KION North America

# LPG COUNTERBALANCED TRUCKS

## CAPACITY: 5,000 – 6,500 lbs.

## HT25CT - HT32CT

SERIES 1319

### Safety

This line of trucks is designed for the demanding conditions of the Class 4 market. The low-mounted propane tank and dashboard, combined with a clearview mast (peripheral view) increase all-around visibility. This, together with low noise level and simple operation allow operators to stay alert and maintain unparalleled awareness of their surroundings.

### Performance

With its impressive performance, the truck still maintains low fuel consumption and low exhaust emissions. Advanced engine technology combined with the durable drive line, enable the operator to use the truck´s capability to maximize productivity. The ergonomic layout of all hydraulic functions allow for a high level of precision control and working performance.

### Comfort

Climb on board relaxed, finish the shift relaxed. This truck is designed to the most advanced ergonomic standards. A spacious cab interior with accessibility from both sides of the truck, cowl-mounted hydraulic controls, suspension seat, and functional positioning of easy-actuation controls make for a low-stress working environment.

### Reliability/Durability

This machine withstands the most brutal conditions in severe applications thanks to our time-tested engineering, design and manufacturing expertise. Its massive components are designed to operate in adverse conditions and can handle intense utilization with minimum care.

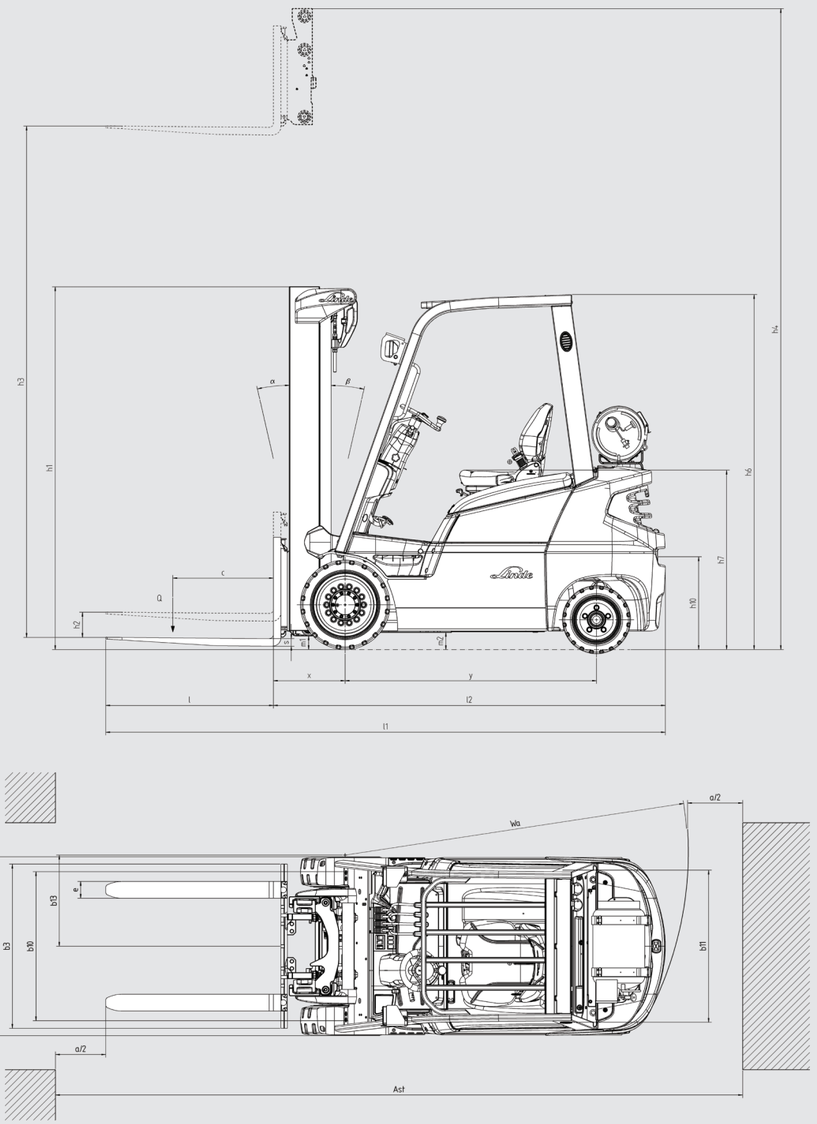
### Productivity

The use of high-quality parts and assemblies allow extended maintenance intervals. At 500 hours, this is among the best in the industry. Confidence in the quality of the machine also allows us to offer an unmatched, standard 2-year or 4000-hour warranty.

