

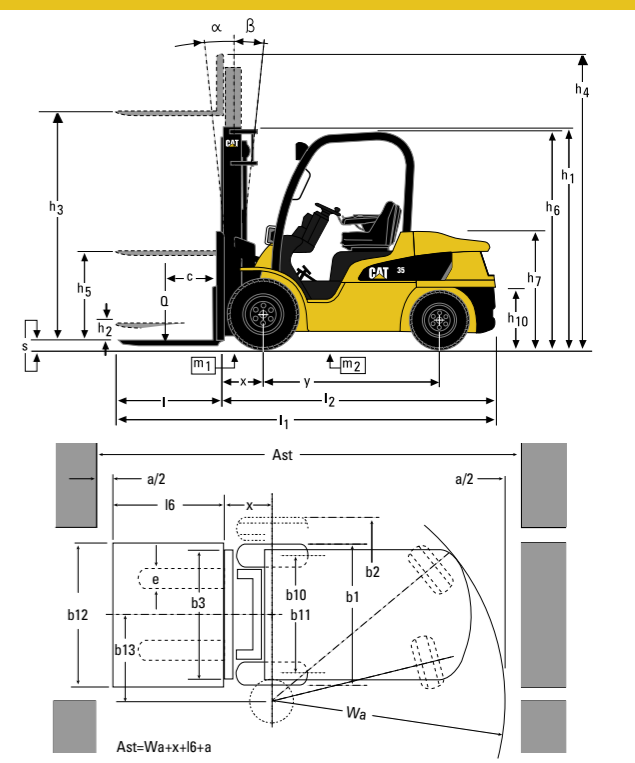


DP/GP20N - DP/GP25N - DP/GP30N DP/GP35N

Specifications

Engine powered lift trucks
2.0 - 3.5 tonnes

| Characteristics | | | Cat Lift Trucks | Cat Lift Trucks | Cat Lift Trucks | Cat Lift Trucks | | Cat Lift Trucks | Cat Lift Trucks | Cat Lift Trucks | Cat Lift Trucks |
|----------------------------|-----------------------------------------------------------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|--|-----------------|-----------------|-----------------|-----------------|
| 1.01 | Manufacturer (abbreviation) | | DP20N | DP25N | DP30N | DP35N | | GP20N | GP25N | GP30N | GP35N |
| 1.02 | Manufacturer's model designation | | Diesel | Diesel | Diesel | Diesel | | LP gas | LP gas | LP gas | LP gas |
| 1.03 | Power source: (battery, diesel, LP gas, petrol) | | Seated | Seated | Seated | Seated | | Seated | Seated | Seated | Seated |
| 1.04 | Operator type: pedestrian, (operator)-standing, -seated | | 2.000 | 2.500 | 3.000 | 3.500 | | 2.000 | 2.500 | 3.000 | 3.500 |
| 1.05 | Load capacity | Q (kg) | 500 | 500 | 500 | 500 | | 500 | 500 | 500 | 500 |
| 1.06 | At load centre | c (mm) | 455 | 455 | 490 | 490 | | 455 | 455 | 490 | 490 |
| 1.08 | Load distance | x (mm) | 1600 | 1600 | 1700 | 1700 | | 1600 | 1600 | 1700 | 1700 |
| 1.09 | Wheelbase | y (mm) | | | | | | | | | |
| Weight | | | | | | | | | | | |
| 2.01 | Truck weight, without load / including battery (simplex mast, lowest lift height) | kg | 3420 | 3710 | 4360 | 4770 | | 3310 | 3610 | 4250 | 4660 |
| 2.02 | Axle loading with maximum load, front/rear (simplex mast, lowest lift height) | kg | 4690 / 730 | 5480 / 730 | 6530 / 830 | 7270 / 1000 | | 4650 / 660 | 5440 / 670 | 6490 / 760 | 7220 / 940 |
| 2.03 | Axle loading without load, front/rear (simplex mast, lowest lift height) | kg | 1500 / 1920 | 1480 / 2230 | 1780 / 2580 | 1720 / 3050 | | 1460 / 1850 | 1440 / 2170 | 1730 / 2520 | 1680 / 2980 |
| Wheels, Drive Train | | | | | | | | | | | |
| 3.01 | Tyre type: V=solid, L=pneumatic, SE=solid pneumatic - front/rear | | SE / SE (L / L) | SE / SE (L / L) | SE / SE (L / L) | SE / SE (L / L) | | SE / SE (L / L) | SE / SE (L / L) | SE / SE (L / L) | SE / SE (L / L) |
| 3.02 | Tyre dimensions, front | | 7.00-12 | 7.00-12 | 28x9-15 | 250-15 | | 7.00-12 | 7.00-12 | 28x9-15 | 250-15 |
| 3.03 | Tyre dimensions, rear | | 6.00-9 | 6.00-9 | 6.50-10 | 6.50-10 | | 6.00-9 | 6.00-9 | 6.50-10 | 6.50-10 |
