



"Big Red"

TX-160 / TX-175

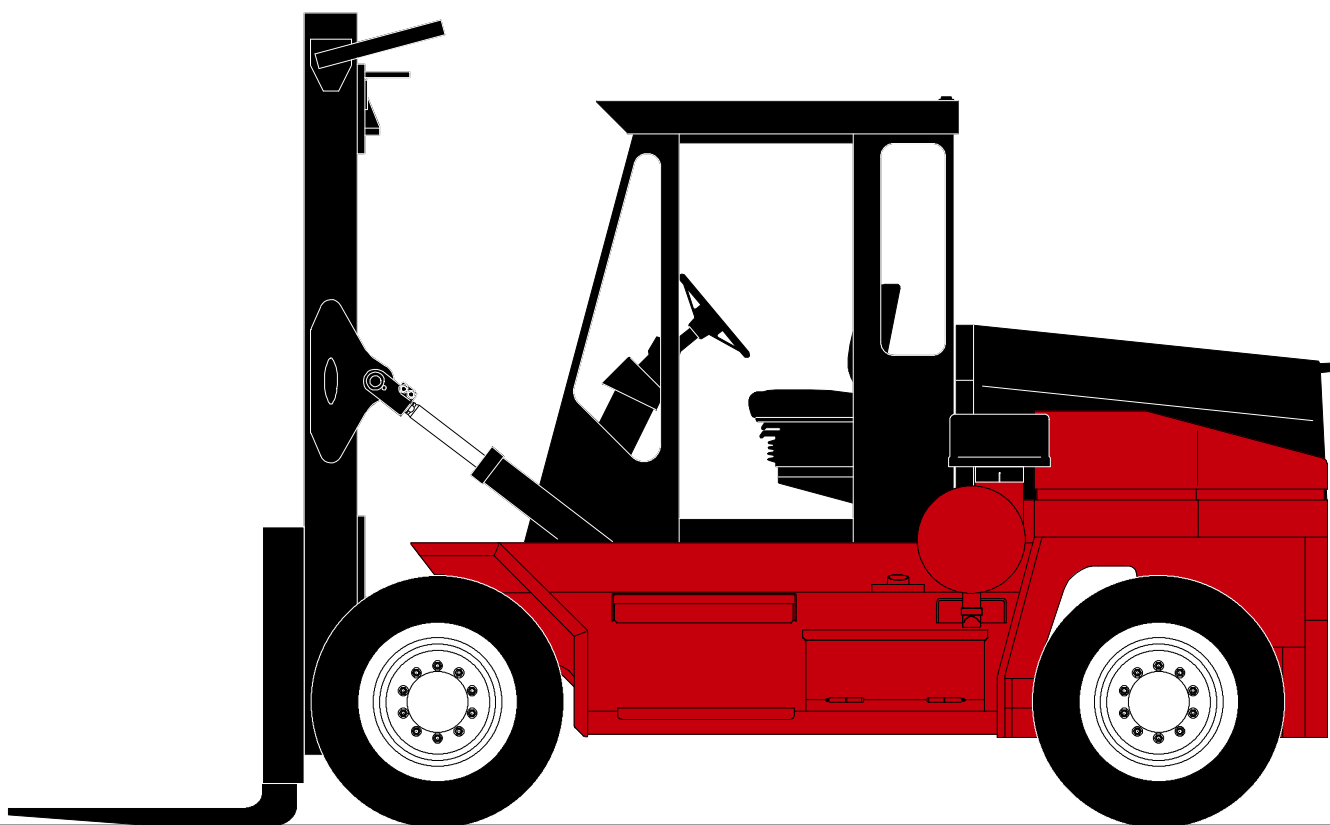
**Taylor Industrial Trucks
Preliminary Specifications**

