



## **“Big Red” TETCP-1100I**

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### **Loaded Trailer / Container Handler Standard Specifications**

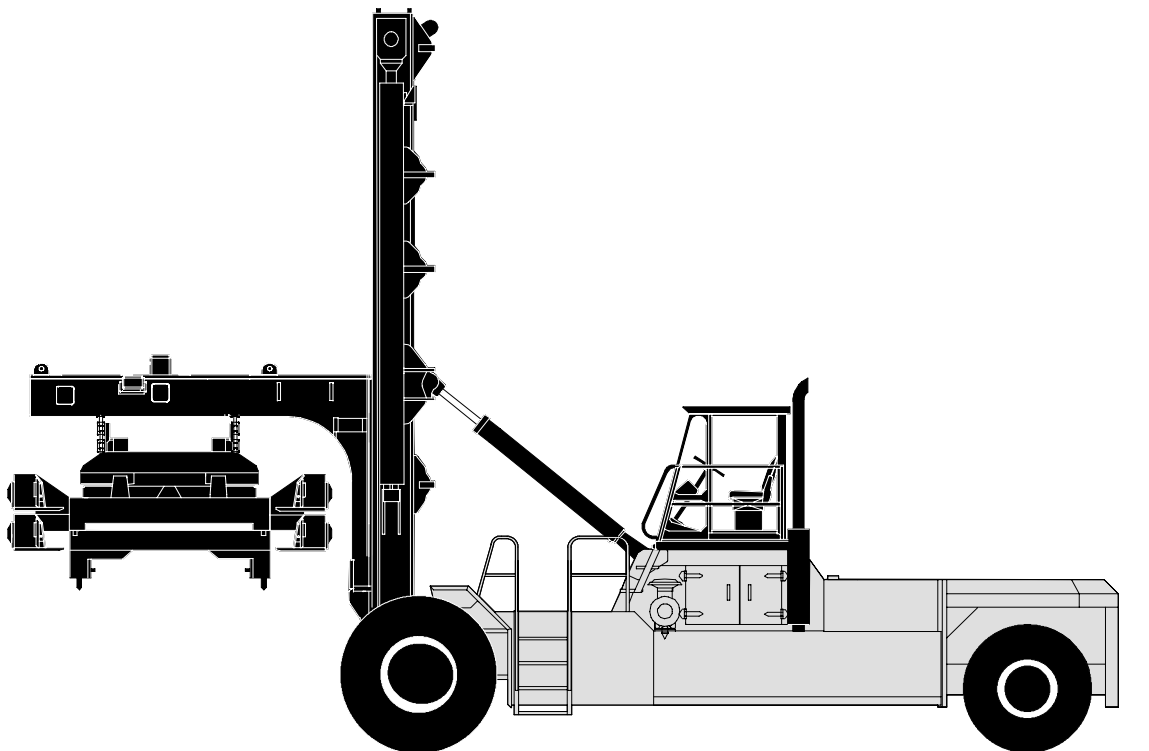
**ISO and WTP Container Capacity 80,000-lbs. (36,288 kg) / 3-high Stacking**