| 3.05 | Number of wheels, front/rear (x=driven) | | 2x / 2 | 2x / 2 | 2x / 2 | 2x / 2 | | 2x / 2 | 2x / 2 | 2x / 2 | 2x / 2 |
| 3.06 | Track width (centre of tyres), front | b10 (mm) | 960 | 960 | 1060 | 1060 | | 960 | 960 | 1060 | 1060 |
| 3.07 | Track width (centre of tyres), rear | b11 (mm) | 980 | 980 | 980 | 980 | | 980 | 980 | 980 | 980 |
| Dimensions | | | | | | | | | | | |
| 4.01 | Mast tilt, forwards/backwards | α/β ° | 6 / 10 | 6 / 10 | 6 / 10 | 6 / 10 | | 6 / 10 | 6 / 10 | 6 / 10 | 6 / 10 |
| 4.02 | Height with mast lowered (see tables) | h1 (mm) | 2145 | 2145 | 2165 | 2300 | | 2145 | 2145 | 2165 | 2300 |
| 4.03 | Free lift (see tables) | h2 (mm) | 100 | 100 | 100 | 100 | | 100 | 100 | 100 | 100 |
| 4.04 | Lift height (see tables) | h3 (mm) | 3300 | 3300 | 3270 | 3300 | | 3300 | 3300 | 3270 | 3300 |
| 4.05 | Overall height with mast raised | h4 (mm) | 4360 | 4360 | 4330 | 4360 | | 4360 | 4360 | 4330 | 4360 |
| 4.07 | Height to top of overhead guard | h6 (mm) | 2145 | 2145 | 2165 | 2175 | | 2145 | 2145 | 2165 | 2175 |
| 4.08 | Seat height | h7 (mm) | 1114 | 1114 | 1114 | 1114 | | 1114 | 1114 | 1114 | 1114 |
| 4.12 | Tow coupling height | h10 (mm) | 310 | 310 | 330 | 340 | | 310 | 310 | 330 | 340 |
| 4.19 | Overall length | l1 (mm) | 3558 | 3625 | 3795 | 3860 | | 3558 | 3625 | 3795 | 3860 |
| 4.20 | Length to fork face (includes fork thickness) | l2 (mm) | 2488 | 2555 | 2725 | 2790 | | 2488 | 2555 | 2725 | 2790 |
| 4.21 | Overall width | b1/b2 (mm) | 1150 / 1640 | 1150 / 1640 | 1275 / 1690 | 1290 / 1690 | | 1150 / 1640 | 1150 / 1640 | 1275 / 1690 | 1290 / 1690 |
| 4.22 | Fork dimensions (thickness, width, length) | s / e / l (mm) | 40 x 100 x 1070 | 40 x 100 x 1070 | 45 x 125 x 1070 | 45 x 125 x 1070 | | 40 x 100 x 1070 | 40 x 100 x 1070 | 45 x 125 x 1070 | 45 x 125 x 1070 |
| 4.23 | Fork carriage to DIN 15 173 A/B/no | | 2A | 2A | 3A | 3A | | 2A | 2A | 3A | 3A |
| 4.24 | Fork carriage width | b3 (mm) | 1000 | 1000 | 1000 | 1000 | | 1000 | 1000 | 1000 | 1000 |
| 4.31 | Ground clearance under mast, with load | m1 (mm) | 115 | 115 | 135 | 150 | | 115 | 115 | 135 | 150 |
| 4.32 | Ground clearance at centre of wheelbase, with load (forks lowered) | m2 (mm) | 135 | 135 | 165 | 170 | | 135 | 135 | 165 | 170 |
| 4.33 | Working aisle width with 1000 x 1200 mm pallets, crosswise | Ast (mm) | 3855 | 3885 | 4070 | 4130 | | 3855 | 3885 | 4070 | 4130 |
| 4.34 | Working aisle width with 800 x 1200 mm pallets, crosswise | Ast (mm) | 3655 | 3685 | 3870 | 3930 | | 3655 | 3685 | 3870 | 3930 |
