



TOWMOTOR®

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www.towmotorforklift.com.sg

**Internal Combustion
Pneumatic Tire
2.0-3.0 ton**

Quality. Reliability. Value.



<https://truckmanualshub.com/>



Towmotor History

An American Original

American businessman Lester Sears founded Towmotor Corporation in Cleveland, Ohio way back in 1919. It was a time when most things relied on brute manpower, especially when it came to the loading and unloading of goods. Like its name suggests, a Towmotor® was a new type of gasoline-powered industrial tractor that pulled and pushed carts in, out and around warehouses and factories. At the time, a Towmotor was much more efficient way of moving goods and greatly increased productivity.

A Revolution

After fourteen years of manufacturing small tractors, Towmotor introduced something revolutionary—a machine that would change forever the materials handling industry. In 1933, Towmotor unveiled the world's first forklift. Towmotor® forklifts adopted a unique design that used front forks to lift and carry cargo while the back of the vehicle was counter-balanced to stabilize the load. The vehicle's innovative design allowed one operator to easily unload, move and load over a ton of cargo—fast. What once took hours and thirty men to do, a Towmotor forklift did with just one driver and in a fraction of the time. The Towmotor Company's "One man gangs" were so popular that all forklifts at the time were generally referred to as "Towmotors."

A Company Reborn

After decades of success, the fortunes of Towmotor shifted due to globalization, market downturns and labor challenges. By the end of the 1980s, the once iconic brand had almost disappeared. Today, Towmotor is back stronger than ever. The company has a revitalized capital infrastructure and new partners with a sales and marketing department that is supported by some of the best manufacturing facilities to be found anywhere. Towmotor is bringing back its American heritage and values with its new line of basic and robust Towmotor® forklifts.



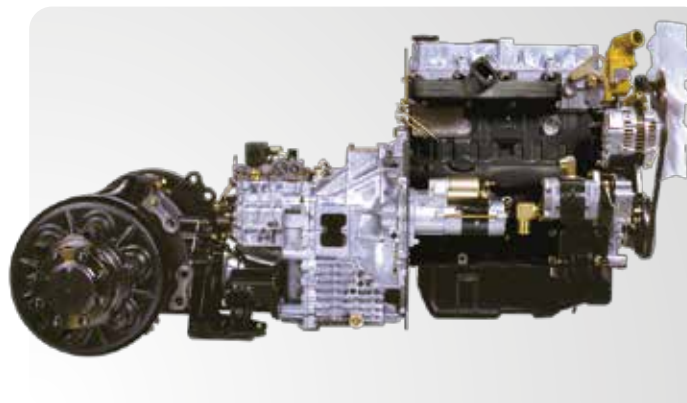
Quality. Reliability. Value.

Performance

All Towmotor® diesel forklifts are built with a hefty and reliable 44kw engine, which means high lifting and travel speeds for all applications. Towmotor forklifts power plants and transmissions are made in the company's own factories to exacting standards and will provide many years of reliable service.



Towmotor gasoline forklift trucks are equipped with the renowned K25 dual fuel engine with the flexibility of either using gasoline or LPG. Towmotor forklifts also incorporate a full floating power train. Full floating power trains are more reliable, distribute load better and creates less wear on the axle and transmission components.



Reliability

Unlike some other forklifts, Towmotor® forklifts frames and chassis are fully welded—first by a precision robot and then hand finished by a welding professional. Welding helps create a stronger vehicle that won't twist or strain under high load factors—ensuring continuous, trouble free operation.

Towmotor also puts all its forklifts through hours of rigorous testing before they ever leave the factory floor. Since the frame, chassis, engine and transmission are built and assembled in Towmotor's own factory under strict quality controls, owners can be assured of a high quality, reliable machine that will provide trouble free operation for years to come.



Back to Basics

By producing a machine with fewer frills, Towmotor has actually increased vehicle reliability and made routine maintenance a snap. By design, Towmotor® forklifts eliminate the flimsy plastic parts and delicate electronics found on many other trucks. And with Towmotor forklifts, there are no special tools needed to perform maintenance checks or carry out routine service. In the unlikely event a Towmotor forklift does encounter problems, the vehicles are easy to diagnose and trouble shoot—thanks to the simplified truck design.



