph(kph) | 9.9 (16.0) | 9.3 (15.1) | 8.9 (14.4) |
| | | | | 10%, loaded ³ | mph(kph) | 6.2 (10.0) | 5.3 (8.5) | 4.5 (7.2) |
| | | | | 15%, loaded ³ | mph(kph) | 4.0 (6.5) | 3.2 (5.1) | 2.4 (3.9) |
| 26 | | Lift speed, loaded/empty ³ | Standard upright ³ | fpm(ms) | 97/108 (.49/.55) | 95/108 (.48/.55) | 93/108 (.47/.55) | |
| 28 | | | Triple stage upright ³ | fpm(ms) | 93/104 (.47/.53) | 91/104 (.46/.53) | 89/104 (.45/.53) | |
| 29 | | Lower speed,loaded/empty | Standard upright | fpm(ms) | 89/89 (.45/.45) | 89/89 (.45/.45) | 89/89 (.45/.45) | |
| | | | Triple stage upright | fpm(ms) | 85/85 (.43/.43) | 85/85 (.43/.43) | 85/85 (.43/.43) | |
| 30 | Drawbar pull, maximum ^{1,3} | With load ³ | lbs/N | 3750 / 16,680 | 3710 / 16,500 | 3660 / 16,280 | | |
| 32 | Gradeability ^{1,3} | At 1 mph (1.6 kph) with load ³ | % | 27.0 | 23.9 | 20.6 | | |
| | | Maximum with/without load ^{1,3} | % | 31.3 / 29.5 | 27.0 / 25.5 | 23.4 / 22.9 | | |
| Weights ¹ | 34 | Service weight ¹ | lbs(kg) | 8088 (3669) | 8838 (4009) | 9786 (4439) | | |
| | 35 | Axle loading ¹ | With load, front ¹ | lbs(kg) | 10,885 (4937) | 12,386 (5618) | 14,213 (6447) | |
| | 36 | | With load, rear ¹ | lbs(kg) | 1203 (546) | 1452 (659) | 1573 (713) | |
| | 37 | | Without load, front ¹ | lbs(kg) | 4258 (1931) | 4101 (1860) | 4271 (1937) | |
| | 38 | | Without load, rear ¹ | lbs(kg) | 3830 (1737) | 4737 (2149) | 5515 (2502) | |
| Chassis | 39 | Tires | Number, front/rear | | 2 / 2 | 2 / 2 | 2 / 2 | |
| | 40 | | Size, front | in | 7.00x12 - 14PR | 7.00x12 - 14PR | 8.15x15 - 14PR | |
| | | | Size, rear | in | 6.00x9 - 10PR | 6.00x9 - 10PR | 6.50x10 - 12PR | |
| | 41 | Wheelbase | | in(mm) | 63.8 (1620) | 63.8 (1620) | 66.9 (1700) | |
| | 42 | Track | Front/rear | in(mm) | 39.1 / 35.6 (994/904) | 39.1 / 35.6 (994/904) | 40.5/35.9 (1028/912) | |
| | 44 | Ground clearance | Minimum/at center of wheelbase | in(mm) | 5.3/6.1 (135/155) | 5.3/6.1 (135/155) | 5.9/6.5 (150/165) | |
| | 46 | Service brake | Type | | Drum | Drum | Drum | |
| 47 | Parking brake | Actuation | | Foot | Foot | Foot | | |
| | Steering | Type | | Hydrostatic | Hydrostatic | Hydrostatic | | |
| Drive Line | 49 | Engine ^{3,4} | Manufacturer/model | | Mitsubishi / 4G64 | Mitsubishi / 4G64 | Mitsubishi / 4G64 | |
| | 51 | | Rated output ^{3,4} | HP/kW@rpm | 46 / 34 @ 2250 | 46 / 34 @ 2250 | 46 / 34 @ 2250 | |
| | | | Torque ^{3,4} | Lb-ft/Nm@rpm | 114 / 155 @ 1400 | 114 / 155 @ 1400 | 114 / 155 @ 1400 | |
| | 52 | | Speed, max governed | rpm | 2650 | 2650 | 2650 | |
| | 53 | | Cylinders/displacement | cu. In.-liters | 4 / 143 - 2.4 | 4 / 143 - 2.4 | 4 / 143 - 2.4 | |
| 54 | Transmission | Manufacturer/type, speeds F/R | | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | | |
| 57 | Hydraulic pressure | For attachments | PSI/Bar | Adjustable | Adjustable | Adjustable | | |
| | | Avg. at operator's ear per ISO | dB(A) | 78 | 78 | 78 | | |
| 58 | Sound level | | | | | | | |

Note: See High Performance specs for C35L.