TX-160 Rated Capacity 16,000-lbs. **(7,258 kg)**

TX-175 Rated Capacity 17,500-lbs. **(7,938 kg)**

24-in. **(610 mm)** Load Center

97-in. **(2,464 mm)** Wheelbase



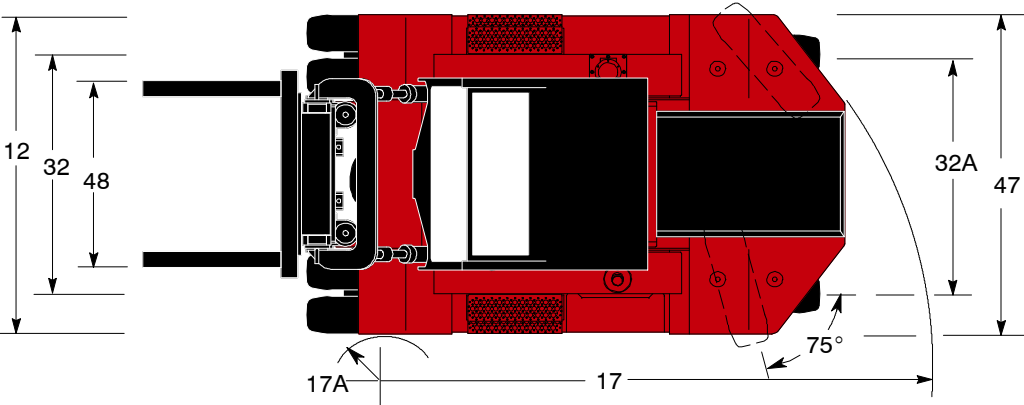
"Big Red" TX-160 / TX-175

GENERAL	1.	Manufacturer	Manufacturer's Name	TAYLOR		TAYLOR	
	2.	Model	Manufacturer's Designation	TX-160		TX-175	
				English	Metric	English	Metric
	3.	Capacity	Rated Capacity lb (kg)	16,000	7,258	17,500	7,938
	4.	Load Center	Distance in (mm)	24	610	24	610
DIMENSIONS	5.	Power Type	Gas, LPG, Or Diesel	Diesel		Diesel	
	6.	Tire Type	Cushion, Pneumatic Front / Rear	Pneumatic / Pneumatic		Pneumatic / Pneumatic	
	7.	Wheels	Number (X = Driven) Front / Rear	4X / 2		4X / 2	
	8.	Upright Lift	Standard Lift (Top Of Fork) in (mm)	134.5	3,416	134.5	3,416
	9.	Forks	Thickness in (mm)	2.5	64	2.5	64
	9.A		Width in (mm)	6	152	6	152
	9.B		Length in (mm)	48	1,219	48	1,219
	10.	Tilt Angle	Standard Upright - Forward / Backward deg. °	10 / 10		10 / 10	
	11.	Overall Dimensions	Length To Face Of Forks in (mm)	144	3,658	144	3,658
	12.		Width (Standard Tires) in (mm)	82.8	2,103	82.8	2,103
	13.		Height, Standard Upright Lowered in (mm)	109	2,769	109	2,769
	14.		Height, Standard Upright Extended in (mm)	175	4,445	175	4,445
	15.		Height To Top Of Counterweight in (mm)				
	16.		Height To Top Of Guard in (mm)	108.5	2,756	108.5	2,756
	17.	Turning Radius	Minimum Outside in (mm)	140.25	3,562	140.25	3,562
	17.A		Minimum Inside in (mm)	12.7	323	12.7	323
	18.	Load Distance	Center Of Wheel To Face Of Forks in (mm)	24	610	24	610
	19.	Aisle Width	(Add Load Length For 90° Stacking) in (mm)				
PERFORMANCE	20.	Stability	Comply With ANSI?	Yes		Yes	
	21.	Speeds	Travel Speed - Maximum Forward mph (km/h)	14.8	23.8	14.8	23.8
	22.		Lift Speed - No Load fpm (m/s)	76	.39	76	.39
	22.A		Lift Speed - With Load fpm (m/s)	74	.38	74	.38
	23.		Lowering Speed - No Load / With Load fpm (m/s)	Adjustable		Adjustable	
	24.	Drawbar Pull	Powershift (Maximum At Stall) lb (kN)	14,360	64	14,360	64
	25.	Gradeability	Powershift (Maximum At Stall) No Load %	27.9		27.6	
