



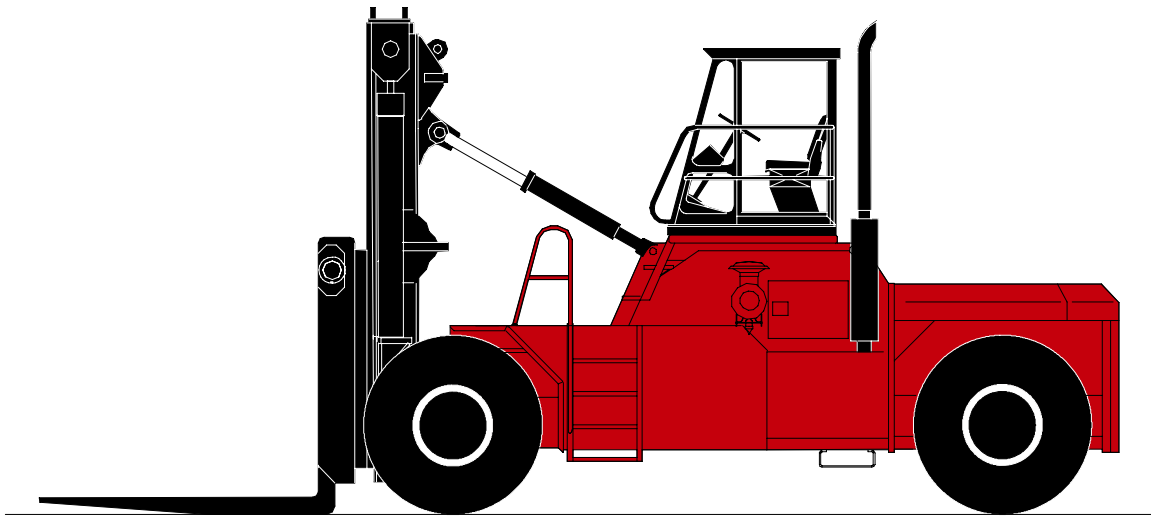
“Big Red” TE-800S

Taylor Industrial Truck Standard Specifications

Rated Capacity 80,000-lbs. (36,288 kg)

