TOWMOTOR

2,000 - 3,000 kg. Capacity Gasoline, LP Gas, Dual Fuel And Diesel

Pneumatic Tire Forklifts




The Original Forklift

Part of the Mitsubishi Caterpillar Forklift America Inc. Family

Historical images of Towmotor forklifts in action

More Than 80 Years Of Forklift Design And Expertise

Towmotor was founded in 1919 in Cleveland, Ohio, by F. W. Sears and his son, Lester M. Sears. The real beginning actually dates from November 1918, when Lester M. Sears conceived and began the design of a straight gasoline-powered industrial tractor, the first original Towmotor.

After 14 years of manufacturing small tractors, Towmotor introduced something revolutionary — a machine that would forever change the materials handling industry.

In 1933, Towmotor unveiled the world's first forklift, a unique design that used front forks to lift and carry cargo while the back of the vehicle was counterbalanced to stabilize the load. The vehicle's innovative design allowed one operator to easily unload more than a ton of cargo – and fast. What once took hours and 30 men to do, a Towmotor forklift did with just one driver and in a fraction of the time. The Towmotor "one-man-gang" was so popular that all forklifts at the time were generally referred to as "Towmotors."

The Timeline

1919

Towmotor was founded in Cleveland, Ohio.

1932

Towmotor developed and manufactured the first gasoline forklift, the Model L., which was introduced in 1933.

1946

Towmotor introduced the first pneumatic-tired vehicle, the Model LT-60, specifically designed for the concrete block industry.

1965

In November 1965, Caterpillar Inc. in Peoria, Illinois, acquired Towmotor of Cleveland – merging Towmotor's tradition of durable, quality lift trucks with Caterpillar's service-oriented reputation as the leading manufacturer of quality construction and earth-moving equipment.

1986

The business' name was officially changed to Caterpillar Industrial Inc. (CII).

A New Class Of Towmotors

Today, Towmotor is stronger than ever. The brand is supported by one of the best manufacturing facilities around the world. Customers can be assured they are receiving a high-quality and reliable forklift, built in the same factory as Cat® lift trucks and Mitsubishi forklift trucks today.

High-Quality Design

Designed for reliability, Towmotor's GP20S series features high-quality key components, such as the diesel S4S and dual fuel GK25 engines. The series is also backed by a 1-year / 2,000 hour standard warranty and 2-year / 4,000 hour powertrain warranty for added peace of mind.

Circa 1944

Today

1990

Caterpillar celebrated its 25th year in the lift truck business.

1992

Mitsubishi Caterpillar Forklift America Inc. (MCFA) was formed to manufacture and market lift trucks in the Western Hemisphere.

2012

Towmotor launched the new GP20S-GP35S/ DP20HS-DP30HS model family.

