



TAYLOR MACHINE WORKS, INC.

# TXH SERIES

48-IN. LOAD CENTER MACHINES

you  
can  
depend  
on

*Big Red*



**TXH-370M\***

### TXH Series Models and Capacities

TXH-300L (30,000-lb. Cap. at 48" L.C., 148" WB)	TXH-350KS (35,000-lb. Cap. at 48" L.C., 148" WB)
TXH-300KS (30,000-lb. Cap. at 48" L.C., 148" WB)	TXH-370M (37,000-lb. Cap. at 48" L.C., 145" WB)
TXH-350L (35,000-lb. Cap. at 48" L.C., 148" WB)	TXH-400L (40,000-lb. Cap. at 48" L.C., 155" WB)

ENGINEERING DONE RIGHT THROUGH

**FAITH VISION WORK**

\*Featured truck is shown with available options.



# TXH SERIES

Taylor Machine Works was built on the premise, "We engineer and build what you need." This is just as true today as it was in 1927. We can design, engineer, and manufacture equipment tailored specifically to meet the material handling needs of your business.

Taylor Machine Works is acknowledged to be one of the top lift truck manufacturers in the world today, and reaffirming that reputation is the TXH Series of lift trucks.

**Optional mast choices available**  
Choose from different configurations to best fit your material handling needs

**TXH-300L through TXH-400L mast tilting**  
15° forward and 12° backward

**Overhead tilt cylinders**  
Less mast rail twisting than low mount tilt cylinder designs  
Greater mast stability

**Fender mounted forward facing work lights**  
option shown

**Heavy-duty carriage**  
Minimal maintenance and more resistant to dynamic/shock loads with rough terrain, high lift, and/or offset loads.  
Optional sideshift shown

**Pin mounted full width adjustable forks**  
Shown with optional fork positioning

**Mast mounted forward facing work lights**  
Standard



The TXH Series of lift trucks can boast 6 models to choose from, with lift capacities ranging from 30,000-lbs to 40,000-lbs at a 48" load center.

The TXH Series features the most dependable and diverse assortment of mast and carriages in its class. Known for their innovative design, these masts give you the confidence in knowing it will work every time you need it. Even when maintenance is required you can feel safe knowing our engineers have designed our mast and carriages to be as easy to maintain and repair as possible.

The telescopic, ULTRA-VU mast features a nested channel construction. The double-acting lift cylinders are positioned to the rear of the mast rails while the multi-leaf lift chains are nested inside the mast rails. Two lifting eyes and bolt-on caps permit safe, easy removal of the mast in the event that repair is needed.

The pin-mounted forks are hammer forged from heat treated steel with increased thickness in critical heel sections. The forks are fully adjustable from full width of carriage to +/-2-in. Lengths and widths vary depending on your particular needs and model type.

The mast and carriage main rollers are common and use Timken® tapered roller bearings. Chain rollers use sealed ball bearings. Common, cast nylon, side thrust pads are adjustable to compensate for wear.



### Carriage Groups

100-in standard  
(TXH-300L through TXH-400L)

### **Simple design-**

- bolt-on housing
- Timken tapered roller bearings
- cast nylon side thrust pads
- shims, if necessary

**Minimal maintenance with more resistant to dynamic/shock loads with rough terrain, high lift, and/or offset loads**



Wide stance for more stable and confident handling

# LIFT WITH CONFIDENCE

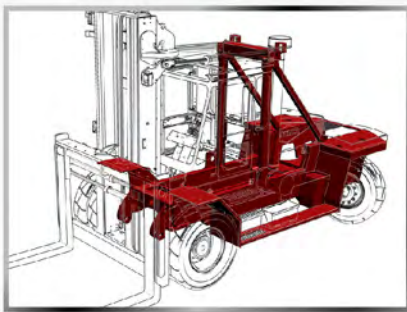
# TXH SERIES

The TXH Series 48-in. L.C. line of industrial pneumatic lift trucks was designed and engineered with the operator and service personnel in mind.

Each model in the TXH Series of lift trucks uses a Tier Certified Cummins® electronic turbocharged, charge air aftercooled (air to air) diesel engine. Standard engine features include electronic diagnostic and maintenance monitor, fuel/water separator and engine/transmission protection systems, improved fuel economy, and reduced emissions.

