



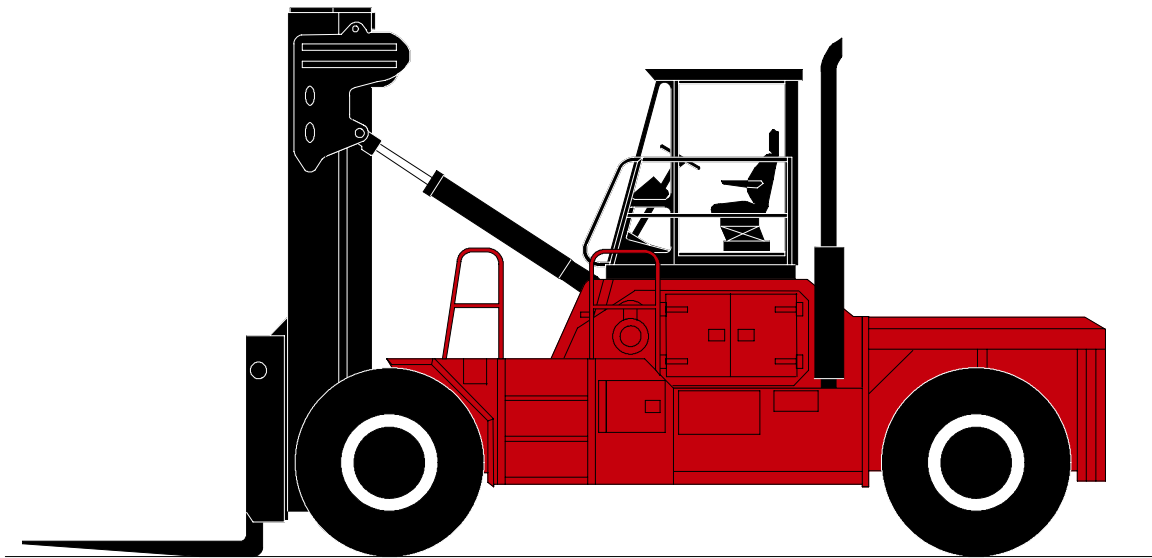
“Big Red”
T-700L

**Taylor Industrial Truck
Standard Specifications**

Rated Capacity 70,000-lbs. **(31,752 kg)**