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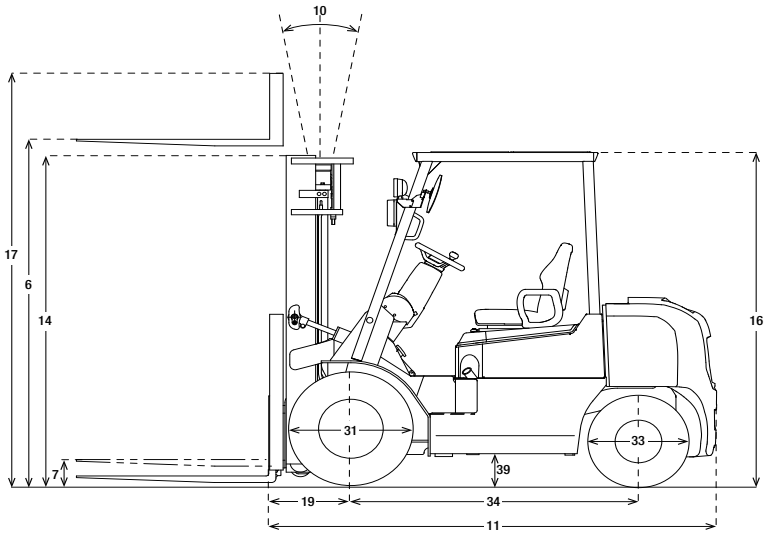
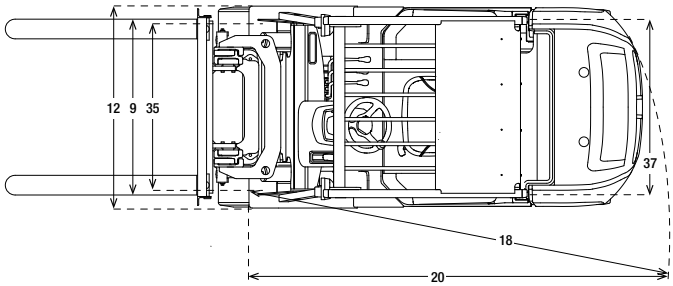
	CHARACTERISTICS			GP20S		DP20HS		GP25S	
1	Capacity at rated load center	lb	*kg*	4,000	*2,000*	4,000	*2,000*	5,000	*2,500*
2	Capacity at load center – distance	in	*mm*	24	*500*	24	*500*	24	*500*
3	Power			gasoline / LP gas		diesel		gasoline / LP gas	
4	Tire type			pneumatic		pneumatic		pneumatic	
5	Wheels, number front / rear (x=driven)			2x / 2		2x / 2		2x / 2	
	DIMENSIONS			**GP20S**		**DP20HS**		**GP25S**	
6	Maximum fork height – with standard two-stage mast	in	*mm*	118	*3,000*	118	*3,000*	118	*3,000*
7	Free fork height – with standard two-stage mast	in	*mm*	5.5	*140*	5.5	*140*	5.5	*140*
8	Fork dimensions – length x width x thickness	in	*mm*	42 x 3.9 x 1.8	*1,070 x 100 x 45*	42 x 3.9 x 1.8	*1,070 x 100 x 45*	42 x 3.9 x 1.8	*1,070 x 100 x 45*
9	Fork spacing, out-to-out minimum / maximum	in	*mm*	9.6 / 39.3	*244 / 1,000*	9.6 / 39.3	*244 / 1,000*	9.6 / 39.3	*244 / 1,000*
10	Tilt, forward / backward	deg		6 / 10		6 / 10		6 / 10	
11	Length to fork face	in	*mm*	99.4	*2,525*	99.4	*2,525*	100.8	*2,560*
12	Overall width with standard tires	in	*mm*	45.3	*1,150*	45.3	*1,150*	45.3	*1,150*
	Overall width with optional duals	in	*mm*	N / A		N / A		N / A	
14	Height with lowered mast	in	*mm*	78.3	*1,990*	78.3	*1,990*	78.3	*1,990*
15	Seat height	in	*mm*	45.3	*1,104*	45.3	*1,104*	45.3	*1,104*
16	Height to top of overhead guard	in	*mm*	81.7	*2,075*	81.7	*2,075*	81.7	*2,075*
17	Height with extended mast	in	*mm*	160	*4,055*	160	*4,055*	160	*4,055*
18	Minimum outside turning radius	in	*mm*	90.6	*2,300*	90.6	*2,300*	91.5	*2,325*
19	Load moment constant	in	*mm*	17.9	*455*	17.9	*455*	18.1	*460*
20	Minimum aisle – 90° stack – zero clearance without load	in	*mm*	108.5	*2,755*	108.5	*2,755*	109.6	*2,785*
	PERFORMANCE			**GP20S**		**DP20HS**		**GP25S**	
21	Travel speed, loaded / empty	mph	*km/h*	11.8 / 12.1	*19.0 / 19.5*	11.8 / 12.1	*19.0 / 19.5*	11.8 / 12.1	*19.0 / 19.5*
22	Lift speed, loaded / empty	fpm	*mm/s*	114 / 130	*580 / 660*	126 / 132	*640 / 670*	114 / 130	*580 / 660*
23	Lowering speed, loaded / empty	fpm	*mm/s*	98 / 98	*500 / 500*	98 / 98	*500 / 500*	98 / 98	*500 / 500*