**Pin Container Capacity 67,200-lbs. (30,482 kg) / 2-high Stacking**

**Trailer Capacity 90,000-lbs. (40,824 kg)**

**127-in. (3,226 mm) Center Of Load**

**288-in. (7,315 mm) Wheelbase**

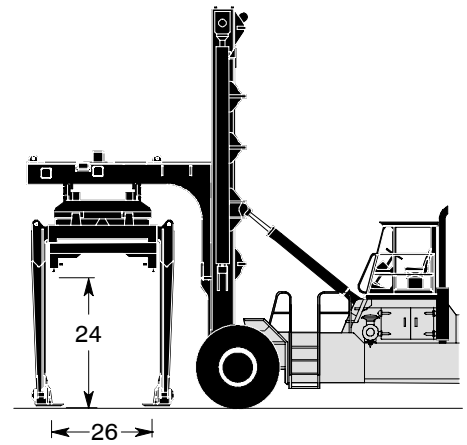
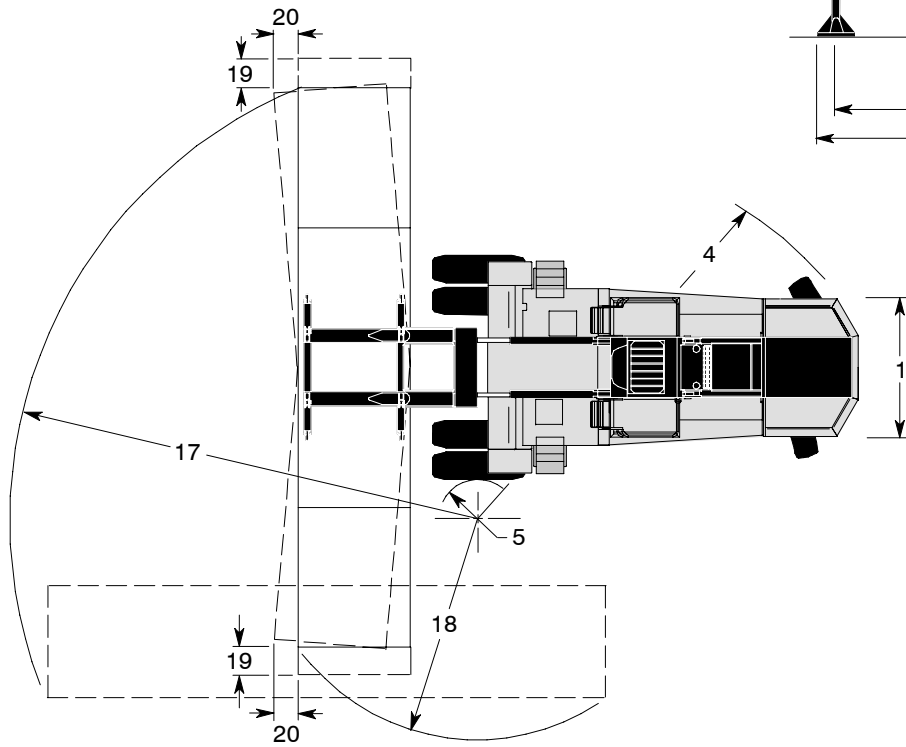
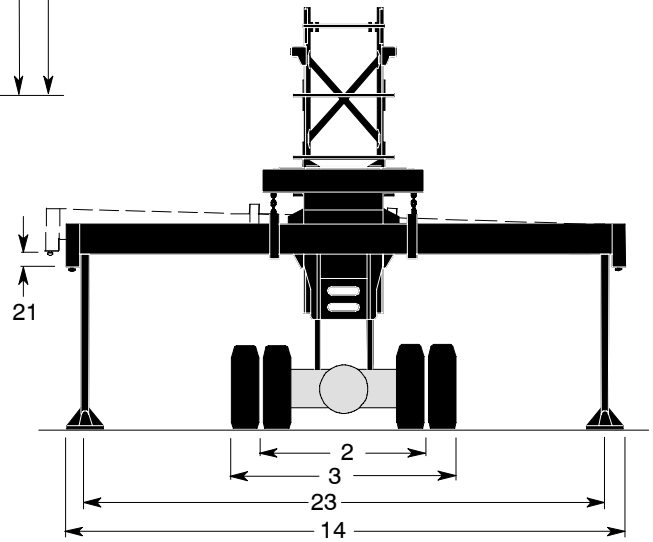
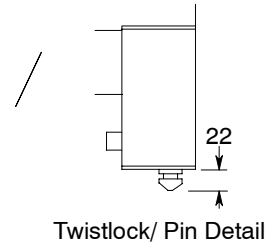
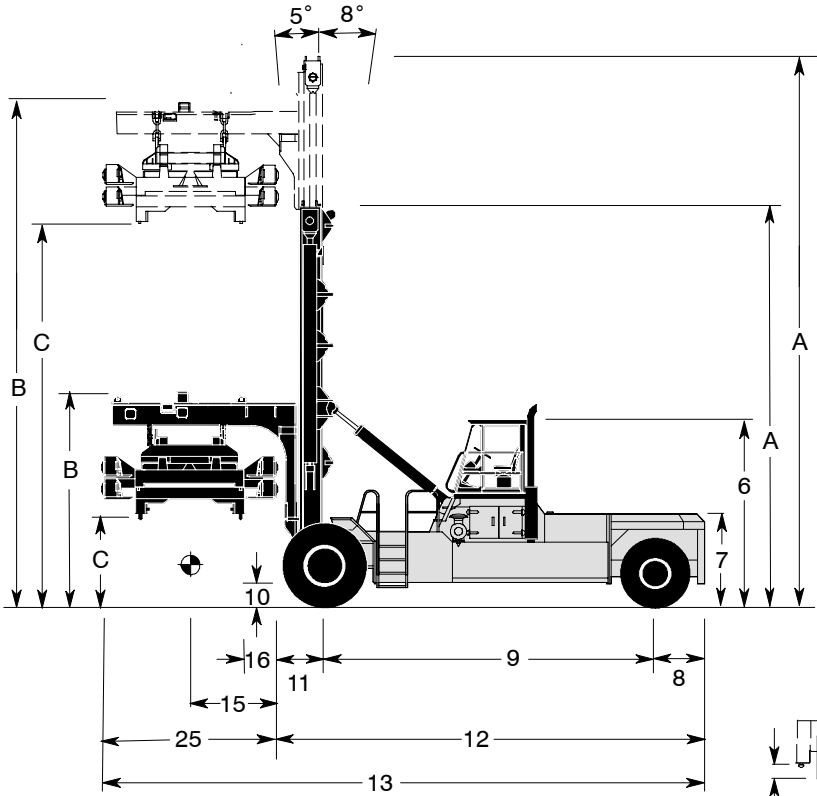