48-in. **(1,219 mm)** Load Center

190-in. **(4,826 mm)** Wheelbase



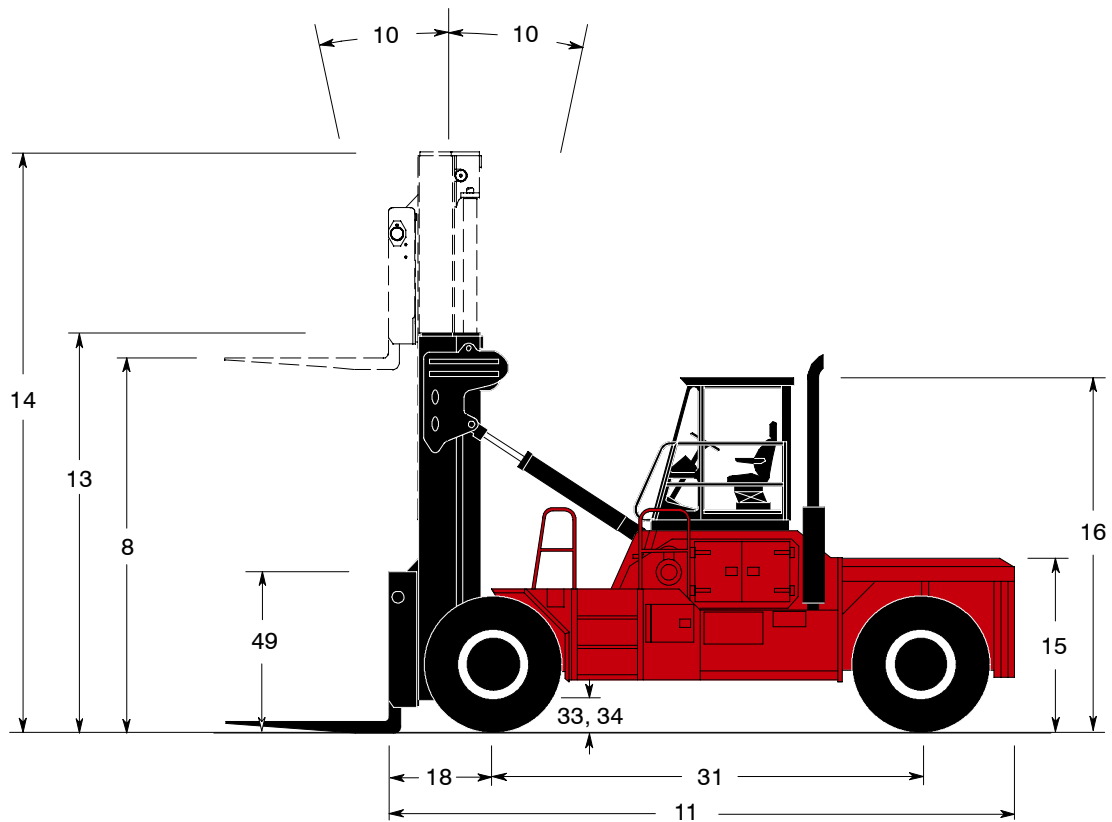
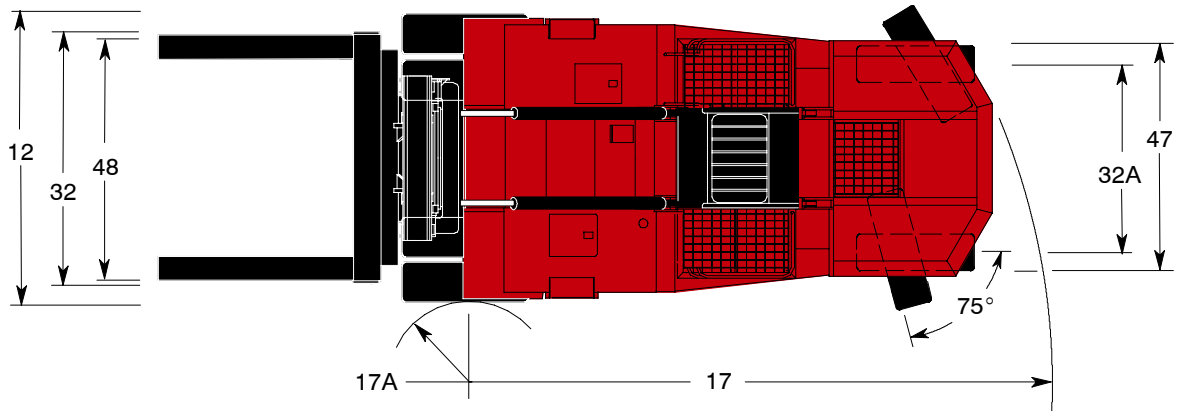
“Big Red” T-700L