WHEELS / TIRES	25.A		Powershift (Maximum At Stall) With Load %	39.8		39.5	
	26.	Ttl. Apprx. Wt.	Standard Truck lb (kg)	21,500	9,752	23,000	10,433
	27.	Axle Loading	Static With Rated Load - Front lb (kg)	34,000	15,422	36,700	16,647
	27.A		Static With Rated Load - Rear lb (kg)	3,500	1,588	3,800	1,724
	27.B		Static With No Load - Front lb (kg)	10,100	4,581	10,500	4,763
	27.C		Static With No Load - Rear lb (kg)	11,400	5,171	12,500	5,670
	28.	Tires	Number - Front / Rear	4 / 2		4 / 2	
	29.		Size - Front	8.25 x 15 - 14 PR		8.25 x 15 - 14 PR	
	30.		Size - Rear	8.25 x 15 - 14 PR		8.25 x 15 - 14 PR	
	31.	Wheelbase	Distance in (mm)	97	2,464	97	2,464
POWER UNITS / XMSN	32.	Tread	Center Of Outside (Dual) Tires - Front in (mm)	73	1,854	73	1,854
	32.A		Center Of Tires - Rear in (mm)	64.5	1,638	64.5	1,638
	33.	Ground Clearance	No Load At Lowest Point in (mm)	8	203	8	203
	34.		No Load At Center Of Wheelbase in (mm)	10.25	260	10.25	260
	35.	Brakes	Service / Parking - Method Of Control	Foot / Hand		Foot / Hand	
	36.		Service / Parking - Method Of Operation	Hyd / Spring		Hyd / Spring	
	37.	Battery	Volts / Ampere Hours (1 Battery) V/Ah	12 / 1000		12 / 1000	
	38.	Internal Combustion Engine	Make / Model	Cummins QSB4.5-C110 Tier III		Cummins QSB4.5-C110 Tier III	
	39.		Output - Intermittent Per SAE Standards hp (kW)	110	82	110	82
	40.		Governed Speed - With Load rpm	2200		2200	
	41.		Cycle / Number Of Cylinders / Displacement cu-in (L)	4 / 4 / 275	4 / 4 / 4.5	4 / 4 / 275	4 / 4 / 4.5
	42.	Clutch	Type	Inching		Inching	
	43.	Gear Change	Type	Hand		Hand	
	44.	Transmission	Number Of Speeds - Forward / Reverse	3 / 3		3 / 3	
	45.		Type	Powershift		Powershift	
	46.	Relief Pressure	For Attachments psi (bar)	2,000	138	2,000	138
	47.		Width Across Counterweight And Front Fenders in (mm)	83	2,108	83	2,108
	48.		Standard Fork Spread in (mm)	60	1,524	60	1,524
	49.		Ground To Top Of Carriage in (mm)	41.5	1,054	41.5	1,054
	50.		Load Moment in-lbs (m-kg)	768,000	8,849	840,000	9,678

† 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.

