

# LP Gas Cushion Tire Lift Trucks

Capacity: 3,000-6,500 lb





Engineered for performance in demanding industrial and manufacturing environments, our 3,000-6,500 lb capacity LP gas cushion tire lift trucks optimize operator comfort and deliver a workhorse package of travel, lift and lowering speeds to maximize productivity.

# C3000-C6500 Series

Packed with productive solutions, an impressive list of standard features includes:

- EPA-compliant purePOWER™ engines
- Fuel saver mode
- Ground speed control
- Responsive drive-by-wire throttle control
- Heavy duty counterweight grill
- Throttle-body fuel injection
- Single-speed powershift transmission with hydraulic accumulator
- High-output direct-drive hydraulic pump
- Narrow mast channels and square fork bars
- 48-inch high load backrest extension
- Single cushion drive and steer tires
- 18-inch grab bar (overhead guard mounted)
- Open step with anti-slip plate and anti-slip rubber floor mat
- Full suspension vinyl fold-down seat (C4000-C6500)
- Semi-suspension vinyl fold-down seat (C3000-CC4000)
- Seat hip restraint and anti-cinch seat belt
- Memory tilt steering column
- Cowl-mounted hydraulic levers with ergonomic knobs
- Two-pedal brake system
- Heavy-duty cast drive axle
- LED front work lights
- LED rear combination lights
- Convenience tray with clipboard holder
- Hydrostatic power steering with high-strength cast axle housing
- Isolating rubber mounts for engine, transmission, steer axle, hydraulic control valve, radiator, exhaust piping and mast cylinders
- Solid state distributor-less ignition system
- Platinum-tipped spark plugs
- Tilt cylinders with spherical bushings
- Three-section hydraulic control valve
- Insulated engine hood
- Cross-flow, high pass through square fin radiator (C4000-C6500)
- Aluminum corrugated radiator (C3000-CC4000)
- Overhead guard mounted forward work lights (two) with protective steel guards
- Operator Presence Detection System (PDS)
- Back-up alarm
- Two-stage air filter with dual-port elevated air intake
- Engine protection system
- Extended 500-hour service intervals
- Electronic vehicle control featuring on-board diagnostics
- Diagnostics via laptop or handheld computer

Model	Fuel Type	Base Capacity At 24 in Load Center (lb)	Engine Displacement
C3000	LP Gas	3,000	2.1L
C3500	LP Gas	3,500	2.1L
CC4000	LP Gas	4,000	2.1L
C4000	LP Gas	4,000	2.5L
C5000	LP Gas	5,000	2.5L
C5500	LP Gas	5,000	2.5L
C6000	LP Gas	6,000	2.5L
C6500	LP Gas	6,000	2.5L



# Quality



These trucks were designed with operator comfort in mind, helping you maximize productivity one shift after another.

## Added Operator Protection

The advanced Cat Lift Trucks operator Presence Detection System (PDS) keeps your operator informed. When your operator leaves the normal seated operating position, the following occurs:

- Transmission disengaged
- Power disconnects from hydraulic functions
- Parking brake alarm sounds if the operator has not applied the parking brake

When your operator returns to the normal seated operating position, a buzzer will sound to remind him to fasten his seat belt.





## Operator Efficiency And Comfort

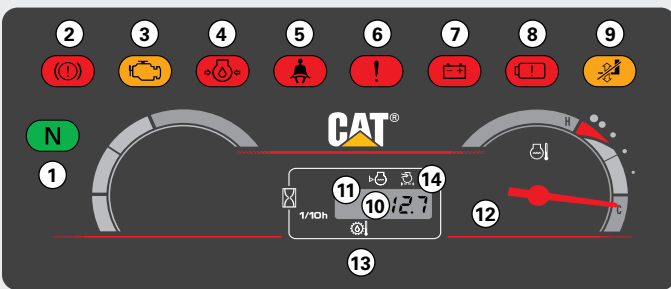
A clean, unobstructed work environment enables the operator to perform more efficiently. A generous floor area enhances operator mobility. The open-step entry with slip-resistant steel plates and an easy-to-reach elongated grab bar help facilitate cab access.