**The TXH Series comes standard with top of the line features such as:**

- TIER certified high output engines
- High capacity cooling systems
- Heavy-duty transmissions
- Heavy-duty planetary drive axles
- Heavy-duty, proven design steer axles
- TICS (Taylor Integrated Control System)
- All-welded steel chassis



**Easily removable side panels**

for better access to internals  
Easy, under cab, access to the junction box and to reset circuit breakers

Sealed electrical connectors  
All wiring is color and number coded

**TaylorMax air cleaner**  
option shown

**Climate control system**  
option shown

**Internal, force-cooled hydraulic actuated service brakes**

Wet disc brake oil and hydraulic oil are cooled by hydraulic cooler

**Heavy-duty bolted planetary drive axle**

6 planetary pin (TXH-400L has 3 planetary pins), force-cooled wet disc brakes  
Brake saver system does not allow operator to drive through parking brakes





**Hydraulic tank –**

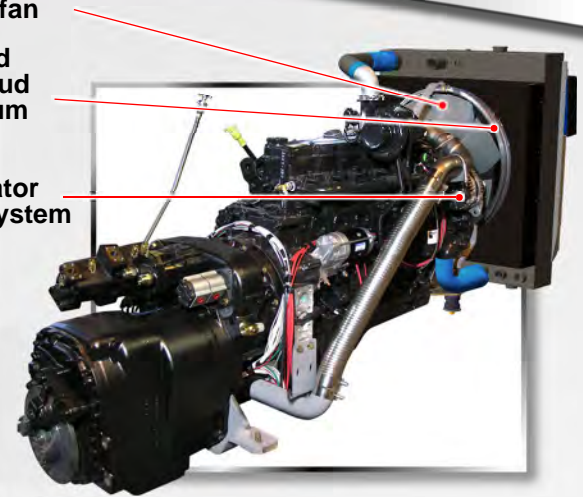
- easily removable
- heavy gauge steel wall
- serviceable filter element
- remote mounted breather
- internal suction screen
- 78-gallon capacity

**Full flow, in-tank, 10-Micron return filtration**

**7-blade pusher fan**

**Engine mounted sealed fan shroud insures maximum air flow**

**130 amp alternator 12V electrical system**



**ENGINE**

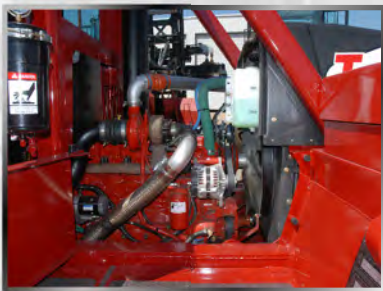
- Tier Certified Cummins electronic, low emissions (see specification sheet for engine detail)
- Lower fan speed and engine speed for less noise
- Electronic diagnostics on engine with fault code history for easy diagnostics and repair
- Built-in emergency shut-down system for engine and transmission
- All service and daily checks can be made easily from the running boards
- High capacity charge air, engine coolant, transmission coolant and hydraulic oil cooling system
- Easily serviceable 3-section cooling system

**TRANSMISSION**

- Heavy-duty 3-speed Powershift transmission
- High capacity 12-plate clutch system for added durability
- Operator controlled hydraulic inching for precise vehicle position control
- Automatic Powershift Control (APC)
- Full directional modulation for soft directional changes
- Transmission oil cooler is part of the 3-section cooling system
- Cooler has wide fin spacing to resist plugging
- Remote mounted filter to reduce oil spills
- Flex-plate drive
- Full width transmission mount goes from rail to rail in chassis for a more stable drivetrain



**Transmission output shaft disc mounted, parking brake Spring on – Hydraulic off Instrument panel mounted control**

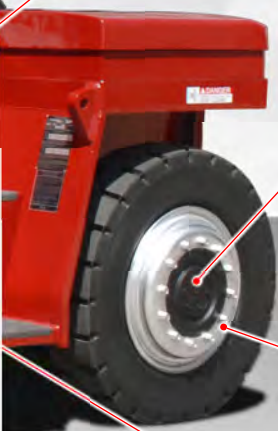


**Sliding engine hood**  
Easily removable for greater access (All service and daily checks can be made easily from running boards)



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

**Dual element air cleaner** with restriction indicator



**Positive rim mountings**

**Hinged, greaseable battery box door**

**Both the fuel and hydraulic tank are easily removable**

# TXH SERIES



**Two brake pedals**  
left – brakes and inching  
right – brakes only



**Comfortable adjustable arm rest**  
with fingertip joystick control for  
smooth precise handling



**Spacious uncluttered cab**  
with tilt steering, hinge-down dash,  
climate controls and adjustable  
seating  
Premium vinyl or cloth seat that  
rotates 15° left and 20° right



**Easy to understand diagnostic display.** TICS (Taylor Integrated Control System) using CANbus technology is standard on the TXH Series.