# TECHNICAL DATA

June 2017 / Series 1319

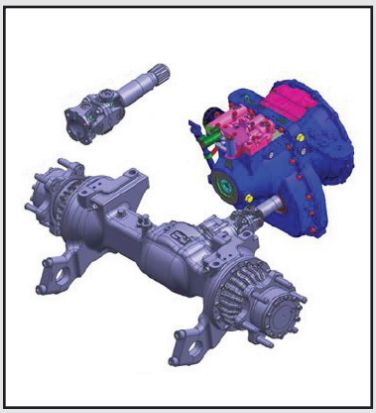
| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Characteristics | 1.1 | Manufacturer | | LINDE | | LINDE | | LINDE | | LINDE | | |
| | 1.2 | Model designation | | **HT25 CT** | | **HT27 CT** | | **HT30 CT** | | **HT32 CT** | | |
| | 1.3 | Power unit | | LPG | | LPG | | LPG | | LPG | | |
| | 1.4 | Operation | | Seated | | Seated | | Seated | | Seated | | |
| | 1.5 | Load capacity | Q | 5000 lbs | 2273 kg | 5500 lbs | 2500 kg | 6000 lbs | 2727 kg | 6500 lbs | 2955 kg | |
| | 1.6 | Load center | c | 24 in | 600 mm | 24 in | 600 mm | 24 in | 600 mm | 24 in | 600 mm | |
| | 1.8 | Axle center to fork face | x | 16.6 in | 423 mm | 16.6 in | 423 mm | 16.9 in | 428 mm | 16.9 in | 428 mm | |
| | 1.9 | Wheelbase | y | 59.1 in | 1500 mm | 59.1 in | 1500 mm | 59.1 in | 1500 mm | 59.1 in | 1500 mm | |
| Weights | 2.1 | Service weight | | 9215 lbs | 4180 kg | 9523 lbs | 4320 kg | 10097 lbs | 4580 kg | 10207 lbs | 4630 kg | |
| | 2.2.1 | Axle load with load, front | | 12323 lbs | 5590 kg | 13040 lbs | 5915 kg | 14014 lbs | 6357 kg | 14594 lbs | 6620 kg | |
| | 2.2.2 | Axle load with load, rear | | 1902 lbs | 863 kg | 1984 lbs | 900 kg | 2094 lbs | 950 kg | 2127 lbs | 965 kg | |
| | 2.3.1 | Axle load without load, front | | 3747 lbs | 1700 kg | 3703 lbs | 1680 kg | 3703 lbs | 1680 kg | 3637 lbs | 1650 kg | |
| | 2.3.2 | Axle load without load, rear | | 5467 lbs | 2480 kg | 5820 lbs | 2640 kg | 6393 lbs | 2900 kg | 6569 lbs | 2980 kg | |
| Wheels/Tires | 3.1 | Tire: SE=(superelastic), P=(pneumatic), C=(cushion) | | C | | C | | C | | C | | |
| | 3.2 | Tire size, front | | 21x7x15 | | 21x8x15 | | 21x8x15 | | 21x8x15 | | |
| | 3.3 | Tire size, rear | | 16x6x10.5 | | 16x6x10.5 | | 16x6x10.5 | | 16x6x10.5 | | |
| | 3.5 | Wheels, number front/rear (x=drive) | | 2x/2 | | 2x/2 | | 2x/2 | | 2x/2 | | |
| | 3.6 | Track width, front | b10 | 34.7 in | 882 mm | 35.7 in | 908 mm | 35.7 in | 908 mm | 35.7 in | 908 mm | |
| | 3.7 | Track width, rear | b11 | 35.8 in | 910 mm | 35.8 in | 910 mm | 35.8 in | 910 mm | 35.8 in | 910 mm | |
| Dimensions | 4.1 | Mast tilt, forward/backward | | 6°/8° | | 6°/8° | | 6°/8° | | 6°/8° | | |
| | 4.2 | Height of mast, lowered | h1 | see chart & price pages | | see chart & price pages | | see chart & price pages | | see chart & price pages | | |
| | 4.3 | Free lift | h5 | see chart & price pages | | see chart & price pages | | see chart & price pages | | see chart & price pages | | |
| | 4.4 | Lift | h3 | see chart & price pages | | see chart & price pages | | see chart & price pages | | see chart & price pages | | |
| | 4.5 | Height of mast, extended | h4 | see chart & price pages | | see chart & price pages | | see chart & price pages | | see chart & price pages | | |