At Your Service

While a high quality build is paramount to Towmotor, they also maintain a trusted and reliable network of skilled professionals who support Towmotor® forklift. Towmotor forklift owners will receive not only a great vehicle that will provide years of trouble free service but a team of professionals that will be there should they ever need assistance. We call it “Towmotor peace of mind.”

Towmotor Genuine Parts

When customers want the very best for their vehicles, genuine parts make all the difference. Using original parts helps to restore new-vehicle-like performance and reliability. Plus, all Towmotor® forklifts genuine parts are backed by Towmotor and built with the engineering expertise that can only come from the manufacturer who developed and created the very first forklift nearly a century ago.

Trustworthy

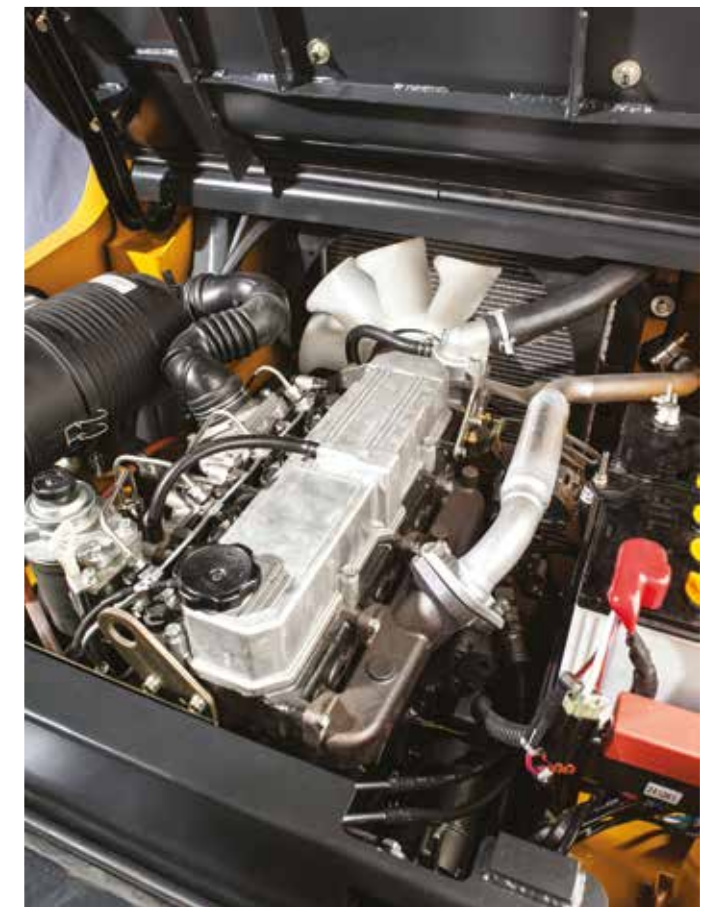
When you buy a Towmotor® “One Man Gang” you can be assured you’re buying an American original that is built to last. Quality, reliability and value are the hallmarks of a Towmotor forklift. Towmotor forklifts aren’t assembled with components purchased from a loose chain of suppliers in different countries like some truck manufacturers actually do. By producing all the components in-house Towmotor has a much greater control over the final quality of its vehicles. And because the company produces and inspects all Towmotor components and forklifts, Towmotor forklift owners will have a much easier time getting the right parts, on time, should their vehicle ever require maintenance or service.

Comfort

All Towmotor® forklifts are designed with operator comfort in mind. Towmotor forklifts offer good head clearance, an adjustable seat and a roomy cab with ergonomically designed controls and indicators. The overhead guard design of a Towmotor forklift creates more headroom, legroom and visibility.