The TXH Series features a spacious, all steel cab with increased leg and head room, sound deadening rubber mat flooring, tilt steering wheel, simple T-shaped dash with hinge down instrument panel, fingertip electric joystick controls, and optional climate control system for operator comfort and convenience.

The tilt steering column and the adjustable full-suspension air-ride seat places your operator in the utmost comfort. The right-side armrest's adjustment capabilities allows even the most demanding operator to place the truck's controls within easy reach. The fingertip controls, on the the low effort joystick, allow the operator to control the mast and carriage with ease and comfort.

This blend of ergonomics and technology will help your operator be more efficient with the job at hand... handling materials.



**Dual panoramic interior rear view mirrors** standard  
Dual external side view mirrors standard  
Optional pedestrian camera and monitor

145-IN W.B.



148-IN W.B.



155-IN W.B.



## COMFORT & SAFETY



**Unobstructed rear view**  
The air snorkel and shielded exhaust are mounted on the corners of the cab to keep the view open.



**Overhead rear work lights**  
for improved safety and visibility  
Key-switch actuated amber strobe light



**Forward activated alarm**



**Reverse activated alarm**  
Sloped counterweights for improved rear visibility

**External side view mirrors**  
standard



**Extra large, shock absorbing, center mounted cab** for operator comfort and noise reduction  
Tinted glass throughout the cab

**Self cleaning, anti-slip, steps**  
3-point mounting and dismounting



# The Best Support In The World!



No-one can match our record for service and reliability.

Worldwide customer service, backed by over 83 years of Taylor® customer satisfaction and trust.



**Sudden Service, Inc.**  
649 N. Church Ave.  
Louisville, MS 39339-2022  
Phone (662) 773-8056  
Fax (662) 773-9157  
[suddenserviceinc.com](http://suddenserviceinc.com)

you can  
depend  
on

“*Big Red*”

is a personal and collective commitment from the Taylor "Big Red" Team® to every customer. Customer needs and expectations are the main priorities for Taylor® engineering, manufacturing, marketing, and service organizations. Sudden Service, Inc.® and our worldwide Taylor® dealer network are ready to respond to your requests for support twenty-four hours a day, seven days a week!

Genuine Parts • Unbeatable Service • Trusted Support



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650 North Church Avenue  
Louisville, Mississippi 39339-2017  
Phone (662) 773-3421 Fax (662) 773-9146  
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**“Big Red”**  
**TXH-360L**

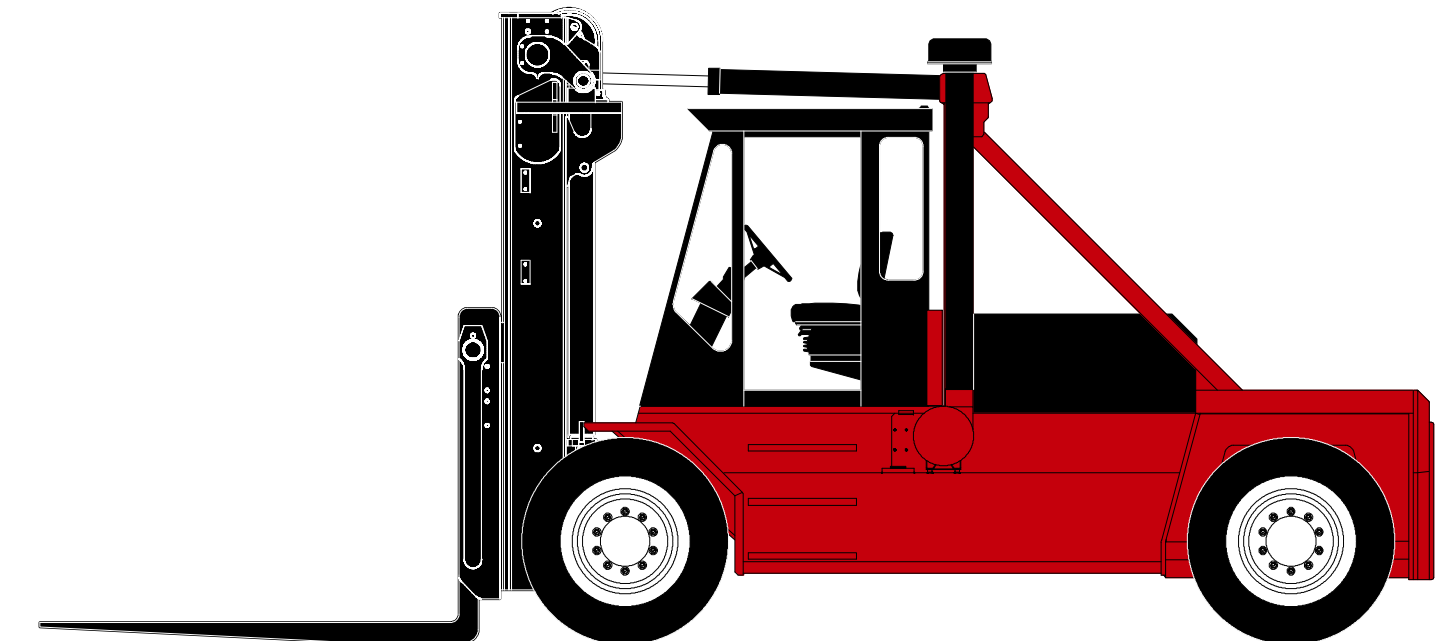
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**Taylor Industrial Truck  
Standard Specifications**