A seat-side convenience tray provides the operator with an easy to reach storage location. The convenience tray includes a metal clip board holder, cup holder, pen/pencil compartment and miscellaneous items compartment.



## Full Suspension Seat And Tilt Steering

A three-way, full-suspension seat (C4000-C6500) reduces shock and vibration to keep operators comfortable throughout their shifts. The memory feature on the tilt steering column makes it easy for operators to return the column to their preferred position after re-entry. These trucks feature three brace points to allow operators to get on and off the truck quickly and securely: an open step, a grab bar and a seat hip restraint.



## Standard Indicator Package

The instrument panel tilts with the steer column, keeping it in the line of sight of the operator. A standard indicator package keeps the operator informed of operating conditions and includes the items to the right.

- 1 Neutral indicator
- 2 Parking brake reminder/brake fluid level
- 3 Check engine
- 4 Engine oil pressure
- 5 Seat belt warning
- 6 System warning
- 7 Alternator (battery charging)
- 8 Low LP fuel warning
- 9 Mast/auxiliary hydraulic function interlock
- 10 Hour meter/diagnostic codes
- 11 Radiator level (option)
- 12 Coolant temperature level
- 13 Transmission oil temperature
- 14 Clogged air cleaner (option)

# Reliability



These rugged, compact trucks come with fuel-injected purePOWER™ engines that provide excellent horsepower and torque in hard-working environments.

## Ground Speed Control

This feature allows you to customize the maximum travel speed of the truck to meet your application requirements without affecting overall performance. The benefits include reduced risk to pedestrian traffic, lower operating costs, enhanced engine wear protection, as well as reduced risk of damaging loads, racks and trucks.





## Pure Power And Performance

The fuel-injected purePOWER™ engines include tamper-proof fuel management systems that optimize fuel economy, while exceeding EPA requirements for CO, HC and NOx emissions. For exceptional productivity with maximum fuel efficiency, simply engage the Fuel Saver Mode. This softens the initial acceleration of the truck and minimizes fuel consumption by approximately 14 percent while maintaining 95 percent of the truck's overall productivity. Drive-by-wire engine throttle control helps improve fuel efficiency and emissions levels while providing responsive acceleration.

## The Peak Of Performance

High dual air-intake vents channel clean air into the engine. The cross-flow, square-fin radiator features an aluminum core for optimum cooling and high pass-through of debris.

## Extending Component Life

The hydraulic control valves, transmission, engine, radiator, muffler, steer axle and mast cylinders have all been rubber mounted to significantly extend life-cycle performance while providing your operator with a quiet, more comfortable ride. A rubber floor mat and added insulation under the engine hood further reduce noise and vibration.

## LED Front Work Lights And Rear Combination Lights

Modern LED lighting technology offers extended service life and our brilliant LED front work lights and rear combination lights are more durable than incandescent lights. The standard LED lights are packaged complete with guards.

## Rugged Mast Offers Good Visibility

Operator visibility is achieved by narrow flanges with deep web channels to provide necessary strength. Square fork bars allow good visibility through the carriage. The Triplex mast provides smooth, hydraulic cushioning during downward travel into the free lift phase. This feature helps reduce the risk of abrupt, jarring stops that can potentially damage loads.