| 4.35 | Turning circle radius | Wa (mm) | 2196 | 2233 | 2380 | 2440 | | 2196 | 2233 | 2380 | 2440 |
| 4.36 | Minimum distance between centres of rotation | b13 (mm) | | | | | | | | | |
| Performance | | | | | | | | | | | |
| 5.01 | Travel speed, with/without load | km/h | 19 / 19.5 | 19 / 19.5 | 19 / 19.5 | 19 / 19.5 | | 19 / 19.5 | 19 / 19.5 | 19 / 19.5 | 19 / 19.5 |
| 5.02 | Lifting speed, with/without load | m/s | 0.64 / 0.67 | 0.64 / 0.67 | 0.51 / 0.54 | 0.43 / 0.46 | | 0.59 / 0.61 | 0.59 / 0.61 | 0.52 / 0.53 | 0.43 / 0.44 |
| 5.03 | Lowering speed, with/without load | m/s | 0.50 / 0.50 | 0.50 / 0.50 | 0.53 / 0.50 | 0.42 / 0.40 | | 0.50 / 0.50 | 0.50 / 0.50 | 0.53 / 0.50 | 0.42 / 0.40 |
| 5.05 | Rated drawbar pull, with/without load | N | 17200 / 16700 | 17000 / 16600 | 16600 / 16600 | 15800 / 15800 | | 15200 / 14900 | 15000 / 14800 | 17700 / 17700 | 16900 / 16900 |
| 5.07 | Gradeability, with/without load | % | 34 / - | 29 / - | 24 / - | 20 / - | | 30 / - | 26 / - | 26 / - | 22 / - |
| 5.09 | Acceleration time (10 metres) with/without load | s | | | | | | | | | |
| 5.10 | Service brakes (mechanical/hydraulic/electric/pneumatic) | | Hydraulic | Hydraulic | Hydraulic | Hydraulic | | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| IC Engine motors | | | | | | | | | | | |
| 7.01 | Manufacturer / Type | | S4S-DPB 38kW | S4S-DPB 38kW | S4S-DPB 38kW | S4S-DPB 38kW | | K21 LE | K21 LE | K25 LE | K25 LE |
| 7.02 | Rated output B to ISO 1585 | kW | 38.0 | 38.0 | 38.0 | 38.0 | | 42 | 42 | 47 | 47 |
| 7.03 | Rated speed to DIN 70 020 | rpm | 2300 | 2300 | 2300 | 2300 | | 2700 | 2700 | 2700 | 2700 |
| 7.04 | Number of cylinders / cubic capacity | cm3 | 4 / 3331 | 4 / 3331 | 4 / 3331 | 4 / 3331 | | 4 / 2065 | 4 / 2065 | 4 / 2488 | 4 / 2488 |
| 7.05 | Fuel consumption according to VDI cycle | l/h / kg/h | - | - | - | - | | - | - | - | - |
| Miscellaneous | | | | | | | | | | | |
| 8.01 | Type of drive control | | Powershift / 1 | Powershift / 1 | Powershift / 1 | Powershift / 1 | | Powershift / 1 | Powershift / 1 | Powershift / 1 | Powershift / 1 |
| 8.02 | Maximum operating pressure for attachments | bar | 180 | 180 | 180 | 180 | | 180 | 180 | 180 | 180 |
| 8.03 | Oil flow for attachments | l/min | 75 | 75 | 73 | 73 | | 68 | 68 | 73 | 73 |
| 8.04 | Noise level, mean value at operator's ear | dB(A) | - | - | - | - | | 79 | 79 | 79 | 79 |
| 8.05 | Towing coupling design / DIN type, ref. | | | | | | | | | | |