Notes:
1 Weights and performance information are given on trucks with 189 in. (4800 mm) triple uprights (182 in (4625 mm) on C35).
3 Engines rated per SAE J1349.

SPECIFICATIONS

2 Performance information shown for LPG High Performance. Performance with gasoline will be greater than values shown.
4 High Performance is standard on the C35L.

| General Information | 1 | Manufacturer | | Clark | Clark | Clark | Clark | | |
|-------------------------------|--------------------------------------|---|--|------------------------------|------------------------------|------------------------------|--|--------------------------|-------------------|
| | 2 | Model | Manufacturer's designation | C20L High Performance | C25L High Performance | C30L High Performance | C35L High Performance⁴ | | |
| | 3 | Load capacity | lbs(kg) | 4000 (2000) | 5000 (2500) | 6000 (3000) | 7000 (3300) | | |
| | 4 | Load center | Fork face to load CG | in.(mm) | 24 (500) | 24 (500) | 24 (500) | 24 (500) | |
| | 5 | Drive unit | Type | LPG | LPG | LPG | LPG | | |
| | 6 | Operator type | | Rider counterbalanced | Rider counterbalanced | Rider counterbalanced | Rider counterbalanced | | |
| | 7 | Tire type | | Pneumatic | Pneumatic | Pneumatic | Pneumatic | | |
| | 8 | Wheels (x=driven) | Front/rear | 2 x / 2 | 2 x / 2 | 2 x / 2 | 2 x / 2 | | |
| Basic Dimensions ¹ | 9 | Upright ¹ | Maximum fork height, full capacity | in.(mm) | 170 (4318) | 170 (4318) | 170 (4320) | 146 (3680) | |
| | 10 | | Lift height (preferred triple upright) | in.(mm) | 189 (4800) | 189 (4800) | 189 (4800) | 182 (4620) | |
| | 11 | | Free lift ¹ | in.(mm) | 59.5 (1511) | 59.5 (1511) | 57.7 (1466) | 39.0 (981) | |
| | 12 | Upright tilt | Back/forward (see tilt specifications) | degrees | 5B / 6F | 5B / 6F | 5B / 6F | 5B/6F | |
| | 14 | Fork | Std. Fork size (TxWxL) | in.(mm) | 1.75x4x42 (45x100x1070) | 1.75x4x42 (45x100x1070) | 1.75x4.8x42 (45x122x1070) | 2.0x4.8x42 (50x122x1070) | |
| | 15 | Overall dimensions ¹ | Length to fork face ² | in.(mm) | 98.3 (2496) | 100.7 (2558) | 105.0 (2668) | 109.0 (2770) | |
| | 16 | | Width over drive axle | in.(mm) | 48.2 (1225) | 48.2 (1225) | 48.7 (1237) | 51.8 (1315) | |
| | 17 | | Height, upright lowered ² | in.(mm) | 85.2 (2165) | 85.2 (2165) | 85.8 (2180) | 87.0 (2200) | |
| | | | Height, upright extended w/ load backrest ¹ | in.(mm) | 237 (6020) | 237 (6020) | 237 (6020) | 230 (5842) | |
| | 18 | | Height, overhead guard | in.(mm) | 85.2 (2165) | 85.2 (2165) | 85.8 (2180) | 86.4(2195) | |
| | 19 | Turning radius | Outside | in.(mm) | 88.4 (2245) | 90.6 (2300) | 94.7 (2405) | 97.6 (2480) | |
| | 20 | Load center distance ¹ | Center of drive axle to fork face ² | in.(mm) | 17.9 (455) | 17.9 (455) | 18.8 (477) | 18.7 (475) | |
| | 22 | Right angle stack aisle ¹ | Add load length and clearance ² | in.(mm) | 106.3 (2700) | 108.5 (2755) | 113.5 (2882) | 116.3 (2955) | |
| | Performance ^{1,2,3} | 23 | Stability | According to ASME B56.1 | Yes | Yes | Yes | Yes | |
| 24 | | Speed ³ | Travel speed, max w/load | mph(kph) | 13.3 (21.5) | 13.2 (21.3) | 13.0 (21.1) | 13.6 (21.5) | |
| 25 | | | Travel speed, max w/o load | mph(kph) | 13.6 (22.0) | 13.5 (21.8) | 13.7 (22.2) | 13.9 (22.3) | |
| | | | Speed on grade, loaded ³ | 5%, loaded ³ | mph(kph) | 12 (19.4) | 11.8 (19.1) | 11.5 (18.6) | 7.5 (12.1) |