# Specifications

Characteristics					C3000			
1	Capacity	At rated load center	lb	kg	3,000	1,500		
2		At load center-distance	in	mm	24.0	500		
3	Power	LP gas			LP Gas			
4	Tire type	Cushion or pneumatic			Cushion			
5	Wheels (x = driven)	Number front / rear			2x / 2.0			
Dimensions					C3000			
10	Lift	Maximum fork height with rated load	in	mm	162	4,120		
11	Lift with standard two-stage mast	Maximum fork height (top of forks)	in	mm	131	3,325		
12		Free fork height	in	mm	4.5	115		
13	Forks	Thickness x length x width	in	mm	1.4 x 42.0 x 4.0	35.0 x 1,070 x 100		
	Fork spacing	Out-to-out minimum / maximum	in	mm	7.85 / 32.25	200 / 820		
14	Tilt	Forward / backward	deg		5.0° / 10.0°			
15	Overall dimensions	Length to fork face	in	mm	82.0	2,085		
16		Width	With standard tires	in	mm	38.2	970	
			With standard tires, wide-stance	in	mm	39.2	995	
17		Height	Most lowered	in	mm	82.9	2,105	
18			Seat height	in	mm	43.4	1,102	
19			Top of overhead guard	in	mm	81.1	2,060	
20	Mast extended		in	mm	179.2	4,550		
21	Minimum outside turning radius		in	mm	70.0	1,777		
22	Load moment constant		in	mm	15.3	390		
23	Minimum aisle - 90° stack - zero clearance w/out load <sup>1</sup>		in	mm	85.3	2,167		
Performance					C3000			
40	Speeds	Travel speed loaded / empty	mph	km/h	9.8 / 10.2	15.8 / 16.4		
41		Lift speed loaded / empty	fpm	mm/s	121 / 125	617 / 633		
42		Lowering speed loaded / empty	fpm	mm/s	99.0 / 99.0	500 / 500		
43	Drawbar pull	Loaded at 1 mph (1.6 kph)	lb	N	3,760	16,715		
		Loaded maximum	lb	N	4,245	18,880		
44	Gradeability	Loaded at 1 mph (1.6 kph)			%			
		Maximum loaded / empty			%			
					37.0			
					43.0 / 20.0			
Weight					C3000			
50	Empty		lb	Kg	6,067	2,752		
51	Axle load	Without load front / rear	lb	Kg	2,315 / 3,752	1,050 / 1,702		
		With load front	lb	Kg	7,831	3,552		
Chassis					C3000			
60	Tire size	Front, standard	in		18.0 x 6.0 x 12 1/8			
61		Rear	in		14.0 x 5.0 x 10.0			
62	Wheelbase		in	mm	46.9	1,190		
63	Tread width	Front, standard tires	in	mm	32.2	820		
		Front, wide-stance tires	in	mm	33.2	845		
		Rear, standard tires	in	mm	31.8	810		
65	Ground clearance	At lowest point of mast	in	mm	2.9	75.0		
		At center of wheelbase	in	mm	4.5	116		
67	Brakes	Service	type		Foot, Hydraulic			
68		Parking	type		Hand, Mechanical			
Powertrain					C3000			
80	Engine	Model			K21			
81		Continuous output (S.A.E. gross)		HP	kW	50.0	37.4	
				at rpm		2,400		
82		Maximum torque (S.A.E. gross)		lb-ft	Nm	111	151	
				at rpm		2,000		
83	Cylinder displacement		cu in	L	126	2.1		
84	Transmission	Type			Powershift			
85		Number of speeds forward / reverse			1.0 / 1.0			
	Battery		volts		12.0			
Hydraulics					C3000			
86	Relief pressure	For attachments at auxiliary valve	psi	kg/cm <sup>2</sup>	2,250	158		
88	Hydraulic flow	For attachments at auxiliary valve	gpm	lpm	19.0	72.0		