# “Big Red” TETCP-1100I Loaded Trailer / Container Handler

Manufacturer's Name		TAYLOR				
Manufacturer's Designation		TETCP-1100I Loaded Trailer / Container Handler				
		English		Metric		
Rated Lift Capacity	Trailer capacity At 127-in. (3,226 mm) Center Of Load (Center Of Axle To Center Of Load)	lb (kg)	90,000		40,824	
	ISO and WTP Container 3-high Stacking Capacity At 127-in.(3,226 mm) Center Of Load (Center Of Axle To Center Of Load)	lb (kg)	80,000		36,288	
	Pin Container 2-high Stacking Capacity At 127-in. (3,226 mm) Center Of Load (Center Of Axle To Center Of Load)	lb (kg)	67,200		30,482	
Load Moment With Attachment and 90,000-lb. (40,824-kg.) Trailer		in-lb (m-kg)	11,430,000		131,696	
Tractive Effort At Stall		lb (kN)	45,700		203	
Vehicle Weight - Empty	Drive Axle	lb (kg)	172,500		78,246	
	Steer Axle	lb (kg)	60,700		27,534	
Vehicle Weight - Loaded	Drive Axle	lb (kg)	302,200		137,078	
	Steer Axle	lb (kg)	21,000		9,526	
Gradeability At 0.9 Coef.	Empty	%	17.4			
	Loaded	%	12			
Grade Clearance	Center Of Truck	%	34			
	Rear Overhang	%	68			
Tires	Drive Axle		21.00 x 35 - 42 PR			
	Steer Axle		18.00 x 25 - 40 PR			
<b>Machine Dimensions</b>						
1 - Width Across Counterweight		in (mm)	120		3,048	
2 - Tread Width, Drive Axle		in (mm)	146.7		3,726	
3 - Width Over Drive Tires		in (mm)	198.8		5,050	
4 - Outside Turn Radius (Tailswing)		in (mm)	364		9,246	
5 - Inside Turn Radius		in (mm)	26		660	
6 - Height To Top Of Overhead Guard / Cab		in (mm)	164		4,166	
7 - Height To Top Of Counterweight		in (mm)	81		2,057	
8 - Steer Axle CL To Rear Of Counterweight		in (mm)	43		1,092	
9 - Wheelbase		in (mm)	288		7,315	
10 - Under Clearance (Drive Axle)		in (mm)	20		508	
11 - Drive Axle CL To Face Of Tire (E-4)		in (mm)	39.3		998	
12 - Overall Length To Face Of Tire (E-4)		in (mm)	370.3		9,406	
13 - Overall Length (To Front Leg)		in (mm)	528.5		13,424	
Operator Eye To Ground (Cab Elevated Center Mount)		in (mm)	154		3,912	
<b>Attachment Dimensions With An 8.5-ft. (2.6 m) Wide Trailer And Container</b>			<b>20-ft. (6.1 m) Container</b>		<b>40-ft. (12.2 m) Container</b>	
14 - Length Of Attachment (Nominal)	Expanded	in (mm)	480		12,192	
	Retracted	in (mm)	240		6,096	
15 - Face Of Tire To Center Of Load		in (mm)	87.7		2,228	
16 - Face Of Tire To Side Of 8.5-ft. (2.6 m) Wide Container/Trailer	Minimum	in (mm)	36.7		932	
	Maximum With 12-in. Reach	in (mm)	48.7		1,237	
17 - Turn Radius, Far Corner (Retracted)		in (mm)	300	7,620	403	10,236
18 - Turn Radius, Near Corner (Retracted)		in (mm)	175	4,445	209	5,309
19 - Sideshift ±		in (mm)	15		381	
20 - Slewing (± 6°) (12-in. Reach)		in (mm)	25	635	50	1,270
21 - Pile Slope, 3° End To End		in (mm)	12.5	318	25	635
22 - Length Of ISO Twistlock (Nominal)		in (mm)	4		102	
23 - Distance Between Lift Legs		ft/in (m)	16'	4.9	36' 1.5"	11.0
24 - Tip Of Twistlock To Trailer Lift Shoe Surface		in (mm)	124		3,150	
25 - Tire Face To Front Of Attachment		in (mm)	150.2		3,815	
26 - Leg To Leg Clamped		in (mm)	73		1,854	
Lift Shoe Size (Width x Length)		in (mm)	7 x 30		177.8 x 762	
<b>Travel And Lift Speeds</b>			<b>Empty</b>		<b>Loaded</b>	
Travel Speed (Max) - Forward And Reverse		mph (km/h)	14.2	22.8	12.2	19.6
Lift Speed (Max)		fpm (m/s)	40	0.2	40	0.2
<b>24-ft. (7.3 m) Mast Upright Dimensions</b>			<b>Minimum</b>		<b>Maximum</b>	
A - Height Of Mast	Carriage Lowered	in (mm)	285		7,239	
	Carriage Raised	in (mm)	429		10,897	
B - Height To Top Of Carriage		in (mm)	164.5	4,178	457.5	11,621
C - Height To Tip Of Twistlock		in (mm)	66	1,676	354	8,992