GENERAL	1.	Manufacturer	Manufacturer's Name	TAYLOR		
	2.	Model	Manufacturer's Designation	T-700L		
				English	Metric	
	3.	Capacity	Rated Capacity	lb (kg)	70,000 31,752	
	4.	Load Center	Distance	in (mm)	48 1,219	
	5.	Power Type	Gas, LPG, Or Diesel		Diesel	
	6.	Tire Type	Cushion, Pneumatic Front / Rear		Pneumatic / Pneumatic	
	7.	Wheels	Number (X = Driven) Front / Rear		4X / 2	
DIMENSIONS	8.	Upright Lift	Standard Lift (Top Of Fork)	in (mm)	161 4,089	
	9.	Forks	Thickness	in (mm)	5 127	
	9.A		Width	in (mm)	12 1,524	
	9.B		Length	in (mm)	96 2,438	
	10.		Tilt Angle	Standard Upright - Forward / Backward	deg.°	10 / 12
	11.	Overall Dimensions	Length To Face Of Forks	in (mm)	276.5 7,023	
	12.		Width (Standard Tires)	in (mm)	134.5 3,416	
	13.		Height, Standard Upright Lowered	in (mm)	176 4,470	
	14.		Height, Standard Upright Extended	in (mm)	254 6,452	
	15.		Height To Top Of Counterweight	in (mm)	76 1,930	
	16.		Height To Top Of Cab	in (mm)	154 3,912	
	17.	Turning Radius	Minimum Outside	in (mm)	262 6,655	
	17.A		Minimum Inside	in (mm)	28.7 729	
		18.	Load Distance	Center of Wheel To Face Of Forks	in (mm)	45.5 1,156
		19.	Aisle Width	(Add Load Length For 90° Stacking)	in (mm)	306.5 7,785
	PERFORMANCE	20.	Stability	Comply With ANSI?		Yes
		21.	Speeds	Travel Speed - Maximum Forward	mph (km/h)	15.7 25.3
		22.		Lift Speed - No Load	fpm (m/s)	48 0.24
		22.A		Lift Speed - With Load	fpm (m/s)	42 0.21
23.		Lowering Speed - No Load / With Load		fpm (m/s)	Adjustable	
24.		Drawbar Pull	Powershift (Maximum At Stall)	lb (kN)	33,430 149	
25.		Gradeability	Powershift (Maximum At Stall) No Load	%	29.5	
25.	Powershift (Maximum At Stall) With Load		%	20		
WEIGHT	26.	Ttl. Apprx. Wt.	Standard Truck	lb (kg)	96,650 43,840	
	27.	Axle Loading	Static With Rated Load - Front	lb (kg)	152,060 68,974	
	27.A		Static With Rated Load - Rear	lb (kg)	14,590 6,618	
	27.B		Static With No Load - Front	lb (kg)	48,000 21,773	
	27.C		Static With No Load - Rear	lb (kg)	48,650 22,068	
WHEELS / TIRES	28.	Tires	Number - Front / Rear		4 / 2	
	29.		Size - Front		16.00 x 25 - 28 PR	
	30.		Size - Rear		16.00 x 25 - 28 PR	
	31.	Wheelbase	Distance	in (mm)	190 4,826	
	32.	Tread	Center Of Outside (Dual) Tires - Front	in (mm)	117.7 2,990	
	32.A		Center Of Tires - Rear	in (mm)	103 2,616	
	33.	Ground Clearance	No Load At Lowest Point	in (mm)	12 305	
	34.		No Load At Center Of Wheelbase	in (mm)	19.4 493	
	35.	Brakes	Service / Parking - Method Of Control		Foot / Hand	
	36.		Service / Parking - Method Of Operation		Air / Spring	
POWER UNIT / XMSN	37.	Battery	Volts / Ampere Hours (2 Batteries)	V/Ah	12 / 2300	
	38.	Internal Combustion Engine	Make / Model		Cummins QSC8.3-C230	
	39.		Output - Intermittent Per SAE Standards	hp (kW)	230 172	
	40.		Governed Speed - With Load	rpm	2200	
	41.		Cycle / Number Of Cylinders / Displacement	cu in (L)	4 / 6 / 506 4 / 6 / 8.3	
	42.	Clutch	Type		Declutch	
	43.	Gear Change	Type		Hand	
	44.	Transmission	Number Of Speeds - Forward / Reverse		3 / 3	
	45.		Type		Powershift	
	46.	Relief Press.	For Attachments	psi (bar)	1,500 103	
47.		Width Across Counterweight	in (mm)	120 3,048		
48.		Standard Fork Spread	in (mm)	120 3,048		
49.		Ground To Top Of Carriage	in (mm)	71 1,803		
50.		Load Moment	in-lbs (m-kg)	6,545,000 75,584		

† NOTE: Performance specifications are for trucks equipped as described on back page of this specification sheet. Performance specifications are affected by the condition of the vehicle, its components, and the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your Taylor sales representative.

“Big Red” T-700L

Mast Dimensions (inches / millimeters)						
	Optional Lift Height (8)		OAHL (13)		OAHR (14)	
	English	Metric	English	Metric	English	Metric
2-stage ULTRA-VU Telescopic Mast	161	4,089	176	4,470	254	6,452
	185	4,699	188	4,775	278	7,061
	221	5,613	206	5,232	314	7,976



“Big Red” T-700L

Engine

Cummins QSC8.3-C230, 6-cylinder electronic turbocharged, charge air after cooled (air to air) diesel engine has 506 cu-in. (8.3 L) displacement, 4.49-in. (114 mm) bore x 5.31-in. (135 mm) stroke. Rated power 230-hp (172 kW) at 2200 rpm (all engine ratings are based on SAE standard ambient conditions). Maximum power of 250-hp (186 kW) at 2000 rpm. Peak torque is 800 ft-lbs. (1,085 N-m) at 1500 rpm. Emission certification: US EPA Tier III, Carb Tier III, EU Stage III.