| | | | | 10%, loaded ³ | mph(kph) | 7.1 (11.5) | 6.0 (9.7) | 5.0 (8.1) | 3.7 (6.0) |
| | | | | 15%, loaded ³ | mph(kph) | 4.7 (7.6) | 3.8 (6.2) | 2.9 (4.7) | 1.7 (2.7) |
| 26 | | Lift speed, loaded/empty ³ | Standard upright ¹ | fpm(ms) | 106/124 (.54/.63) | 104/124 (.53/.63) | 102/124 (.52/.63) | 83/102 (.42/.52) | |
| 28 | | | Triple stage upright ¹ | fpm(ms) | 102/126 (.52/.61) | 100/120 (.51/.61) | 98/120 (.50/.61) | 79/98 (.40/.50) | |
| 29 | | Lower speed,loaded/empty | Standard upright | fpm(ms) | 89/89 (.45/.45) | 89/89 (.45/.45) | 89/89 (.45/.45) | 89/89 (.45/.45) | |
| | | | Triple stage upright | fpm(ms) | 85/85 (.43/.43) | 85/85 (.43/.43) | 85/85 (.43/.43) | 85/85 (.43/.43) | |
| 30 | Drawbar pull, maximum ^{1,3} | With load ³ | lbs/N | 4125 / 18350 | 4125 / 18350 | 4050 / 18015 | 3307 (14,710) | | |
| 32 | Gradeability ^{1,3} | At 1 mph (1.6 kph) with load ³ | % | 30.2 | 25.8 | 21.2 | 17 | | |
| | | Maximum with/without load ^{1,3} | % | 36.1 / 29.5 | 30.8 / 25.5 | 25.3 / 22.9 | 19.0 / 16.4 | | |
| Weights ¹ | 34 | Service weight ¹ | lbs(kg) | 8088 (3669) | 8838 (4009) | 9786 (4439) | 10300 (4672) | | |
| | 35 | Axle loading ¹ | With load, front ¹ | lbs(kg) | 10885 (4937) | 12,386 (5618) | 14,213 (6447) | 15,138 (6881) | |
| | 36 | | With load, rear ¹ | lbs(kg) | 1203 (546) | 1452 (659) | 1573 (713) | 2162 (983) | |
| | 37 | | Without load, front ¹ | lbs(kg) | 4258 (1931) | 4101 (1860) | 4271 (1937) | 3671 (1665) | |
| | 38 | | Without load, rear ¹ | lbs(kg) | 3830 (1737) | 4737 (2149) | 5515 (2502) | 6629 (3007) | |
| Chassis | 39 | Tires | Number, front/rear | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 | | |
| | 40 | | Size, front | in | 7.00x12 - 14PR | 7.00x12 - 14PR | 8.15x15 - 14PR | 250x15-18PR | |
| | | | Size, rear | in | 6.00x9 - 10PR | 6.00x9 - 10PR | 6.50x10 - 12PR | 6.50x10-12PR | |
| | 41 | Wheelbase | in.(mm) | 63.8 (1620) | 63.8 (1620) | 66.9 (1700) | 66.9 (1700) | | |
| | 42 | Track | Front/rear | in.(mm) | 39.1/35.6 (994/904) | 39.1/35.6 (994/904) | 40.5/35.9 (1028/912) | 41.3/35.9 (1050/912) | |
| | 44 | Ground clearance | Minimum/at center of wheelbase | in.(mm) | 5.3/6.1 (135/155) | 5.3/6.1 (135/155) | 5.9/6.5 (150/165) | 6.5/6.5 (165/165) | |
| | 46 | Service brake | Type | Drum | Drum | Drum | Drum | | |
| | 47 | Parking brake | Actuation | Foot | Foot | Foot | Foot | | |
| | Steering | Type | Hydrostatic | Hydrostatic | Hydrostatic | Hydrostatic | | | |
| Drive Line | 49 | Engine ^{3,4} | Manufacturer/model | Mitsubishi / 4G64 | Mitsubishi / 4G64 | Mitsubishi / 4G64 | Mitsubishi / 4G64 | | |
| | 51 | | Rated output ⁴ | HP/kW@rpm | 47.5 / 35.4 @ 2250 | 47.5 / 35.4 @ 2250 | 47.5 / 35.4 @ 2250 | 50.0/37.3 @ 2650 | |
| | | | Torque ⁴ | Lb-ft/Nm @rpm | 120 / 163 @ 1400 | 120 / 163 @ 1400 | 120 / 163 @ 1400 | 116 / 158 @ 1400 | |
| | 52 | | Speed, max governed | rpm | 2650 | 2650 | 2650 | 2650 | |
| | 53 | | Cylinders/displacement | cu. in.-liters | 4 / 143 - 2.4 | 4 / 143 - 2.4 | 4 / 143 - 2.4 | 4 / 143 - 2.4 | |
| 54 | Transmission | Manufacturer/type, speeds F/R | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | | | |
| 57 | Hydraulic pressure | For attachments | PSI/Bar | Adjustable | Adjustable | Adjustable | Adjustable | | |
| | | Avg. at operator's ear per ISO | dB(A) | 78 | 78 | 78 | 78 | | |
| 58 | Sound level | | | | | | | | |