**NOTE:** Performance specifications are for machines 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" TETCP-1100I Loaded Trailer / Container Handler



# “Big Red” TETCP-1100I Loaded Trailer / Container Handler

## 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 125 gallons (473 L).

## Air Cleaner

The dry air cleaner is a 2-stage, heavy-duty cleaner that is easily serviced and it has a restriction indicator.

## Cooling System

The deaeration tank, with a sight gauge for checking coolant level, provides optimum engine cooling.

## Electrical, Instrumentation, and Accessories

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

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

Eight worklights (four front, two rear, two on the attachment), key-switch actuated amber strobe light, forward alarm, reverse-actuated warning alarm, rear-view mirror, air horn, and tilt steering are standard.

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.

All machine controls are integrated using solid state controllers and J1939 CAN bus 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, spreader status lights 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 air actuated declutch and electric shift control. The torque converter is engine-mounted. The transmission is remote mounted. Separate air-to-oil cooler. Constant-mesh gear sets are actuated by hydraulic clutch packs.

## Drive Axle

The high-stability, wide-stance, planetary drive axle's housing is bolted to the frame.

## Steer Axle

The single-cylinder steer axle design with tapered wheel and kingpin bearings is fully sealed and never needs adjusting.

## Brake System

The internal, force-cooled, wet disc, service brakes are air-actuated. The drive-line brake is spring applied for parking.

## Power Steering

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

## Chassis

The all-welded frame has an integral, sloped, counterweight. Hinged doors provide easy access to all service points. The elevated, center mount overhead guard tilts forward to aid in engine removal. The suspension seat with an operator seat belt is adjustable.

## Hydraulic System

The large capacity hydraulic tank has a spin-on tank breather, dual wire-mesh strainers, and full-flow, 10-micron, return-line filter with a replaceable element in the tank. The filter condition indicator is mounted on the instrument panel. Tank refill is 190 gallons (719 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 and electric remotes. An accumulator is standard.

## Mast, Carriage, and Rollers

The 24-ft. (7.3 m) ULTRA-VU mast provides the operator with maximum visibility. The telescopic, nested-channel mast has two multiple-leaf lift chains and is constructed of high-strength steel for minimum weight. Two lifting eyes and bolt-on caps permit safe, easy removal.

The carriage, slider beam, and attachment are constructed of high-strength steel and designed for maximum visibility. The slider beam design reduces the load on the attachment and attachment components while escalating duty cycle speeds.

Carriage side rollers are adjustable to compensate for wear. All rollers can be lubricated.

## Combination Trailer / ISO / Pin Type Container Attachment

Expandable, suspended-type trailer / container handling attachment for handling loaded 20' through 53' (6.1 m through 16.1 m) ISO and WTP-type containers in widths of 8' (2.4 m) and 8' 6" (2.6 m) with a maximum weight of 80,000-lbs.(36,288 kg) and pin type with maximum weight of 67,200-lb.(30,482 kg) containers, and trailers with a maximum weight of 90,000-lbs. (40,824 kg) Includes all hydraulics, electrical circuitry, and an electrical signal system for operation of the attachment. The attachment has 30-in. (762 mm) of side shift total, (15-in (381 mm) in each direction), 6° of slew on each end, 12-in. (305 mm) of reach on each side of the attachment, and 3° of powered pile slope. Containers more than 40' (12.2 m) long must have the standard 40' (12.2 m) ISO pickup points. Controls in the cab energize valves on the attachment to operate side shift, twistlocks / pins, expansion, left and right hand slew, pile slope, leg rotate, and leg clamp. A twistlock safety interlock system ensures correct locking procedure. Signal lights are amber, green, and red for both containers and trailers. Guide arms are not available.

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.