Standard features are electronic diagnostic, maintenance monitor, fuel/water separator, engine/transmission protection system, fuel economy and reduced emissions.

Fuel tank capacity is 60 gallons (227 L).

Air Cleaner

The dry air cleaner has a safety element and restriction indicator.

Cooling System

The coolant-recovery cooling system has an extra large down flow radiator for maximum efficiency. The wide fin spacing reduces dirt build-up and provides optimum engine cooling.

Electrical, Instrumentation, and Accessories

The one-piece, flip-down, instrument panel is pre-wired to accommodate heavy-duty accessories. Mechanical pressure gauges, electrical temperature gauges, and reset circuit breakers. 12-volt electrical system; key-type anti-restart ignition system. All wiring is color coded.

Standard equipment includes two heavy-duty batteries, 100-amp alternator, lighted instruments, worklights (two front, two rear), key-switch actuated amber strobe light, reverse-actuated warning alarm, rear view mirrors, air horn and tilt steering.

Gauges included are fuel level, hourmeter, air pressure, engine oil pressure, engine coolant temperature, transmission oil pressure, and transmission oil temperature. Lights included are seat belt light, low air light, parking brake light, and step lights.

Transmission

The three-speed, fully reversing, modulated, powershift transmission has declutch and electric shift control. Brakes behind declutch. The filler pipe dipstick and large, heavy-duty, oil filter are easily accessible. Separate air-to-oil cooler. The integrally built torque converter has constant mesh gear sets actuated by hydraulic clutch packs. An automatic powershift control is standard.

Drive Axle

The heavy-duty planetary type housing is welded to frame.

Steer Axle

The single cylinder design steer axle has tapered wheel and kingpin bearings. All joints are fully sealed, can be lubricated, and never need adjusting. An automatic powershift control is standard.

Brake System

The force cooled, wet disc, service brakes are air / hydraulic actuation on drive axle. The transmission is equipped with a spring applied drum brake for parking.

Chassis

The all welded frame has an integral, sloped, counterweight and tubular A-frame. Spring assisted hood and hinged doors provide easy access to service points.

The canopy is integral with the operator base. While the center mount operator station is standard, other locations are optional. The tinted, unbreakable Lexan top with steel crossbars provides maximum visibility and protection. The suspension seat with an operator seat belt is adjustable.

Hydraulic System

The large capacity hydraulic tank has a spin-on tank breather, suction strainers, return line filters, and replaceable elements in the tank. The hydraulic system utilizes transmission-driven gear type pumps. The tank refill capacity is 72 gallons (273 L). The tilt lock valve prevents mast drift and reduces torsional stress. Dual lift cylinders have chrome-plated rods and self-adjusting packing. Control levers are conveniently located. Valves are controlled with hydraulic remotes.

Mast, Carriage, and Rollers

The 13-ft. (3.96 m) ULTRA-VU telescopic, nested-channel mast with two multiple-leaf lift chains, is constructed of high-strength steel for minimum weight and maximum visibility. Lifting eyes are standard. Bolt-on caps permit safe, easy removal of the mast. The lift chains are located between the mast rails and are visible.

The “C” carriage is pin-type, high strength-to-weight ratio. Fully adjustable from 120-in. (3,048 mm) outside to 2-in. (51 mm) inside forks.

Main rollers and chain rollers have shielded, tapered, roller bearings. Carriage side wear pads are adjustable to compensate for wear. All rollers can be lubricated.

Forks

Forks are hammer forged from heat treated alloy steel. 5-in. (127 mm) thick x 12-in. (305 mm) wide x 96-in. (2,438 mm) long.

This vehicle is certified to meet the applicable design and performance criteria required for Powered Industrial Trucks in OSHA Safety and Health Standards, Title 29 CFR, Part 1910.178, and the applicable design and performance requirements in ANSI B56.1 that were in effect at the time of manufacture. These standards also apply to the user and should be adhered to while operating this vehicle.

All specifications are subject to change without notice. Some operating data may be affected by the condition of the operating area. If these specifications are critical, contact the factory.