Note: Data in Bold shows values different compared to standard LPG.

3 Performance information shown for Diesel.
4 Engines rated per SAE J1349.

SPECIFICATIONS

Notes: 1 Weights and performance information are given on trucks with 189 in. (4800 mm) triple uprights (182 in (4625 mm) on the C35).

| General Information | 1 | Manufacturer | | Clark | Clark | Clark | Clark |
|-------------------------------|--------------------------------------|--|--|--------------------------|--------------------------|---------------------------|---------------------------|
| | 2 | Model | Manufacturer's designation | C20D | C25D | C30D | C35D |
| | 3 | Load capacity | lbs(kg) | 4000 (2000) | 5000 (2500) | 6000 (3000) | 7000 (3300) |
| | 4 | Load center | Fork face to load CG in(mm) | 24 (500) | 24 (500) | 24 (500) | 24 (500) |
| | 5 | Drive unit | Type | Diesel | Diesel | Diesel | Diesel |
| | 6 | Operator type | | Rider counterbalanced | Rider counterbalanced | Rider counterbalanced | Rider counterbalanced |
| | 7 | Tire type | | Pneumatic | Pneumatic | Pneumatic | Pneumatic |
| | 8 | Wheels (x=driven) | Front/rear | 2 x / 2 | 2 x / 2 | 2 x / 2 | 2 x / 2 |
| Basic Dimensions ¹ | 9 | Upright ¹ | Maximum fork height, full capacity in(mm) | 170 (4320) | 170 (4320) | 170 (4320) | 146 (3680) |
| | 10 | | Lift height (preferred triple upright) in(mm) | 189 (4800) | 189 (4800) | 189 (4800) | 182 (4620) |
| | 11 | | Free lift ¹ in(mm) | 59.5 (1511) | 59.5 (1511) | 57.7 (1466) | 39.0 (981) |
| | 12 | Upright tilt | Back/forward (see tilt specifications) degrees | 5B / 6F | 5B / 6F | 5B / 6F | 5B / 6F |
| | 14 | Fork | Std. Fork size (TxWxD) in(mm) | 1.75x4x42 (45x100x1070) | 1.75x4x42 (45x100x1070) | 1.75x4.8x42 (45x122x1070) | 2.0x4.8x42 (50x122x1070) |
| | 15 | Overall dimensions ¹ | Length to fork face ² in(mm) | 98.3 (2496) | 100.7 (2558) | 105.0 (2668) | 109.0 (2770) |
| | 16 | | Width over drive axle in(mm) | 48.2 (1225) | 48.2 (1225) | 48.7 (1237) | 51.8 (1315) |
| | 17 | | Height, upright lowered ¹ in(mm) | 85.2 (2165) | 85.2 (2165) | 85.8 (2180) | 87.0 (2200) |
| | | | Height, upright extended w/ load backrest ¹ in(mm) | 237 (6020) | 237 (6020) | 237 (6020) | 230 (5842) |
| | 18 | | Height, overhead guard in(mm) | 85.2 (2165) | 85.2 (2165) | 85.8 (2180) | 86.4 (2195) |
| | 19 | Turning radius | Outside in(mm) | 88.4 (2245) | 90.6 (2300) | 94.7 (2405) | 97.6 (2480) |
| | 20 | Load center distance ¹ | Center of drive axle to fork face ² in(mm) | 17.9 (455) | 17.9 (455) | 18.8 (477) | 18.7 (475) |
| | 22 | Right angle stack aisle ¹ | Add load length and clearance ² in(mm) | 106.3 (2700) | 108.5 (2755) | 113.5 (2882) | 116.3 (2955) |
| | Performance ^{1,2,3} | 23 | Stability | According to ASME B56.1 | Yes | Yes | Yes |
| 24 | | Speed ³ | Travel speed, max w/load mph(kph) | 12.0 (19.3) | 12.0 (19.3) | 12.7 (20.5) | 13.0 (21) |
| 25 | | | Travel speed, max w/o load mph(kph) | 12.7 (20.4) | 12.7 (20.4) | 13.3 (21.4) | 13.4 (21.5) |
| | | Speed on grade, loaded ³ | 5%, loaded ² mph(kph) | 11.1 (17.8) | 10.8 (17.4) | 11.5 (18.5) | 11.9 |
| | | | 10%, loaded ² mph(kph) | 9.9 (15.9) | 6.8 (11.0) | 5.5 (8.9) | 6.1 |