**TXH-360L Rated Capacity 36,000-lbs. (16,330 kg)**  
**With Side Shift And Individual Fork Positioners**

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

**148-in. (3,759 mm) Wheelbase**



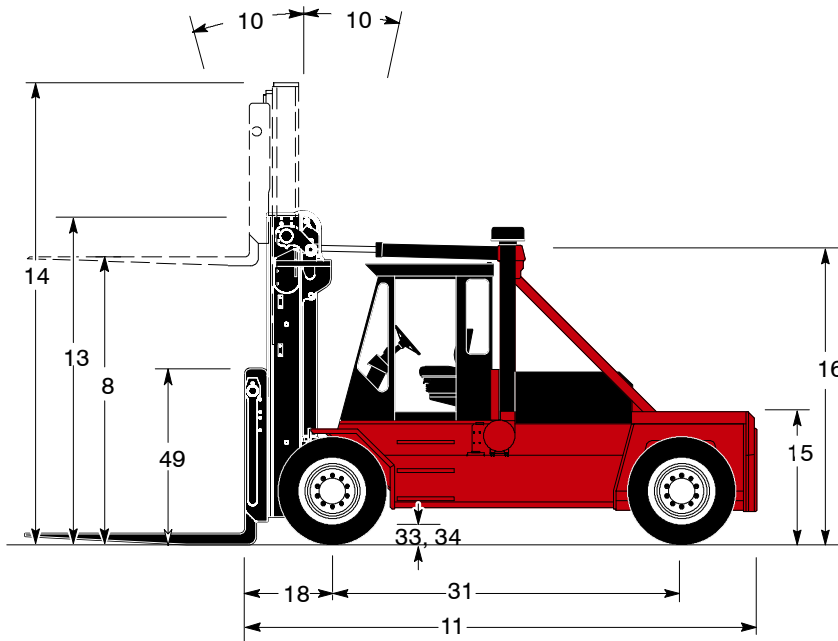
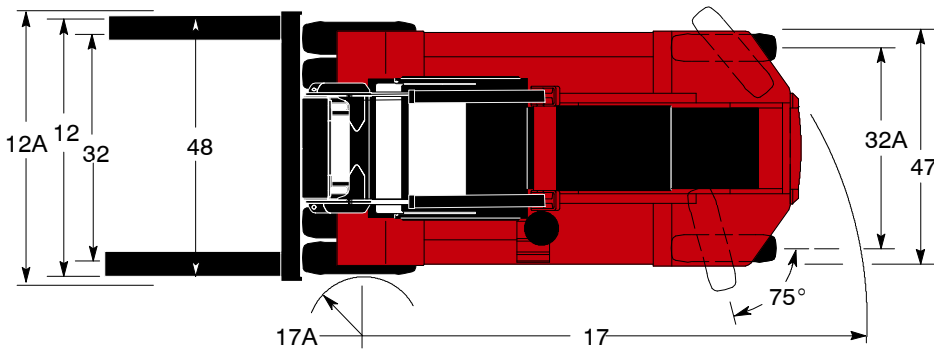
# “Big Red” TXH-360L