24	Drawbar pull loaded (60-minute rating)	lb	*N*	3,642	*16,200*	4,002	*17,800*	3,597	*16,000*
25	Drawbar pull loaded maximum (5-minute rating)	lb	*N*	4,181	*18,600*	4,496	*20,000*	4,136	*18,400*
26	Gradeability loaded at 1 mph (1.6 km)	%		32.8		35.6		27.8	
27	Gradeability maximum, loaded / empty	%		38.1 / 14.3		40.4 / 14.3		32.2 / 14.3	
	WEIGHT			**GP20S**		**DP20HS**		**GP25S**	
28	Weight, empty	lb	*kg*	7,190	*3,260*	7,430	*3,370*	7,830	*3,550*
29	Axle load with rated load, front / rear (est.)	lb	*kg*	9,370 / 1,430	*4,390 / 650*	9,370 / 1,380	*4,390 / 650*	11,650 / 1,560	*5,490 / 730*
30	Axle load without load, front / rear (est.)	lb	*kg*	2,390 / 4,360	*1,080 / 1,960*	2,390 / 4,360	*1,080 / 1,960*	3,260 / 4,950	*1,480 / 2,240*
	CHASSIS			**GP20S**		**DP20HS**		**GP25S**	
31	Tire size – front (standard)	in		7.0 x 12-12PR		7.0 x 12-12PR		7.0 x 12-12PR	
	Tire size – front (optional duals)	in		N / A		N / A		N / A	
33	Tire size – rear	in		6.0 x 9-10PR		6.0 x 9-10PR		6.0 x 9-10PR	
34	Wheelbase	in	*mm*	65.0	*1,650*	65.0	*1,650*	65.0	*1,650*
35	Tread width – front (standard tires)	in	*mm*	37.8	*960*	37.8	*960*	37.8	*960*
	Tread width – front (optional duals)	in	*mm*	N / A		N / A		N / A	
37	Tread width – rear	in	*mm*	38.6	*980*	38.6	*980*	38.6	*980*
38	Ground clearance at lowest point of mast	in	*mm*	4.5	*115*	4.5	*115*	4.5	*115*
39	Ground clearance at center or wheelbase	in	*mm*	6.6	*167*	6.6	*167*	6.6	*167*
40	Service brakes	type		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic	
41	Parking brakes	type		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical	
	ELECTRICAL			**GP20S**		**DP20HS**		**GP25S**	
42	Engine model			GK25		S4S		GK25	
43	Continuous output S.A.E. gross	HP	*kW*	53.6	*40.0*	59.0	*44.0*	53.6	*40.0*
44		at rpm		2,200		2,300		2,200	
45	Maximum torque S.A.E. gross	lb-ft	*Nm*	137	*186*	135	*183*	137	*186*
46		at rpm		1,600		1,800		1,600	
47	Cylinders / displacement	cu in	*L*	152	*2.5*	203	*3.3*	152	*2.5*
48	Transmission type			powershift		powershift		powershift	
49	Number of speeds, forward / reverse			1 / 1		1 / 1		1 / 1	
50	Relief pressure for attachments	psi	*bar*	2,625	*181*	2,625	*181*	2,625	*181*
51	Noise level – mean value at operator's ear Leq	dB(A)		73.5		73.5		73.5	