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

190-in. (4,826 mm) Wheelbase



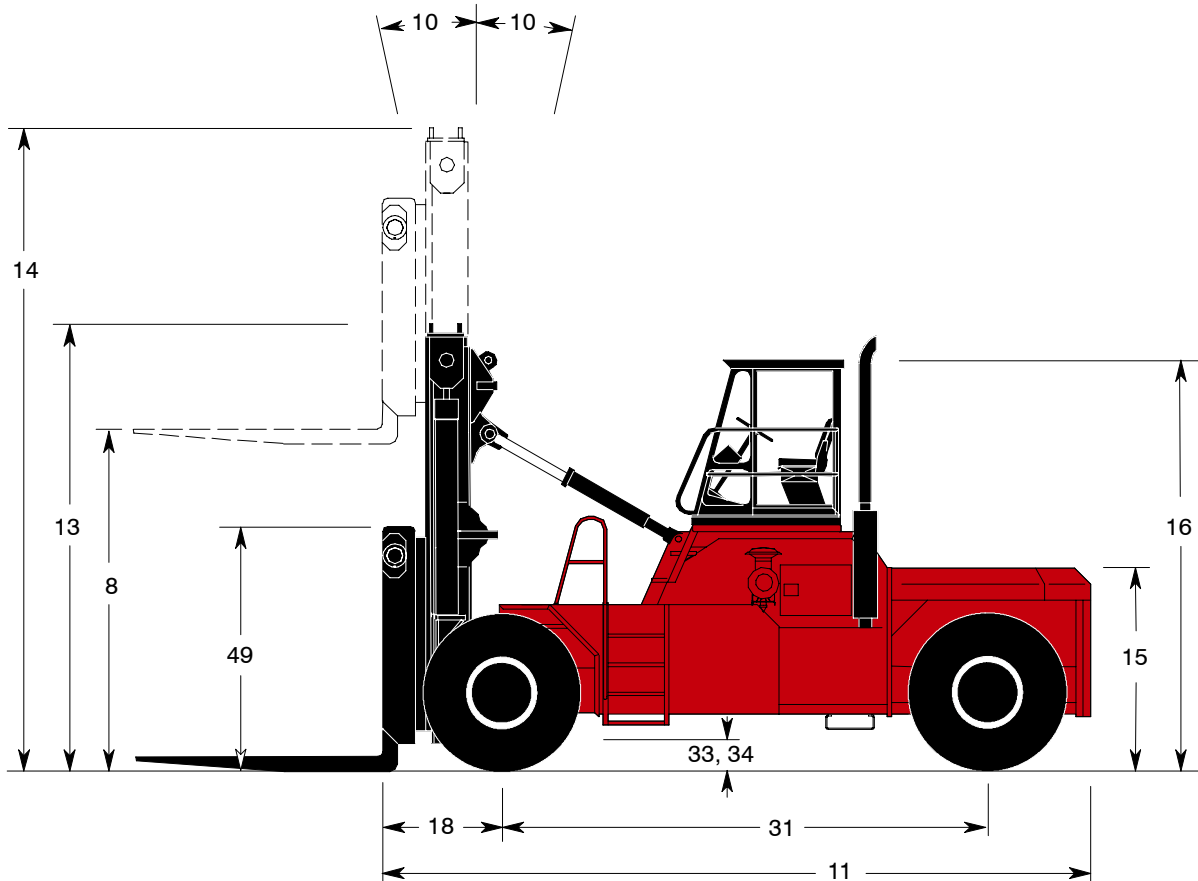
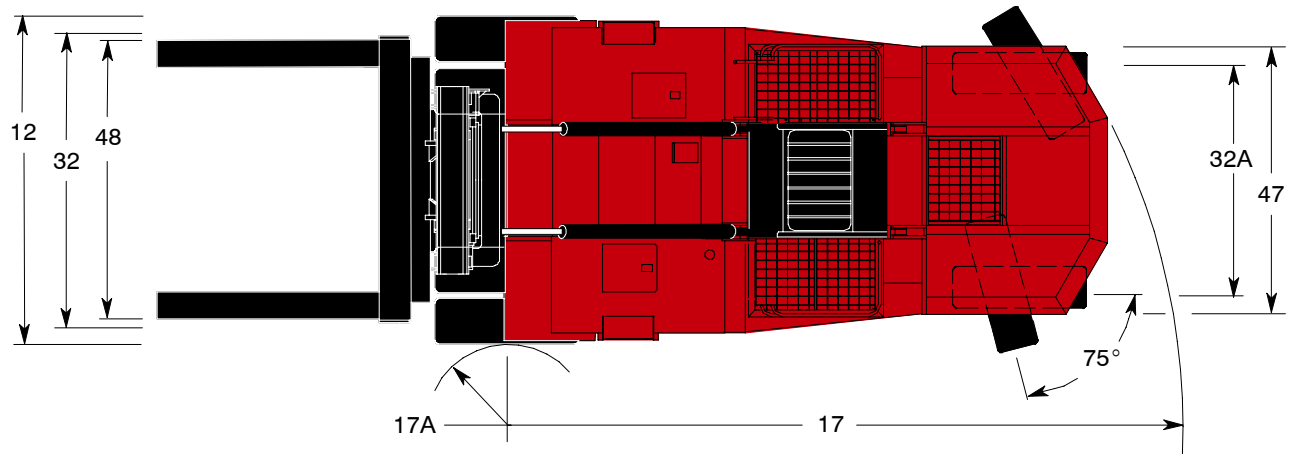
"Big Red" TE-800S