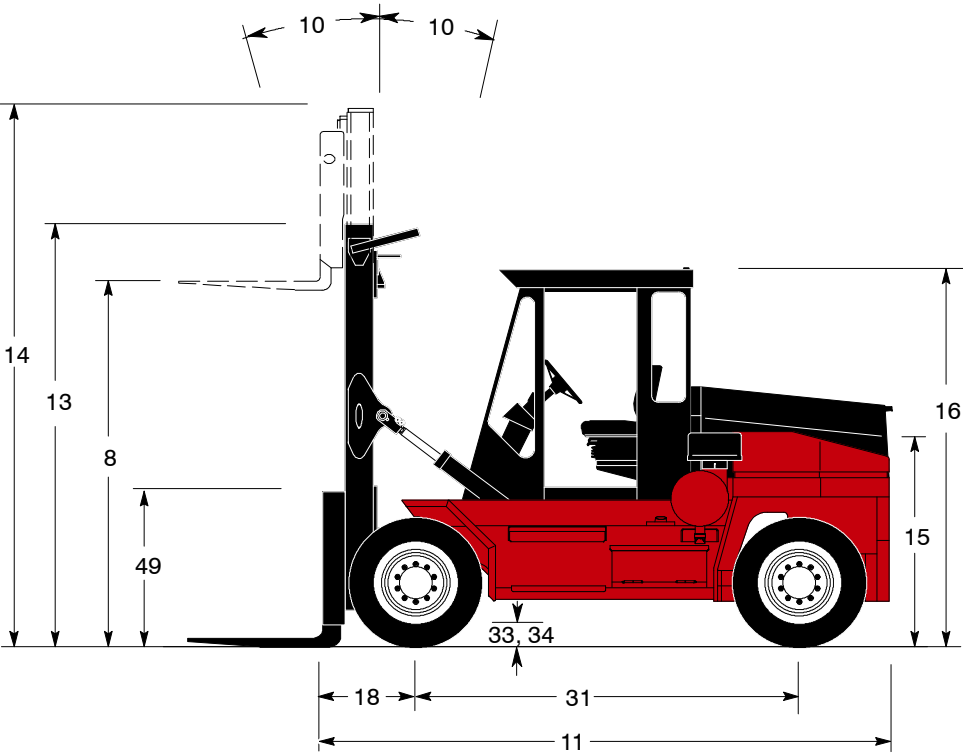
“Big Red” TX-160 / TX-175

2-Stage ULTRA-VU Telescopic Mast	Optional Lift Height (8)*		OAHL (13)		OAHR (14)	
	English	Metric	English	Metric	English	Metric
	134.5	3,416	109	2,767	175	4,445
*Includes Fork Thickness	158.5	4,026	121	3,073	199	5,055
	182.5	4,636	133	3,378	223	5,664
	218.5	5,550	151	3,835	259	6,579



Engine
Cummins QSB4.5-C110 TPEM electronic turbocharged, charge air aftercooled (air to air) 4-cylinder diesel engine has 275 cu-in. (4.5 L) displacement. 4.21-in. (107 mm) bore x 4.88-in. (124 mm) stroke. Rated power of 110 (82 kW) horsepower at 2200 RPM. Maximum power of 115 horsepower (86 kW) at 2000 rpm. Peak torque 360 ft-lbs. (488 N-m) at 1500rpm. (SAE J1995 Conditions). Engine is equipped with engine and transmission protection systems. Emission certification: US EPA Tier III, Carb Tier III, EU Stage III.

Standard features for engine are electronic diagnostic and maintenance monitor and fuel/water separator.
The fuel tank capacity is 30.5 gallons (115 L).



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Air Cleaner

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

Cooling System

The conventional top / bottom tank radiator has wide fin spacing to reduce dirt build-up and provide optimum engine cooling. Cooling includes engine charge air cooler, engine coolant air cooler, transmission oil air cooler, and a separate wet disc and hydraulic oil air cooler. Each can be serviced separately.

Electrical, Instrumentation, and Accessories

The one-piece instrument panel is pre-wired to accommodate heavy-duty accessories. All wiring is color and number coded.

The unit has a 12-volt electrical system with circuit breakers. Standard equipment includes a key-type anti-restart ignition switch system, 130-amp alternator, heavy-duty battery, electric fuel gauge, lighted display, electric horn, keyswitch-actuated amber strobe light, forward alarm and a reverse-actuated warning horn.

Display indicates functions for seat belt, engine oil pressure, parking brake, battery indicator, and Tier III engine electronic diagnostic light package.

The unit has tilt steering and rear view mirrors.