[1] Add load length and clearance

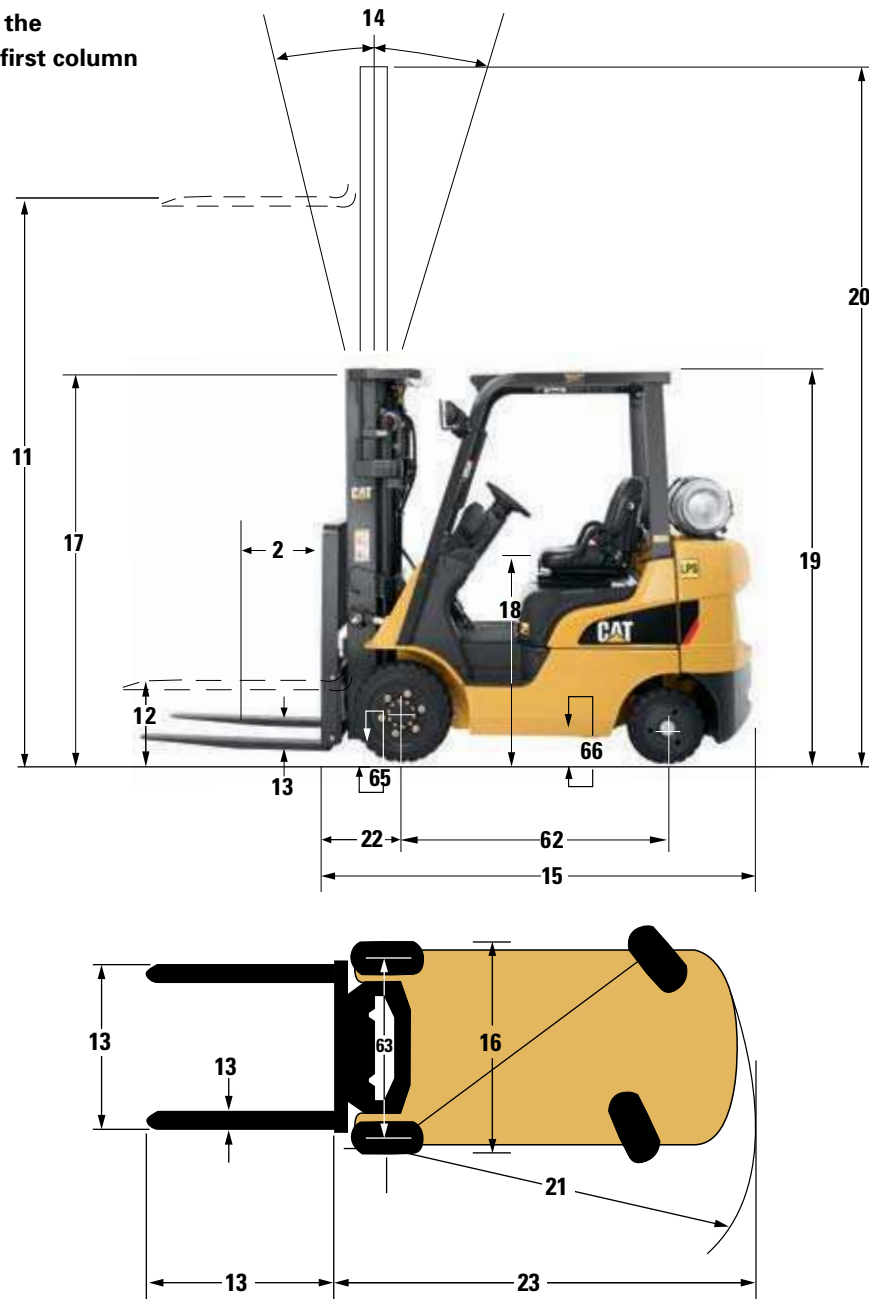
NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. ("MCFA"). (See ANSI/ITSDF B56.1) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.



