



**“Big Red”**

**TX-280S / TX-300S / TX-330S**

---

**Taylor Industrial Trucks  
Standard Specifications**

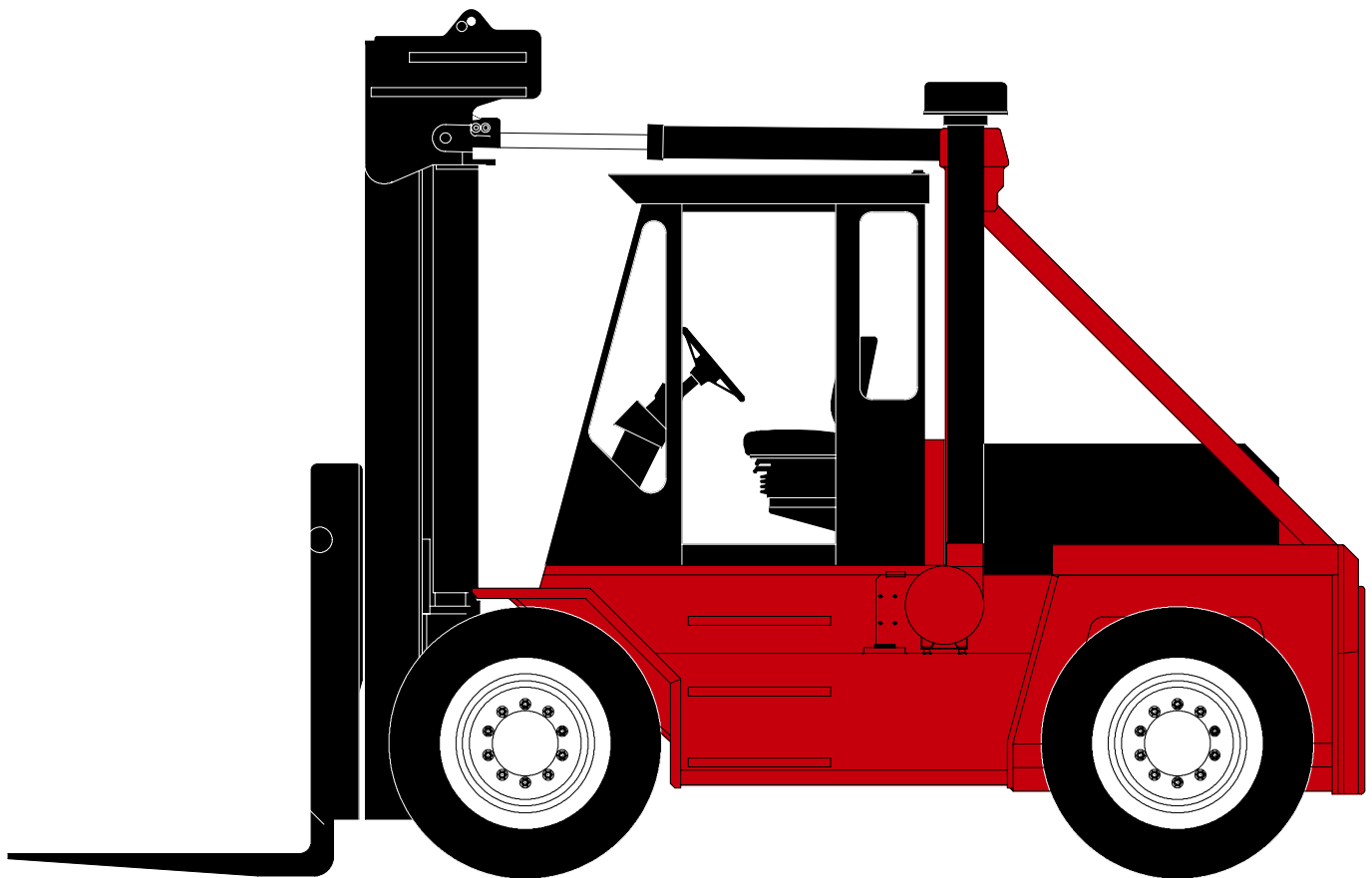
TX-280S Rated Capacity 28,000-lbs. (**12,710 kg**)