All machine controls are Taylor Integrated Control Systems (TICS) using J1939 CANbus technology. This allows controllers and sensors to communicate with minimal wiring between the components. I/O modules are used to eliminate electromechanical relay devices and add reliability to the machine control system. J1939 CAN bus technology allows all machine data to be accessed through the main color display located in the cab. This display shows engine data along with warnings, and man/ machine interface data. The display allows service personnel to access data needed during troubleshooting (such as sensor status and controller outputs). Machine functions can be tuned through the main display in the cab. Tuning functions are password protected to prevent operator access.

Transmission

The three-speed, fully reversing, modulated powershift transmission has inching, electric roll shift control, and a separate air-to-oil cooler. The filler pipe dipstick and large, heavy-duty oil filter are easily accessible. Automatic powershift (standard).

Drive Axle

The bolted heavy-duty planetary drive axle utilizes a hypoid ring gear and pinion. Positive rim mountings.

Steer Axle

The steer axle is a single hydraulic cylinder design with heavy-duty links from the cylinder ram directly to tapered roller bearing mounted spindles. Positive rim mountings.

Brake System

The internal force-cooled, hydraulic-actuated, wet disc, service brakes (and the hydraulic oil) are cooled by an air-to-oil cooler separate from the transmission cooler. The left pedal combines actuation of service brakes and transmission inching; the right pedal actuates the service brakes only. The parking brake control is mounted on the instrument panel.

Power Steering

The hydrostatic, steer-on-demand steering system provides constant response at all engine speeds.

Chassis

The all-welded frame has an integral counterweight. The hood slides on rollers. The center mount operator base with overhead guard, skyview window and dome light can be manually tilted over for service access. The adjustable, black vinyl covered air suspension seat with arm rest and orange seat belt is standard. The seat has $\pm 15^\circ / 20^\circ$ rotation.

Hydraulic System

The high-capacity hydraulic tank has a spin-on tank breather, wire-mesh strainers, and full-flow 10-micron return-line filters, with a replaceable element in the tank. Tank refill capacity is 25 gallons (95 L).

The hydraulic system utilizes a gear-type pump and sectional control valves. A tilt-lock valve reduces mast drift and torsional stress. The lift cylinders have self-adjusting packing. The standard joystick control lever is armrest mounted with multiple adjustments for operator comfort. One accessory valve section standard.

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 behind the mast beams. Tilt cylinders are double-acting with anti-cavitation feature. Lift and tilt cylinder rods are chrome plated and have self-adjusting packing. Tilt cylinders have adjustable ears. Lift chains are located between mast rails and are visible.

The 60-in. (1,524 mm) “C” type carriage has high strength-to-weight ratio; fully adjustable from 60-in. (1,524 mm) outside to 2-in. (51 mm) inside forks.

The mast and carriage main rollers are common and use greasable, tapered, roller bearings. Chain rollers use sealed ball bearings. Adjustable side bearings compensate for wear.

Forks

The pin-mounted forks are hammer forged from heat treated steel with increased thickness in critical heel sections. Size: 2.5-in. x 6-in. x 48-in. (64 mm x 152 mm x 1,219 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.

Note: Illustrations of equipment may sometimes show optional equipment not included on a standard model.



TX-160

Rated Capacity 16,000-lbs. (7,258 kg)

TX-175

Rated Capacity 17,500-lbs. (7,938 kg)

24-in. (610 mm) Load Center
97-in. (2,464 mm) Wheelbase



Optional equipment shown

MADE IN THE
U.S.A.

FAITH
EARTH

VISION
VISION

WORK
WORK

TX-160 TX-175

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Air Cleaner

The dry type air cleaner has a safety element, restriction indicator, and muffler with stack guard.

Cooling System

The conventional top/bottom tank radiator has wide fin spacing to reduce dirt build up and provide optimum engine cooling. Cooling includes engine charge air cooler, engine coolant air cooler, transmission oil air cooler, and a separate wet disc and hydraulic oil air cooler. Each can be serviced separately.

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