$Ast = Wa + x + l6 + a$ $l6 =$ Pallet length (800 or 1000 mm)
 $Ast =$ Working aisle width with load $b12 =$ Pallet width (1200 mm)
 $a =$ Safety clearance (200 mm)

Lower Cost of Ownership

- Design improvements have extended the service interval to 500* hours, thus reducing the total cost of ownership.
- Vehicle Control Unit controls various safety functions and allows easy troubleshooting of all electronic components.

Unmatched Productivity

- New state-of-the-art LPG engine with engine management system and regulated catalytic converter for improved performance, lower noise levels and emission and more efficient fuel consumption.
- Special power train layout to lower the centre of gravity, increasing truck stability and residual lifting capacities.
- Reliable high performance diesel engine, with low exhaust emission and low fuel consumption.

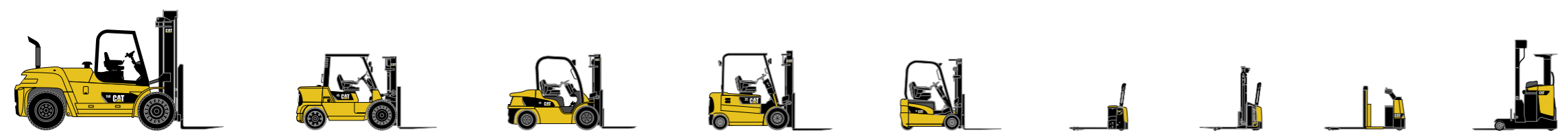
Safety and Ergonomics

- Safety seat switch prevents truck operation when the operator is not seated.
- Low noise levels which increase operator comfort.
- Advanced fingertip hydraulic controls mounted on an adjustable armrest for optimum load handling precision.
- Optional manual controls.
- Automotive style pedal layout.
- Adjustable steering column with memory position for comfortable operation.
- Low step in chassis for easy on / off access.

Options

- Factory fitted panel cabin and full floating tilttable cabin.
- Elevated exhaust.
- Additional working lights and revolving lamps.
- Dual front wheels.
- Tilt horizontal controls.
- Integral side shifter.

*conditions apply



Cat® Lift Trucks.

Your partner in materials handling.

| Mast Type | DP/GP20N - DP/GP25N | | | DP/GP20N | | DP/GP25N | | DP/GP30N | | | | |
|-----------|---------------------|----------|----------|-------------|----------------------|-------------|----------------------|----------|----------|----------|-------------|----------------------|
| | h3 mm | h1 mm | h4 mm | h2/h5 mm | Q @ c=500mm kg | h2/h5 mm | Q @ c=500mm kg | h3 mm | h1 mm | h4 mm | h2/h5 mm | Q @ c=500mm kg |
| Simplex | 3000 | 1995 | 4050 | 100 | 2000 | 100 | 2500 | 3030 | 2050 | 4090 | 100 | 3000 |
| | 3300 | 2145 | 4340 | 100 | 2000 | 100 | 2500 | 3270 | 2170 | 4330 | 100 | 3000 |
| | 3740 | 2410 | 4770 | 100 | 2000 | 100 | 2500 | 3700 | 2430 | 4760 | 100 | 3000 |
| | 4100 | 2590 | 5140 | 100 | 2000 | 100 | 2500 | 4000 | 2610 | 5060 | 100 | 3000 |
| | 4500 | 2800 | 5530 | 100 | 2000 | 100 | 2500 | 4500 | 2870 | 5560 | 100 | 3000 |
| | 5000 | 3050 | 6050 | 100 | 1950 | 100 | 2400 | 5000 | 3120 | 6060 | 100 | 2900 |
| | 5500 | 3300 | 6550 | 100 | 1850* | 100 | 2250* | 5500 | 3370 | 6560 | 100 | 2800 |
| 6000 | 3550 | 7050 | 100 | 1800* | 100 | 2150* | 6000 | 3640 | 7060 | 100 | 2700 | |
| Duplex | 3000 | 1995 | 4050 | 980 | 2000 | 980 | 2500 | 3000 | 2050 | 4060 | 1030 | 3000 |
| | 3300 | 2145 | 4340 | 1130 | 2000 | 1130 | 2500 | 3250 | 2170 | 4310 | 1150 | 3000 |
| | 3700 | 2410 | 4750 | 1390 | 2000 | 1390 | 2500 | 3700 | 2430 | 4760 | 1420 | 3000 |
| | 4020 | 2590 | 5080 | 1570 | 2000 | 1570 | 2500 | 4010 | 2610 | 5070 | 1600 | 3000 |
| Triplex | 3730 | 1800 | 4760 | 780 | 2000 | 780 | 2500 | 3690 | 1830 | 4750 | 810 | 3000 |
| | 4030 | 1900 | 5060 | 880 | 2000 | 880 | 2500 | 3990 | 1930 | 5050 | 910 | 3000 |
| | 4300 | 2000 | 5360 | 980 | 1950 | 980 | 2500 | 4320 | 2050 | 5380 | 1030 | 3000 |
| | 4750 | 2140 | 5800 | 1130 | 1900 | 1130 | 2400 | 4700 | 2170 | 5760 | 1150 | 3000 |
| | 5060 | 2260 | 6140 | 1250 | 1850 | 1250 | 2350 | 5060 | 2290 | 6120 | 1270 | 2900 |
| | 5500 | 2400 | 6540 | 1390 | 1800 | 1390 | 2200* | 5450 | 2430 | 6510 | 1420 | 2800 |
| | 5990 | 2590 | 7040 | 1570 | 1750* | 1570 | 2100* | 5970 | 2610 | 7030 | 1600 | 2700 |
| | 6490 | 2850 | 7540 | 1830 | 1650* | 1830 | 1750* | 6470 | 2870 | 7530 | 1860 | 2350 |
| 7000 | 3050 | 8050 | 2040 | 1250* | 2040 | 1250* | 7000 | 3070 | 8060 | 2060 | 1600 | |