| | 4.7 | Height of overhead guard (cabin) | h6 | 83.9 in | 2130 mm | 83.9 in | 2130 mm | 83.9 in | 2130 mm | 83.9 in | 2130 mm | |
| | 4.8 | Height of operator seat | h7 | 41.2 in | 1046 mm | 41.2 in | 1046 mm | 41.2 in | 1046 mm | 41.2 in | 1046 mm | |
| | 4.12 | Tow coupling height | h10 | 22.1 in | 560 mm | 22.1 in | 560 mm | 22.1 in | 560 mm | 22.1 in | 560 mm | |
| | 4.19 | Overall length | l1 | 133.9 in | 3401 mm | 135.3 in | 3437 mm | 137.1 in | 3483 mm | 138.1 in | 3506 mm | |
| | 4.20 | Length to fork face | l2 | 91.9 in | 2334 mm | 93.3 in | 2370 mm | 95.1 in | 2416 mm | 96.0 in | 2439 mm | |
| | 4.21 | Overall width | b1/b2 | 41.8 in | 1061 mm | 43.7 in | 1110 mm | 43.7 in | 1110 mm | 43.7 in | 1110 mm | |
| | 4.22 | Fork dimensions | SxExL | 1.5 x 4 x 48 in | | 1.5 x 4 x 48 in | | 1.75 x 5 x 48 in | | 1.75 x 5 x 48 in | | |
| | 4.24 | Width of fork carriage | b3 | 38.6 in | 980 mm | 38.6 in | 980 mm | 38.6 in | 980 mm | 38.6 in | 980 mm | |
| | 4.31 | Ground clearance with load, mast | m1 | 3.86 in | 98 mm | 3.86 in | 98 mm | 3.86 in | 98 mm | 3.86 in | 98 mm | |
| | 4.32 | Ground clearance with load, center of wheelbase | m2 | 4.4 in | 110 mm | 4.4 in | 110 mm | 4.4 in | 110 mm | 4.4 in | 110 mm | |
| | 4.33 | Aisle width, 48" (1220mm) load & 8" (200mm) clearance | Ast | 154.3 in | 3920 mm | 156.7 in | 3980 mm | 157.1 in | 3990 mm | 159.5 in | 4050 mm | |
| | 4.34 | Aisle width, add load & operational clearance | Ast | 98.4 in | 2500 mm | 100.6 in | 2555 mm | 101.0 in | 2565 mm | 103.5 in | 2630 mm | |
| | 4.35 | Turning radius | Wa | 81.7 in | 2076 mm | 83.9 in | 2130 mm | 84.1 in | 2136 mm | 86.6 in | 2200 mm | |
| | 4.36 | Inside Turning Radius | b13 | 21.9 in | 556 mm | 21.9 in | 556 mm | 21.9 in | 556 mm | 21.9 in | 556 mm | |
| Performance | 5.1.1 | Travel speed, with load | | 11.25 mph | 18 kmh | 11.25 mph | 18 kmh | 11.25 mph | 18 kmh | 11.25 mph | 18 kmh | |
| | 5.1.2 | Travel speed, without load | | 11.25 mph | 18 kmh | 11.25 mph | 18 kmh | 11.25 mph | 18 kmh | 11.25 mph | 18 kmh | |
| | 5.2.1 | Lifting speed, with load | | 114 fpm | 0.58 m/s | 114 fpm | 0.58 m/s | 110 fpm | 0.56 m/s | 110 fpm | 0.56 m/s | |
| | 5.2.2 | Lifting speed, without load | | 118 fpm | 0.6 m/s | 118 fpm | 0.6 m/s | 118 fm | 0.6 m/s | 118 fpm | 0.6 m/s | |
| | 5.3.1 | Lowering speed, with load | | 90 fpm | 0.46 m/s | 94 fpm | 0.48 m/s | 94 fpm | 0.48 m/s | 94 fpm | 0.48 m/s | |
| | 5.3.2 | Lowering speed, without load | | 67 fpm | 0.34 m/s | 67 fpm | 0.34 m/s | 78 fpm | 0.4 m/s | 78 fpm | 0.4 m/s | |
| | 5.5.1 | Tractive force, with load | | 3596 lbf | 16000 N | 3507 lbf | 15600 N | 3304 lbf | 14700 N | 3686 lbf | 16400 N | |
| | 5.5.2 | Tractive force, without load | | 2180 lbf | 9700 N | 2877 lbf | 12800 N | 2472 lbf | 11000 N | 2472 lbf | 11000 N | |
| | 5.7.1 | Climbing ability, with load | | 26.2 % | | 24 % | | 21 % | | 22.6 % | | |