TX-300S Rated Capacity 30,000-lbs. (**13,608 kg**)

TX-330S Rated Capacity 33,000-lbs. (**14,980 kg**)

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

110-in. (**2,794 mm**) Wheelbase



**“Big Red” TX-280S / TX-300S / TX-330S**

| GENERAL         | 1.   | Manufacturer               | Manufacturer's Name                                  | TAYLOR                |             | TAYLOR                |             | TAYLOR                |             |
|-----------------|------|----------------------------|------------------------------------------------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
|                 | 2.   | Model                      | Manufacturer's Designation                           | TX-280S               |             | TX-300S               |             | TX-330S               |             |
|                 |      |                            |                                                      | English               | Metric      | English               | Metric      | English               | Metric      |
| DIMENSIONS      | 3.   | Capacity                   | Rated Capacity lb (kg)                               | 28,000                | 12,710      | 30,000                | 13,608      | 33,000                | 14,980      |
|                 | 4.   | Load Center                | Distance in (mm)                                     | 24                    | 610         | 24                    | 610         | 24                    | 610         |
|                 | 5.   | Power Type                 | Gas, LPG, Or Diesel                                  | Diesel                |             | Diesel                |             | Diesel                |             |
|                 | 6.   | Tire Type                  | Cushion, Pneumatic Front / Rear                      | Pneumatic / Pneumatic |             | Pneumatic / Pneumatic |             | Pneumatic / Pneumatic |             |
|                 | 7.   | Wheels                     | Number (X = Driven) Front / Rear                     | 4X / 2                |             | 4X / 2                |             | 4X / 2                |             |
|                 | 8.   | Upright Lift               | Standard Lift (Top Of Fork) in (mm)                  | 135.5                 | 3,442       | 135.5                 | 3,442       | 135.5                 | 3,442       |
|                 | 9.   | Forks                      | Thickness in (mm)                                    | 3.5                   | 89          | 3.5                   | 89          | 3.5                   | 89          |
|                 | 9.A  |                            | Width in (mm)                                        | 8                     | 203         | 8                     | 203         | 8                     | 203         |
|                 | 9.B  |                            | Length in (mm)                                       | 48                    | 1,219       | 48                    | 1,219       | 48                    | 1,219       |
|                 | 10.  | Tilt Angle                 | Standard Upright - Forward / Backward deg.°          | 15 / 12               |             | 15 / 12               |             | 15 / 12               |             |
|                 | 11.  | Overall Dimensions         | Length To Face Of Forks in (mm)                      | 174                   | 4,419       | 174                   | 4,419       | 174.5                 | 4,432       |
|                 | 12.  |                            | Width (Standard Tires) in (mm)                       | 103                   | 2,615       | 103                   | 2,615       | 103                   | 2,615       |
|                 | 13.  |                            | Height, Standard Upright Lowered in (mm)             | 143                   | 3,632       | 143                   | 3,632       | 143                   | 3,632       |
|                 | 14.  |                            | Height, Standard Upright Extended in (mm)            | 209                   | 5,308       | 209                   | 5,308       | 209                   | 5,308       |
|                 | 15.  |                            | Height To Top Of Counterweight in (mm)               | 60                    | 1,524       | 65                    | 1,651       | 70                    | 1,778       |
|                 | 16.  |                            | Height To Top Of A-Frame in (mm)                     | 126                   | 3,200       | 126                   | 3,200       | 126                   | 3,200       |
|                 | 17.  | Turning Radius             | Minimum Outside in (mm)                              | 162                   | 4,115       | 162                   | 4,115       | 162                   | 4,115       |
|                 | 17.A |                            | Minimum Inside in (mm)                               | 10.5                  | 267         | 10.5                  | 267         | 10.5                  | 267         |
|                 | 18.  | Load Distance              | Center Of Wheel To Face Of Forks in (mm)             | 32.5                  | 825         | 32.5                  | 825         | 32.5                  | 825         |