GENERAL	1	Manufacturer	Manufacturer's Name	TAYLOR		
	2	Model	Manufacturer's Designation	TE-800S		
				English	Metric	
	3	Capacity	Rated Capacity	lb (kg)	80,000 36,288	
	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)	138 3,505	
	9	Forks	Thickness	in (mm)	6 152	
	9A		Width	in (mm)	12 305	
	9B		Length	in (mm)	96 2,438	
	10		Tilt Angle	Standard Upright - Forward / Backward	deg.°	11 / 11
	11	Overall Dimensions	Length To Face Of Forks	in (mm)	285 7,239	
	12		Width (Standard Tires)	in (mm)	147.5 3,746	
	13		Height, Standard Upright Lowered	in (mm)	173 4,394	
	14		Height, Standard Upright Extended	in (mm)	239 6,071	
	15		Height To Top Of Counterweight	in (mm)	81 2,057	
	16		Height To Top Of Overhead Guard / Cab	in (mm)	162 4,115	
	17	Turning Radius	Minimum Outside	in (mm)	265 6,731	
	17A		Minimum Inside	in (mm)	22 559	
	18	Load Distance	Center of Wheel To Face Of Forks	in (mm)	52 1,321	
	19	Aisle Width	(Add Load Length For 90° Stacking)	in (mm)	317 8,051	
	PERFORMANCE	20	Stability	Comply With ANSI?		Yes
		21	Speeds	Travel Speed - Maximum Forward	mph (km/h)	14 22.5
		22		Lift Speed - No Load	fpm (m/s)	41 0.21
		22A		Lift Speed - With Load	fpm (m/s)	39 0.20
23		Lowering Speed - No Load / With Load		fpm (m/s)	Adjustable	
24		Drawbar Pull	Powershift (Maximum At Stall)	lb (kN)	41,442 184	
25		Gradeability	Powershift (Maximum At Stall) No Load	%	34.6	
25A	Powershift (Maximum At Stall) With Load		%	19		
WEIGHT	26	Ttl. Apprx. Wt.	Standard Truck	lb (kg)	121,000 54,886	
	27	Axle Loading	Static With Rated Load - Front	lb (kg)	183,105 83,056	
	27A		Static With Rated Load - Rear	lb (kg)	17,894 8,117	
	27B		Static With No Load - Front	lb (kg)	61,000 27,670	
	27C		Static With No Load - Rear	lb (kg)	60,000 27,216	
WHEELS / TIRES	28	Tires	Number - Front / Rear		4 / 2	
	29		Size - Front		18.00 x 25 - 32 PR	
	30		Size - Rear		18.00 x 25 - 32 PR	
	31	Wheelbase	Distance	in (mm)	190 4,826	
	32	Tread	Center Of Outside (Dual) Tires - Front	in (mm)	127.5 3,238	
	32A		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)	- -	
	35	Brakes	Service / Parking - Method Of Control		Foot / Hand	
	36		Service / Parking - Method Of Operation		Air / Spring	
POWER UNITS / XMSN	37	Battery	Volts / Ampere Hours (2 Batteries)	V/Ah	12 / 2800	
	38	Internal Combustion Engine	Make / Model		Cummins QSM11-C335	
	39		Output - Intermittent Per SAE Standards	hp (kW)	335 250	
	40		Governed Speed - With Load	rpm	2100	
	41		Cycle / Number Of Cylinders / Displacement	cu in (L)	4 / 6 / 660 4 / 6 / 10.8	
	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)	1500 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)	99 2,515		
50		Load Moment	in-lbs (m-kg)	8,000,000 92,172		

† NOTE: Performance specifications are for trucks equipped as described on the 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" TE-800S

Mast Dimensions (inches / millimeters)	Optional Lift Height (8)		OAHL (13)		OAGR (14)	
	English	Metric	English	Metric	English	Metric
	138	3,505	173	4,394	239	6,071
162	4,115	185	4,699	263	6,680	
186	4,724	197	5,004	287	7,290	
222	5,639	215	5,461	323	8,204	
366	9,296	287.5	7,302	467.5	11,874	
396	10,058	302.5	7,684	497.5	12,636	



“Big Red” TE-800S

Engine

Cummins QSM11-C335 electronic turbocharged, charged air aftercooled (air to air) diesel engine. Rated power of 335-hp (250 kW) at 2100 rpm. Maximum power of 365-hp (272 kW) at 1800 rpm. The 4-cycle in-line 6 cylinder engine has 660 cubic in. (10.8 liter) displacement. The bore is 4.92 in. (125 mm) x 5.79 in. (147 mm) stroke. Peak torque is 1235 ft.-lbs (1674 N-m) at 1400 rpm (SAE J1349). This peak torque is maintained from 1000 to 1400 rpm.