* Some optional items are not included in the forklift



DP20-30HS Series
GP20-30S Series

Specifications

CHARACTERISTICS											
1	Type of Truck					DIESEL ENGINE TRUCK			GASOLINE ENGINE TRUCK		
2	Model					DP20HS	DP25HS	DP30HS	GP20S	GP25S	GP30S
3	Loading Capacity			Kg		2000	2500	3000	2000	2500	3000
4	Load Center			mm		500			500		
PERFORMANCE											
5	Maximum Fork Height			mm	A	3000	3000	3000	3000	3000	3000
6	Free Fork Height			mm	B	140	140	145	140	140	145
7	Speeds	Lifting	Loaded	mm/s		640	640	510	580	580	460
			Unloaded	mm/s		670	670	545	660	660	530
		Lowering	Loaded	mm/s		500	500	530	500	500	530
			Unloaded	mm/s		500	500	500	500	500	500
8	Tilt	Mast	Forward	deg		6			6		
			Backward	deg		10			10		
9	Speeds	Traveling	Loaded	km/h		19	19	19	19	19	19
			Unloaded	km/h		19.5	19.5	19.5	19.5	19.5	19.5
10	Maximum Drawbar Pull	stationary on slope	Loaded	N		20000	19700	19400	18600	18400	18300
	Drawbar Pull	at 1.6km/h	Loaded	N		17800	17600	17200	16200	16000	15800
11	Maximum Gradeability	stationary on slope	Loaded	%		40.4	34.2	27.7	38.1	32.2	26.5
	Gradeability	at 1.6km/h	Loaded	%		35.6	30.2	24.5	32.8	27.8	22.8
12	Turning Radius			mm	C	2300	2325	2415	2300	2325	2415
13	Practical Intersecting Aisle Width			mm	O	2230	2240	2335	2230	2240	2335
14	Practical Aisle for Right Angle Stacking			mm		4055	4085	4210	4055	4085	4210
DIMENSIONS											
15	Overall Length to Fork Face			mm	D	2525	2560	2690	2525	2560	2690
16	Width	with Standard Tires		mm	E	1165	1165	1285	1165	1165	1285
17	Height	with Lowered Mast			F	1990	1990	2015	1990	1990	2015
		with Extended Mast (with backrest)		mm	G	4055	4055	4055	4055	4055	4055
		to top of Overhead Guard		mm	H	2075	2075	2095	2075	2075	2095
18	Forks (Thickness x Width x Length)			mm	I	45X100X920	45X100X1070	45X122X1070	45X100X920	45X100X1070	45X122X1070
19	Forks Spread (Out-to-Out Minimum / Maximum)			mm	J	244/1000		285/1000	244/1000		285/1000
20	Front Overhang (Center of Front Axle to Fork Face)			mm	K	455	460	495	455	460	495
21	wheelbase			mm	L	1650	1650	1670	1650	1650	1670
22	Tread Width	Front, standard Tires		mm	M	960	960	1060	960	960	1060
		Rear, Tires		mm	N	980	980	980	980	980	980
23	Ground Clearance	at Lowest point mast		mm		115	115	135	115	115	135
		at Center of Wheelbase		mm		165	165	185	165	165	185
24	Tire Size	Front		mm		7.00-12-12PR		28X9-15-12PR	7.00-12-12PR		28X9-15-12PR
		Rear		mm		6.00-9-10PR		6.50-10-10PR	6.00-9-10PR		6.50-10-10PR
WEIGHT											
25	Machine Weight			kg		3373	3665	4300	3266	3557	4193
BRAKE											
26	Service Brake Type					Hydraulic			Hydraulic		
27	Parking Brake Type					Hand Operated			Hand Operated		
POWER TRAIN											
28	Engine	Model				S4S Tier 2			K25		
		Max. Rated Power/rpm to DIN70020		kW/rpm		44/2300			40/2200		
		Max. Rated Torque/rpm to DIN70020		Nm/rpm		183/1800			186/1600		
		Displacement		cc		3331			2488		
		Fuel Tank Capacity		L		66			66		
29	Transmission	Type				ATM(TORQUE CONVERTER)			ATM(TORQUE CONVERTER)		
		Forward				1			1		
		Backward				1			1		
30	Relief of Pressure	For Attachments		Mpa		18.1			18.1		