| Mast Type | DP/GP35N | | | | |
|-----------|----------|----------|----------|-------------|----------------------|
| | h3 mm | h1 mm | h4 mm | h2/h5 mm | Q @ c=500mm kg |
| Simplex | 3000 | 2180 | 4060 | 100 | 3500 |
| | 3300 | 2300 | 4360 | 100 | 3500 |
| | 3720 | 2510 | 4780 | 100 | 3500 |
| | 4000 | 2770 | 5060 | 100 | 3500 |
| | 4500 | 3010 | 5560 | 100 | 3500 |
| | 5000 | 3260 | 6060 | 100 | 3500 |
| | 5500 | 3510 | 6560 | 100 | 3350 |
| 6000 | 3760 | 7060 | 100 | 3250 | |
| Duplex | 3010 | 2180 | 4070 | 1170 | 3500 |
| | 3300 | 2300 | 4360 | 1290 | 3500 |
| | 3720 | 2625 | 4780 | 1610 | 3500 |
| | 4000 | 2770 | 5060 | 1750 | 3500 |
| Triplex | 3730 | 1940 | 4790 | 930 | 3500 |
| | 4010 | 2060 | 5070 | 1050 | 3500 |
| | 4390 | 2180 | 5450 | 1170 | 3500 |
| | 4700 | 2300 | 5760 | 1290 | 3500 |
| | 5030 | 2450 | 6090 | 1430 | 3450 |
| | 5580 | 2630 | 6640 | 1610 | 3300 |
| | 6000 | 2770 | 7060 | 1750 | 3200 |
| | 6510 | 2940 | 7570 | 1930 | 2350 |
| 7000 | 3140 | 8060 | 2120 | 1600 | |

Mast Performance and Capacity

- h1 Height with mast lowered
- h2 Standard free lift
- h3 Lift height
- h4 Height with mast raised
- h5 Full free lift
- Q Lifting capacity, rated load
- c Load centre (distance)

All dimensions include load backrest. In case load backrest is not used h5 will increase by 390 mm (20N, 25N), 350 mm (30N), 240 mm (35N), while h4 will decrease by 390 mm (20N, 25N), 350 mm (30N), 240 mm (35N).

* Capacities shown require truck equipped with dual tyres. Consult your dealer for the maximum back tilt allowed, to obtain the capacities specified.

The capacities are applicable for pneumatic shaped solid tyres (SE).

Cat Lift Trucks is renowned for its worldwide distribution network, but you will always find an experienced and dedicated team of professionals close to you. Individuals committed to helping you maximise profits. With Cat Lift Trucks, your investment is in safe hands.

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NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications, or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Cat lift trucks Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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