C3500		CC4000		C4000		C5000	
3,500	1,800	4,000	2,000	4,000	2,000	5,000	2,500
24.0	500	24.0	500	24.0	500	24.0	500
LP Gas		LP Gas		LP Gas		LP Gas	
Cushion		Cushion		Cushion		Cushion	
2x / 2.0		2x / 2.0		2x / 2.0		2x / 2.0	
C3500		CC4000		C4000		C5000	
147	3,750	N/A	N/A	170	4,320	170	4,320
131	3,325	131.1	3,330	131.5	3,340	131.5	3,345
4.5	115	4.7	120	5.1	130	5.3	135
1.4 x 42.0 x 4.0	35.0 x 1,070 x 100	1.6 x 42.0 x 4.0	35.0 x 1,070 x 100	1.6 x 42.0 x 4.0	45.0 x 1,070 x 100	1.6 x 42.0 x 4.0	45.0 x 1,070 x 100
7.85 / 32.25	200 / 820	7.85 / 32.25	200 / 820	7.8 / 36.0	200 / 920	7.8 / 36.0	200 / 920
5.0° / 10.0°		5.0° / 10.0°		5.0° / 9.0°		5.0° / 9.0°	
83.2	2,115	85.6	2,175	90.5	2,295	93.0	2,360
38.2	970	40.2	1,020	42.0	1,065	42.0	1,065
39.2	995	N/A	N/A	44.5	1,130	44.5	1,130
82.9	2,105	82.9	2,105	83.5	2,110	83.5	2,110
43.4	1,102	43.4	1,102	43.0	1,099	43.0	1,099
81.1	2,060	81.1	2,060	82.0	2,075	82.0	2,075
179.2	4,550	179.2	4,550	180	4,570	180	4,570
71.2	1,810	72.8	1,850	77.5	1,965	79.5	2,020
15.3	390	15.9	405	16.3	415	16.5	420
86.5	2,200	88.7	2,255	93.8	2,380	96.0	2,440
C3500		CC4000		C4000		C5000	
9.8 / 10.2	15.8 / 16.4	9.8 / 10.2	15.7 / 16.4	11.0 / 11.5	17.5 / 18.0	11.0 / 11.5	17.5 / 18.0
121 / 125	617 / 633	121 / 125	617 / 633	125 / 130	640 / 650	125 / 130	640 / 650
99.0 / 99.0	500 / 500	99.0 / 99.0	500 / 500	99.0 / 99.0	500 / 500	99.0 / 99.0	500 / 500
3,745	16,640	3,705	16,475	4,350	19,400	4,325	19,200
4,230	18,815	4,195	18,645	4,900	21,700	4,850	21,600
32.0		28.0		41.6		34.8	
40.0 / 18.0		35.0 / 18.0		47.6 / 27.7		39.6 / 22.8	
C3500		CC4000		C4000		C5000	
6,449	2,925	7,000	3,180	7,360	3,338	8,157	3,700
2,185 / 4,264	991 / 1,934	2,075 / 4,935	940 / 2,238	3,050 / 4,310	1,384 / 1,954	2,833 / 5,324	1,285 / 2,415
8,618	3,909	9,482	4,300	9,975	4,525	11,488	5,211
C3500		CC4000		C4000		C5000	
18.0 x 6.0 x 12 1/8		18.0 x 7.0 x 12 1/8		21.0 x 7.0 x 15.0		21.0 x 7.0 x 15.0	
14.0 x 5.0 x 10.0		14.0 x 5.0 x 10.0		16.0 x 6.0 x 10 1/2		16.0 x 6.0 x 10 1/2	
46.9	1,190	46.9	1,190	55.0	1,400	55.0	1,400
32.2	820	33.2	845	35.0	890	35.0	886.4
33.2	845	N/A	N/A	37.5	950	37.5	950
31.8	810	31.8	810	35.0	890	35.0	890
2.9	75.0	2.9	75.0	3.1	80.0	3.1	80.0
4.5	116	4.5	116	5.4	139	5.4	139
Foot, Hydraulic		Foot, Hydraulic		Foot, Hydraulic		Foot, Hydraulic	
Hand, Mechanical		Hand, Mechanical		Hand, Mechanical		Hand, Mechanical	
C3500		CC4000		C4000		C5000	
K21		K21		K25		K25	
50.0	37.4	50.0	37.4	63.0	46.9	63.0	46.9
2,400		2,400		2,700		2,700	
111	151	111	151	139	188	136	188
2,000		2,000		1,600		1,600	
126	2.1	126	2.1	152	2.5	152	2.5
Powershift		Powershift		Powershift		Powershift	
1.0 / 1.0		1.0 / 1.0		1.0 / 1.0		1.0 / 1.0	
12.0		12.0		12.0		12.0	
C3500		CC4000		C4000		C5000	
2,250	158	2,250	158	2,250	158	2,250	158
19.0	72.0	19.0	72.0	23.5	89.1	23.5	89.1