Emission certification: US EPA Tier III, Carb Tier III, EU Stage III.

The fuel tank capacity is 135 gallons (511 L).

Air Cleaner

The 2-stage, heavy-duty, dry air cleaner with restriction indicator is easily serviced.

Cooling System

Deaeration tank, with sight gauge for checking coolant level, provides optimum engine cooling.

Electrical, Instrumentation, and Accessories

The one-piece instrument panel flips down for easy servicing and is pre-wired to accommodate heavy-duty accessories. All wiring is color coded.

The unit has a 12-volt electrical system, key-type, anti-restart ignition system, two 220 amp-hour batteries, 160-amp alternator, main battery disconnect switch, mechanical pressure gauge, electrical temperature gauges, thermal reset circuit breakers, lighted instruments.

Included as standard are six worklights (four front, two rear), rear-view mirror, horn, key-switch actuated amber strobe light, reverse-actuated warning alarm, 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 Tier III engine electronic diagnostic light package.

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 a hydraulic clutch pack.

Drive Axle

The heavy-duty planetary axle housing is bolted to the frame. Hypoid ring gear and pinion with differential gearing.

Steer Axle

The single hydraulic cylinder design steer axle, with heavy-duty links from the cylinder ram directly to tapered roller bearing mounted spindles, has tapered wheel and kingpin bearings. All joints are sealed, can be lubricated, and never need adjusting.

Brake System

Force cooled, wet disc, air over hydraulic actuated, service brakes. Wheel brakes are supplemented by an additional drive line brake which is spring applied for parking.

Power Steering

The hydrostatic steering system provides excellent response at all engine speeds.

Chassis

The all-welded frame has an integral sloped counterweight and tubular pinned A-frame. Hinged doors provide easy access to service points. The elevated center mount operator and overhead guard w/2 door cab, 25,000 BTU heater, front and rear windshield wipers, dome light, tinted windows, and one fan tilts forward to aid in engine removal. The adjustable vynal covered mechanical suspension seat with flip-down, adjustable arm rests and orange seat belt.

Hydraulic System

The large capacity hydraulic tank has a spin-on tank breather, dual wire-mesh strainers, and a full-flow 10-micron return-line filter with a replaceable element in the tank. The filter condition indicator is mounted on the instrument panel. The tank refill capacity is 195 gallons (738 L).

The gear-type pumps are converter driven. Control valves are separate, stacked, spool-type. The tilt-lock valve prevents mast drift and torsional stress.

The self-aligning, bearing-mounted, lift cylinders have chrome plated rods and self-adjusting packing. The control levers are conveniently located. The valves are controlled with hydraulic remotes.

Mast, Carriage, and Rollers

The 11-ft. (3.4 m) ULTRA-VU mast provides outstanding forward vision through the mast assembly. Two double-acting lift cylinders are located outside of mast rails. Tilt cylinders are double-acting with an anti-cavitation feature. Lift and tilt cylinder rods are chrome plated. Tilt cylinders have adjustable ears. Roller pressures are minimized by the use of widely spaced, full face load rollers. The side rollers are adjustable. Main and side rollers can be re-lubricated. Contact factory for lift chain location.

The pin-type “C” carriage has high strength-to-weight-ratio; fully adjustable from 120-in. (3,048 mm) outside to 3-in. (76 mm) inside forks.

Forks

The pin-mounted, square tip and bottom tapered forks are forged from heat treated steel. Size: 6-in. thick x 12-in. wide x 96-in. long. (152 mm x 305 mm x 2,438 mm).

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.