| | | | 15%, loaded ² mph(kph) | 5.2 (8.4) | 4.5 (7.2) | 3.7 (5.9) | 3.6 |
| 26 | | Lift speed, loaded/empty ³ | Standard upright ¹ fpm(ms) | 110/128 (.56/.65) | 108/128 (.55/.65) | 106/128 (.54/.65) | 94.5/124 (.48/.63) |
| 28 | | | Triple stage upright ¹ fpm(ms) | 106/124 (.54/.63) | 104/124 (.53/.63) | 102/124 (.52/.63) | 90.6/120 (.46/.61) |
| 29 | | Lower speed, loaded/empty | Standard upright fpm(ms) | 89/89 (.45/.45) | 89/89 (.45/.45) | 89/89 (.45/.45) | 89/89 (.45/.45) |
| | | | Triple stage upright fpm(ms) | 85/85 (.43/.43) | 85/85 (.43/.43) | 85/85 (.43/.43) | 85/85 (.43/.43) |
| 30 | Drawbar pull, maximum ^{1,3} | With load ¹ lbs(N) | 5209 / 23,170 | 5348 / 23,790 | 4640 / 20,640 | 4634/20,613 | |
| 32 | Gradeability ^{1,3} | At 1 mph (1.6 kph) with load ² % | 42.3 | 36.1 | 28.5 | 20.5 | |
| | | Maximum with/without load ³ % | 46.2 / 27.1 | 40.4 / 23.8 | 29.1 / 22.9 | 25.8/17.4 | |
| Weights ¹ | 34 | Service weight ¹ | lbs(kg) | 8088 (3669) | 8838 (4009) | 9786 (4439) | 11,014 (4996) |
| | 35 | Axle loading ¹ | With load, front ¹ lbs(kg) | 10885 (4937) | 12,386 (5618) | 14,213 (6447) | 15,759 (7163) |
| | 36 | | With load, rear ¹ lbs(kg) | 1203 (546) | 1452 (659) | 1573 (713) | 2,255 (1025) |
| | 37 | | Without load, front ¹ lbs(kg) | 4258 (1931) | 4101 (1860) | 4271 (1937) | 4,292 (1947) |
| | 38 | | Without load, rear ¹ lbs(kg) | 3830 (1737) | 4737 (2149) | 5515 (2502) | 6,722 (3049) |
| Chassis | 39 | Tires | Number, front/rear | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 |
| | 40 | | Size, front in | 7.00x12 - 14PR | 7.00x12 - 14PR | 8.15x15 - 14PR | 250x15-18PR |
| | | | Size, rear in | 6.00x9 - 10PR | 6.00x9 - 10PR | 6.50x10 - 12PR | 6.50x10 - 12PR |
| | 41 | Wheelbase | in(mm) | 63.8 (1620) | 63.8 (1620) | 66.9 (1700) | 66.9 (1700) |
| | 42 | Track | Front/rear in(mm) | 39.1/35.6 (994/904) | 39.1/35.6 (994//904) | 40.5/35.9 (1028/912) | 41.3/35.9 (1050/912) |
| | 44 | Ground clearance | Minimum/at center of wheelbase in(mm) | 5.3/6.1 (135/155) | 5.3/6.1 (135/155) | 5.9/6.5 (150/165) | 6.5/6.5 (165/165) |
| | 46 | Service brake | Type | Drum | Drum | Drum | Drum |
| | 47 | Parking brake | Actuation | Foot | Foot | Foot | Foot |
| | Steering | Type | Hydrostatic | Hydrostatic | Hydrostatic | Hydrostatic | |
| Drive Line | 49 | Engine ^{3,4} | Manufacturer/model | Yanmar 4TNE94 | Yanmar 4TNE94 | Yanmar 4TNE94 | Yanmar 4TNE94 |
| | 51 | | Rated output ⁴ HP/kW@rpm | 59 / 42.9 @ 2500 | 59 / 42.9 @ 2500 | 59 / 42.9 @ 2500 | 59 / 42.9 @ 2500 |
| | | | Torque ⁴ Lb-ft/Nm@rpm | 130 / 176 @ 1600 | 130 / 176 @ 1600 | 130 / 176 @ 1600 | 130 / 176 @ 1600 |
| | 52 | | Speed, max governed rpm | 2650 | 2650 | 2650 | 2650 |
| | 53 | | Cylinders/displacement cu. in.-liters | 4 / 171 - 2.8 | 4 / 171 - 2.8 | 4 / 171 - 2.8 | 4 / 171 - 2.8 |
| 54 | Transmission | Manufacturer/type, speeds FIR | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | Clark/Powershift, 1/1 | |
| 57 | Hydraulic pressure | For attachments PSI/Bar | Adjustable | Adjustable | Adjustable | Adjustable | |
| 58 | Sound level | Avg. at operator's ear per ISO dB(A) | 79 | 79 | 79 | 79 | |