C5500		C6000		C6500	
5,500	2,800	6,000	3,000	6,500	3,300
24.0	500	24.0	500	24.0	500
LP Gas		LP Gas		LP Gas	
Cushion		Cushion		Cushion	
2x / 2.0		2x / 2.0		2x / 2.0	
C5500		C6000		C6500	
186	4,725	186	4,725	186	4,725
131	3,310	131	3,310	131.5	3,340
5.3	135	5.3	135	5.3	135
1.8 x 42.0 x 5.0	45.0 x 1,070 x 125	1.8 x 42.0 x 5.0	45.0 x 1,070 x 125	1.8 x 42.0 x 5.0	45.0 x 1,070 x 125
8.0 / 38.0	200 / 960	8.0 / 38.0	200 / 960	8.0 / 38.0	200 / 960
5.0° / 6.0°		5.0° / 6.0°		5.0° / 6.0°	
95.0	2,415	96.5	2,450	97.5	2,475
44.0	1,115	44.0	1,115	44.0	1,115
45.5	1,155	45.5	1,155	45.5	1,155
83.5	2,110	83.5	2,110	88.0	2,230
43.0	1,099	43.0	1,099	43.0	1,099
82.0	2,075	82.0	2,075	82.0	2,075
179	4,540	179	4,540	180	4,570
81.5	2,065	82.5	2,095	83.5	2,125
17.2	435	17.2	435	17.2	435
98.7	2,500	99.7	2,530	100.7	2,560
C5500		C6000		C6500	
10.0 / 10.5	16.5 / 17.0	10.0 / 10.5	16.5 / 17.0	10.0 / 10.5	16.5 / 17.0
105 / 105	530 / 540	105 / 105	530 / 540	105 / 105	530 / 540
98.0 / 99.0	500 / 500	98 / 99	500 / 500	98 / 99	500 / 500
4,525	20,100	4,500	20,000	4,500	19,900
5,125	22,700	5,100	22,600	5,075	22,600
32.7		30.4		28.3	
37.5 / 21.9		34.8 / 19.6		28.3 / 18.4	
C5500		C6000		C6500	
9,048	4,104	9,480	4,300	9,938	4,508
3,045 / 6,003	1,381 / 2,723	2,897 / 6,583	1,314 / 2,986	2,875 / 7,064	1,304 / 3,204
12,652	5,739	13,378	6,068	14,229	6,454
C5500		C6000		C6500	
21.0 x 8.0 x 15.0		21.0 x 8.0 x 15.0		21.0 x 8.0 x 15.0	
16.0 x 6.0 x 10 1/2		16.0 x 6.0 x 10 1/2		16.0 x 6.0 x 10 1/2	
55.0	1,400	55.0	1,400	55.0	1,400
36.0	911.8	36.0	911.8	36.0	911.8
37.5	952	37.5	952	37.5	952
35.0	890	35.0	890	35.0	890
3.1	80.0	3.1	80.0	3.1	80.0
5.4	139	5.4	139	5.4	139
Foot, Hydraulic		Foot, Hydraulic		Foot, Hydraulic	
Hand, Mechanical		Hand, Mechanical		Hand, Mechanical	
C5500		C6000		C6500	
K25		K25		K25	
63.0	46.9	63.0	46.9	63.0	46.9
2,700		2,700		2,700	
139	188	139	188	139	188
1,600		1,600		1,600	
152	2.5	152	2.5	152	2.5
Powershift		Powershift		Powershift	
1.0 / 1.0		1.0 / 1.0		1.0 / 1.0	
12.0		12.0		12.0	
C5500		C6000		C6500	
2,250	158	2,250	158	2,250	158
23.5	89.1	23.5	89.1	23.5	89.1

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.



## Safety Standards

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1.

UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only. Types LP, LPS (optional), Industrial Trucks. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

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**Quality**

**Reliability**

**Customer Service**

Cat Lift Trucks offers a full line of lift trucks capable of handling a wide range of demanding applications. Our lift trucks are serious about getting the job done, and they are backed by the best customer service in the industry.



## LP Gas Cushion Tire Lift Trucks

Capacity: 3,000-6,500 lb

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