| | 5.7.2 | Climbing ability, without load | | 24.4 % | | 31.6 % | | 25.3 % | | 25 % | | |
| | 5.9.1 | Acceleration time, with load | | 4.8 s | | 4.8 s | | 5.6 s | | 5.7 s | | |
| | 5.9.2 | Acceleration time, without load | | 4.3 s | | 4.5 s | | 4.8 s | | 4.9 s | | |
| | 5.10 | Service brake | | Mechanical/hydraulic | | Mechanical/hydraulic | | Mechanical/hydraulic | | Mechanical/hydraulic | | |
| Drive | 7.1 | Engine manufacturer/type | | IMPCO/2.5L iVCT | | IMPCO/2.5L iVCT | | IMPCO/2.5L iVCT | | IMPCO/2.5L iVCT | | |
| | 7.2 | Engine rated power according to ISO 1585 | | 47 kw | | 47 kw | | 47 kw | | 47 kw | | |
| | 7.3 | Rated speed | | 800/3000 rpm | | 800/3000 rpm | | 800/3000 rpm | | 800/3000 rpm | | |
| | 7.4 | Number of cylinders/displacement | | 4/152.6 cu3 | 4/2500 cc | 4/152.6 cu3 | 4/2500 cc | 4/152.6 cu3 | 4/2500 cc | 4/152.6 cu3 | 4/2500 cc | |
| Other | 8.1 | Type of drive control | | Torque Converter | | Torque Converter | | Torque Converter | | Torque Converter | | |
| | 8.2 | Working pressure for attachments | | 2600 psi | 180 bar | 2600 psi | 180 bar | 2600 psi | 180 bar | 2600 psi | 180 bar | |
| | 8.3 | Hydraulic oil flow | | 18 gpm | 70 l/min | 18 gpm | 70 l/min | 18 gpm | 70 l/min | 18 gpm | 70 l/min | |
| | 8.4 | Noise level | | 80 dB (A) | | 80 dB (A) | | 80 dB (A) | | 80 dB (A) | | |



# FEATURES

Linde Torque Converter Truck
> Robust
> Responsive
> Low maintenance

Rugged Drive Line
> Massive differential
> High-torque transmission
> Wet disc brakes



Linde Clearview Mast
> Best peripheral view
> Least obstructive hose routing
> Bulkhead hose connection

Engine
> 500-hour maintenance interval
> Fuel injected
> 2.5 liter, high-torque engine

Truck Control
> Two pedal system, inching & brake
> Foot operated parking brake
> Exceptionally responsive steering

Linde Hydraulic System
> Cowl-mounted hydraulic handles
> Short linkage, precise control
> High oil volume

Linde Operator Compartment
> Generous leg room
> On/Off both sides
> Best all-around view

For more information on Linde material handling equipment, please contact:

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ANSI: Standard truck meets all applicable mandatory requirements of ANSI/ITSDF B56.1 standards for powered industrial trucks.
NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. Metric dimensions are in millimeters unless otherwise specified. All metric dimensions are not direct equivalents due to rounding data. The descriptions and specifications included on this data sheet were in effect at the time of printing. Linde Material Handling North America Corporation reserves the right to make improvements and changes in specification or design without notice and without incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.

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