Note: Data in Bold shows values different compared to standard LPG.

CLARK GEN2 SERIES pneumatic tire trucks are suited to diverse applications in manufacturing, warehousing and distribution. Offered with an LPG, LPG High Performance, Gasoline or Diesel fuel system, these trucks provide very high levels of operator comfort, reliability, ease of service and low noise.

Operator Control & Comfort

Gen2 Series trucks feature a rubber isolated operator cell that provides a quiet, comfortable and spacious environment for operators of all sizes. The large floor area is free of obstructions covered with a long wearing rubber mat, and easily removable without tools. Large open steps and grab handles assist entry and exit from both sides. Two-pedal inch-brake system has low height, short travel pedals. Left pedal is for inching and brake operation; right pedal is for brake only. Left foot actuated parking brake.

Hydraulic control levers are cowl-mounted. Left hand fingertip operated directional control is electrically actuated; direction reversals are hydraulically cushioned. Safety seat with retractable seat belt and lateral restraints are proven effective. Six inches (150 mm) of front to back seat adjustment and separate seat and back cushions have molded bolsters that add comfort. Visual and audio seat belt prompt on start-up. Tilt steering column locks in one of six positions; 38° total travel. Small, thick section wheel is easily operated with one hand. Clamshell hood gives easy access for daily inspections.

Instrument Panel

The Clark Information Center (CIC) features a full LED/digital display with visual and audible engine monitoring warnings. Functions being monitored include water temperature, engine oil pressure, transmission oil temperature, ammeter, and low LPG fuel. An automatic engine shutdown system continuously monitors engine oil pressure, engine coolant temperature and transmission oil temperature. An hour meter and neutral start feature are also featured. The CIC includes prompts for the seat belt, parking brake, ignition key, headlights and service engine light.

Engine

Mitsubishi model 4G64, 2.4-liter (143 CI) 4-cylinder overhead cam engine with internal dynamic balancers and an LPG or gasoline fuel system. Camshaft and balancers are cog belt driven. Cast iron deep skirt block with aluminum cylinder head, 5-main bearing crankshaft.

Hydraulic valve lifters and electronic ignition reduce maintenance requirements. IMPCO LPG fuel systems are used with brackets for 33.5 lb. (15.2 kg) or 43.5 lb. (19.7 kg) tanks.

Yanmar model 4TNE94 2.8-Liter (171 C.I.) 4-cylinder Diesel engine. Vertical exhaust and a high volume hydraulic pump is standard on Diesel.