DP25HS		GP30S		DP30HS	
5,000	*2,500*	6,000	*3,000*	6,000	*3,000*
24	*500*	24	*500*	24	*500*
diesel		gasoline / LP gas		diesel	
pneumatic		pneumatic		pneumatic	
2x / 2		2x / 2		2x / 2	
DP25HS		**GP30S**		**DP30HS**	
118	*3,000*	118	*3,000*	118	*3,000*
5.5	*140*	5.7	*145*	5.7	*145*
42 x 3.9 x 1.8	*1,070 x 100 x 45*	42 x 4.8 x 1.8	*1,070 x 122 x 45*	42 x 4.8 x 1.8	*1,070 x 122 x 45*
9.6 / 39.3	*244 / 1,000*	9.6 / 39.3	*244 / 1,000*	9.6 / 39.3	*244 / 1,000*
6 / 10		6 / 10		6 / 10	
100.8	*2,560*	105.9	*2,690*	105.9	*2,690*
45.3	*1,150*	50.2	*1,275*	50.2	*1,275*
N / A		N / A		N / A	
78.3	*1,990*	79.3	*2,015*	79.3	*2,015*
45.3	*1,104*	44.3	*1,124*	44.3	*1,124*
81.7	*2,075*	82.5	*2,095*	82.5	*2,095*
160	*4,055*	160	*4,055*	160	*4,055*
91.5	*2,325*	95.1	*2,415*	95.1	*2,415*
18.1	*460*	19.5	*495*	19.5	*495*
109.6	*2,785*	114.6	*2,910*	114.6	*2,910*
DP25HS		**GP30S**		**DP30HS**	
11.8 / 12.1	*19.0 / 19.5*	11.8 / 12.1	*19.0 / 19.5*	11.8 / 12.1	*19.0 / 19.5*
126 / 132	*640 / 670*	91 / 104	*460 / 530*	100 / 107	*510 / 545*
98 / 98	*500 / 500*	104 / 98	*530 / 500*	104 / 98	*530 / 500*
3,957	*17,600*	3,552	*15,800*	3,867	*17,200*
4,429	*19,700*	4,114	*18,300*	4,361	*19,400*
30.2		22.8		24.5	
34.2 / 14.3		26.5 / 17.3		27.7 / 17.3	
DP25HS		**GP30S**		**DP30HS**	
8,050	*3,650*	9,240	*4,190*	9,460	*4,290*
11,650 / 1,560	*5,490 / 730*	13,890 / 1,750	*6,550 / 820*	13,890 / 1,750	*6,550 / 820*
3,260 / 4,950	*1,480 / 2,240*	3,920 / 5,720	*1,770 / 2,600*	3,920 / 5,720	*1,770 / 2,600*
DP25HS		**GP30S**		**DP30HS**	
7.0 x 12-12PR		28 x 9-15-12PR		28 x 9-15-12PR	
N / A		N / A		N / A	
6.0 x 9-10PR		6.50 x 10-10PR		6.50 x 10-10PR	
65.0	*1,650*	65.0	*1,650*	65.0	*1,650*
37.8	*960*	41.7	*1,060*	41.7	*1,060*
N / A		N / A		N / A	
38.6	*980*	38.6	*980*	38.6	*980*
4.5	*115*	5.3	*135*	5.3	*135*
6.6	*167*	7.4	*189*	7.4	*189*
foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic	
hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical	
DP25HS		**GP30S**		**DP30HS**	
S4S		GK25		S4S	
59.0	*44.0*	53.6	*40.0*	59.0	*44.0*
2,300		2,200		2,300	
135	*183*	137	*186*	135	*183*
1,800		1,600		1,800	
203	*3.3*	152	*2.5*	203	*3.3*
powershift		powershift		powershift	
1 / 1		1 / 1		1 / 1	
2,625	*181*	2,625	*181*	2,625	*181*
73.5		73.5		73.5	

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





TOWMOTOR

2,000 - 3,000 kg. Gasoline, LP Gas, Dual Fuel And Diesel
Pneumatic Tire Forklifts

Strength

This truck is built to perform in the most challenging applications. Its high-performing engines are designed to excel in travel and lift speed, drawbar pull and fuel efficiency. The one-piece, floating design drive axle and fully hydrostatic steer axle provide excellent durability and performance, shift after shift.

Design

Towmotor trucks are designed as high-performing lift trucks with the operator and service technician in mind. The design of the mast, overhead guard and display panel provides industry-leading visibility in all directions. With serviceability in mind, the engine compartment is constructed with removable side panels, as well as a one-piece floor plate that can be removed without tools, making routine maintenance much easier. This leads to less down time, resulting in lower costs to you and your business.

Comfort

A low-entry step, elongated grab bar, vinyl seat with reinforced hip restraints and tilting steering column all provide easy access and comfort to the operator throughout their shift. A variety of options are also available to not only customize the truck, but also to assist your operators in accomplishing their daily tasks.

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