GENERAL	1.	Manufacturer	Manufacturer's Name	TAYLOR		
	2.	Model	Manufacturer's Designation	TXH-360L		
				English	Metric	
	3.	Capacity	Rated Capacity	lb (kg)	36,000 16,330	
	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)	160.5 4,077	
	9.	Forks	Thickness	in (mm)	4 102	
	9.A		Width	in (mm)	8 203	
	9.B		Length	in (mm)	96 2,438	
	10.	Tilt Angle	Standard Upright - Forward / Backward	deg.°	15 / 12	
	11.	Overall Dimensions	Length To Face Of Forks	in (mm)	220.25 5,601	
	12.		Width (Standard Tires)	in (mm)	103 2,594	
	12.A.		Width (Carriage)	in (mm)	108.5 2,756	
	13.	Overall Dimensions	Height, Standard Upright Lowered	in (mm)	167 4,242	
	14.		Height, Standard Upright Extended	in (mm)	245 6,223	
	15.		Height To Top Of Counterweight	in (mm)	65 1,651	
	16.		Height To Top Of A-Frame	in (mm)	126 3,200	
	17.	Turning Radius	Minimum Outside	in (mm)	206 5,232	
	17.A		Minimum Inside	in (mm)	30 762	
	18.	Load Distance	Center Of Wheel To Face Of Forks	in (mm)	40.25 1,022	
	19.	Aisle Width	(Add Load Length For 90° Stacking)	in (mm)	246.25 6,255	
	PERFORMANCE	20.	Stability	Comply With ANSI?	Yes	
		21.	Speeds	Travel Speed - Maximum Forward	mph (km/h)	17.4 28
		22.		Lift Speed - No Load	fpm (m/s)	65 .33
22.A		Lift Speed - With Load		fpm (m/s)	61 .31	
23.		Lowering Speed - No Load / With Load		fpm (m/s)	68 .35	
24.		Drawbar Pull	Powershift (Maximum At Stall)	lb (kN)	26,520 118	
25.	Gradeability	Powershift (Maximum At Stall) No Load	%	53.0		
25.A		Powershift (Maximum At Stall) With Load	%	29.3		
WEIGHT	26.	Ttl. Apprx. Wt.	Standard Truck	lb (kg)	58,100 26,354	
	27.	Axle Loading	Static With Rated Load - Front	lb (kg)	86,565 39,266	
	27.A		Static With Rated Load - Rear	lb (kg)	7,535 3,418	
	27.B		Static With No Load - Front	lb (kg)	29,100 13,200	
	27.C		Static With No Load - Rear	lb (kg)	29,000 13,154	
WHEELS / TIRES	28.	Tires	Number - Front / Rear	4 / 2		
	29.		Size - Front	12.00 x 20 - 24 PR		
	30.		Size - Rear	12.00 x 20 - 24 PR		
	31.	Wheelbase	Distance	in (mm)	148 3,759	
	32.	Tread	Center Of Outside (Dual) Tires - Front	in (mm)	90 2,280	
	32.A		Center Of Tires - Rear	in (mm)	80 2,030	
	33.	Ground Clearance	No Load At Lowest Point	in (mm)	9 230	
	34.		No Load At Center Of Wheelbase	in (mm)	14 356	
	35.	Brakes	Service / Parking - Method Of Control	Foot / Hand		
	36.		Service / Parking - Method Of Operation	Hyd / Spring		
POWER UNIT / XMSN	37.	Battery	Volts / Ampere Hours (1 Battery)	V/Ah	12 / 1150	
	38.	Internal Combustion Engine	Make / Model	Cummins QSB6.7-C173 Tier 4i		
	39.		Output - Intermittent Per SAE Standards	hp (kW)	173 129	
	40.		Governed Speed - With Load	rpm	2200	
	41.		Cycle / Number Of Cylinders / Displacement	cu-in (L)	4 / 6 / 408 4 / 6 / 6.7	
	42.	Clutch	Type	Inching		
	43.	Gear Change	Type	Hand		
	44.	Transmission	Number Of Speeds - Forward / Reverse	3 / 3		
	45.		Type	Powershift		
	46.	Relief Pressure	For Attachments	psi (bar)	2,000 138	
47.		Width Across Counterweight And Front Fenders	in (mm)	95.5 2,426		
48.		Standard Fork Spread	in (mm)	100 2,540		
49.		Ground To Top Of Carriage	in (mm)	76.5 1,943		
50.		Load Moment	in-lbs (m-kg)	3,177,000 36,605		