Engine Accessories/Capacities

Trucks are 12-volt negative ground and incorporate heavy-duty starters with anti-restart system. Batteries are rated at 550 CCA on LPG, 700 CCA on Diesel at 0° F (-18° C). All utilize high capacity air cleaners with raised air intake, automatic dirt ejectors and monitor indication for service. Supplemental optional safety element and pre-cleaners can be added without other changes. Central electric panel with blade fuses and relays are easily accessible. Environmentally sealed connectors; fusible links located outside of harness for ease of access. Filters are easily serviced and located to prevent spillage. Crankcase capacity is 4.0 qts. (3.8 L).

Transaxle

Clark model TA 30 single speed, full reversing, powershift transaxle with high stall ratio industrial torque converter, full-floating drive axles, and drum/shoe brake assemblies with dirt shields. Solenoid actuated, hydraulically modulated directional control and mechanically actuated, hydraulic inching. Helical drive gears operate smoothly and reduce noise. Auxiliary gear drive for efficient, bolt on hydraulic pump operation. Control elements and test ports readily accessible for service. Heavy-duty oil-to-air transmission cooler provides

independent transmission cooling. Full-flow transmission spin-on oil filter and sump screen are easily serviced.

Brakes

Self-energizing, hydraulically-actuated drum and shoe type service brakes. Shrouds prevent dirt entry into the brake area. Inching and brake operation with left pedal, braking only with right pedal. Heavy cast iron brake shoes, backing plates and drums with openings for inspection and adjustment; all components asbestos-free. Brakes are quickly accessed by removing wheel and brake drum; no axle removal is required. Left foot parking brake pedal actuates service brakes at both drive wheels.

Hydraulics

Single gear driven pump provides fluid for hydraulic functions and steering. Priority-demand steering system conserves energy by supplying hydraulic fluid on demand-only basis. Hydraulic tank is integral with truck frame, in-tank return line filter is quickly changed without spill. A quick-connect pressure port on the pump enables convenient pressure checks. All pressure fittings utilize O-ring type face seals to reduce possibility of leakage. Sump tank capacity is 8.0 gal. (30.2 L).

Steering

Full hydrostatic steering. A compact axle beam with an integral double acting steer cylinder. Spindle assemblies incorporate king pins and tapered roller bearings to provide a rugged, easily serviced assembly. Rubber isolation mounts that support the axle absorb shock and reduce noise. Metal shields protect bearing seals from wire or in-plant debris. Grease fittings extend linkage and king pin/bearing service life.

Upright

High visibility standard, Hi-Lo, triple stage and Quad uprights of heavy C-channel outer rails and full I-section inner and intermediate rails. A wide range of lift heights are available. All-roller operation of upright rails; upright rail and carriage rollers are canted to accept both normal and side thrust loads. The fork carriage employs six main rollers and additional side thrust rollers. Carriages are ITA Class II and III specifications. Load backrest is designed for optimum visibility. Hydraulic cushioning between stages aids in quiet operation. Self-lubricating trunion bushings and simplified roller access improve serviceability. Hydraulic tilt lock valve prevents improper tilt cylinder operation; integral flow limiting valves prevent rapid carriage descent in the event of a line failure; and lowering control allows faster lowering speeds when empty or with light loads.

Additional Features

A single auxiliary valve and two headlights mounted on the overhead guard are standard equipment. High Performance Package is standard on the C35. The auxiliary hydraulic flow can be easily adjusted at the main valve to match the requirements of different attachments. With a one-piece hood and quickly removable floorplate, all routine maintenance checkpoints are readily accessible. The operator cell is designed for operator comfort and productivity. Color is high visibility Clark Green with non-glare matte black trim and white wheels. Tow pin in the counterweight and rear tie-downs are standard. The Operator Manual is permanently attached inside the rear pocket of the comfortable safety seat.

Available Equipment

Auxiliary valves, hose adaptations, sideshifters, hydraulic control options, High Performance Package (standard on C35L & C20/35D), Unitrol foot directional control, reduced height overhead guard, operator cab with heater, combination stop/tail/backup lights, rear work light, turn signal lights, strobe lights, backup alarm, mirrors, convenience console, suspension seat, vinyl and cloth, U.L. Type LPS construction, seat actuated engine shutdown, vertical exhaust (standard on Diesel), 3-way catalytic exhaust purifier, 3-way catalytic exhaust purifier with closed loop, CARB certified, pre-cleaner – overhead guard mounted, air cleaner safety element, belly pan, radiator screen, Bottler's tilt and various tire options.

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