† 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” TXH-360L

Mast Dimensions (inches / millimeters)						
2-Stage ULTRA-VU Telescopic Mast	Optional Lift Height (8)*		OAHL (13)		OAGR (14)	
	English	Metric	English	Metric	English	Metric
	160.5	4,077	167	4,242	245	6,223
*Includes Fork Thickness	184.5	4,686	179	4,547	269	6,833



### Standard Engine For USA and Canada only

Cummins QSB6.7-C173 Tier 4i Interim electronic turbocharged, charge air aftercooled (air to air) diesel, 6-cylinder diesel engine has 409 cu-in. (6.7 L) displacement. 4.21-in. (107 mm) bore x 4.88-in. (124 mm) stroke. Rated power of 173 (129 kW) horsepower at 2200 RPM. Maximum power of 173 horsepower (129 kW) at 2000 rpm. Peak torque 590 ft.-lbs. (800 N-m) at 1500rpm. (SAE J1995 Conditions). Standard features are (DOC) diesel oxidation catalysis, (CEGR) cooled exhaust gas recirculation, electronic diagnostic and maintenance monitor, fuel/water separator and engine/transmission protection systems, fuel economy, and reduced emissions. Emission certification: Tier 4i interim.

**Warning:** The TIER 4i engines require the following new fluids.

Ultra Low Sulfur diesel fuel  
 API CJ-4 Low Ash engine oil  
 Antifreeze required Maintain 50/50 Soft Water \*\*  
 Ethylene Glycol (Low Silicate) (GM 6038-M or ASTM D3306 & D 6210)  
 \*\*Soft water - Cannot contain more than 300 parts per million hardness or 100 parts per million of either chloride or sulfide. (These fluids will also work in existing units with Tier II and Tier III engines.)

### Warning:

The use of any fluids, in TIER 4i engines, other than those specified above may result in engine damage and could effect emissions and result in fines by the E.P.A.

OR

### Optional Engine For International shipment only. Not for USA and Canada. Check with Sales Coordinator on this engine for availability.

Cummins QSB6.7-C160 Tier III TPEM electronic turbocharged, charge air aftercooled (air to air) diesel, 6-cylinder diesel engine has 409 cu-in. (6.7 L) displacement. 4.09-in. (104 mm) bore x 5.2-in. (132 mm) stroke. Rated power of 160 (119 kW) horsepower at 2200 RPM. Maximum power of 165 horsepower (123 kW) at 2000 rpm. Peak torque 540 ft.-lbs. (732 N-m) at 1400rpm. (SAE J1995 Conditions). Standard features are electronic diagnostic and maintenance monitor, fuel/water separator and engine/transmission protection systems, fuel economy, and reduced emissions. Emission certification: US EPA Tier III, Carb Tier III, EU Stage III.

The fuel tank capacity is 53 gallons (201 L).

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# “Big Red” TXH-360L

## Air Cleaner

The dry type air cleaner has a safety element, restriction indicator, and vertical air intake extension.

## 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, a reverse-actuated warning horn and 4 worklights (2 front and 2 rear).

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 cab is 2-door and includes one 32,000 BTU heater, one circulation fan, front and rear windshield wipers, front windshield washer, dome light, all glass tinted, door hold back latches with trip handles, grey insulation, and black floor mat inside cab. Cab color black only. 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 lift system features power on demand. 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 78 gallons (295 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.

## Mast, Carriage, and Rollers

The 13-ft. (4.0 m) ULTRA-VU telescopic, nested-channel mast, with two multiple-leaf lift chains, is constructed of high-strength steel. The double-acting lift cylinders are nested to the rear of the mast rails. Two lifting eyes and bolt-on caps permit safe, easy removal. The lift chains are nested inside the mast rails for improved visibility.

Pin-type 100-in. (2,540 mm) wide “C” carriage with side shift and individual fork positioners.

The mast and carriage main rollers are common and use shielded roller bearings. Chain rollers use sealed ball bearings. Side bearings are adjustable to compensate for wear.

## Forks

The forks are pin-mounted and fully adjust from the outer carriage plates to the center brace. They are forged from heat treated steel and have square tips and bottom tapers. Sizes:

Size: 4-in. (102 mm) x 8-in. (203 mm) x 96-in. (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.

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