|                 | 19.  | Aisle Width                | (Add Load Length For 90° Stacking) in (mm)           | 194                   | 4,928       | 194                   | 4,928       | 194.5                 | 4,940       |
| PERFORMANCE     | 20.  | Stability                  | Comply With ANSI?                                    | Yes                   |             | Yes                   |             | Yes                   |             |
|                 | 21.  | Speeds                     | Travel Speed - Maximum Forward mph (km/h)            | 17.4                  | 28          | 17.4                  | 28          | 17.4                  | 28          |
|                 | 22.  |                            | Lift Speed - No Load fpm (m/s)                       | 71                    | .36         | 71                    | .36         | 71                    | .36         |
|                 | 22.A |                            | Lift Speed - With Load fpm (m/s)                     | 68                    | .35         | 68                    | .35         | 68                    | .35         |
|                 | 23.  |                            | Lowering Speed - No Load / With Load fpm (m/s)       | 75                    | .38         | 75                    | .38         | 75                    | .38         |
|                 | 24.  | Drawbar Pull               | Powershift (Maximum At Stall) lb (kN)                | 26,260                | 117         | 26,200                | 117         | 26,100                | 116         |
|                 | 25.  | Gradeability               | Powershift (Maximum At Stall) No Load %              | 30.5                  |             | 30.6                  |             | 32.9                  |             |
| WHEELS / TIRES  | 25.A |                            | Powershift (Maximum At Stall) With Load %            | 38.1                  |             | 35.0                  |             | 32.8                  |             |
|                 | 26.  | Ttl. Apprx. Wt.            | Standard Truck lb (kg)                               | 40,000                | 18,160      | 41,000                | 18,598      | 43,400                | 19,686      |
|                 | 27.  | Axle Loading               | Static With Rated Load - Front lb (kg)               | 61,850                | 28,055      | 64,400                | 29,212      | 69,150                | 31,366      |
|                 | 27.A |                            | Static With Rated Load - Rear lb (kg)                | 6,150                 | 2,790       | 6,600                 | 2,994       | 7,250                 | 3,289       |
|                 | 27.B |                            | Static With No Load - Front lb (kg)                  | 19,450                | 8,823       | 19,000                | 8,618       | 19,200                | 8,709       |
|                 | 27.C |                            | Static With No Load - Rear lb (kg)                   | 20,550                | 9,321       | 22,000                | 9,979       | 24,200                | 10,977      |
| PWR UNIT / XMSN | 28.  | Tires                      | Number - Front / Rear                                | 4 / 2                 |             | 4 / 2                 |             | 4 / 2                 |             |
|                 | 29.  |                            | Size - Front                                         | 12.00 x 20 - 18 PR    |             | 12.00 x 20 - 18 PR    |             | 12.00 x 20 - 18 PR    |             |
|                 | 30.  |                            | Size - Rear                                          | 12.00 x 20 - 18 PR    |             | 12.00 x 20 - 18 PR    |             | 12.00 x 20 - 18 PR    |             |
|                 | 31.  | Wheelbase                  | Distance in (mm)                                     | 110                   | 2,794       | 110                   | 2,794       | 110                   | 2,794       |
|                 | 32.  | Tread                      | Center Of Outside (Dual) Tires - Front in (mm)       | 90                    | 2,280       | 90                    | 2,280       | 90                    | 2,280       |
|                 | 32.A |                            | Center Of Tires - Rear in (mm)                       | 80                    | 2,030       | 80                    | 2,030       | 80                    | 2,030       |
|                 | 33.  | Ground Clearance           | No Load At Lowest Point in (mm)                      | 9                     | 230         | 9                     | 230         | 9                     | 230         |
|                 | 34.  |                            | No Load At Center Of Wheelbase in (mm)               | 14                    | 356         | 14                    | 356         | 14                    | 356         |
|                 | 35.  | Brakes                     | Service / Parking - Method Of Control                | Foot / Hand           |             | Foot / Hand           |             | Foot / Hand           |             |
|                 | 36.  |                            | Service / Parking - Method Of Operation              | Hyd / Spring          |             | Hyd / Spring          |             | Hyd / Spring          |             |
| PWR UNIT / XMSN | 37.  | Battery                    | Volts / Ampere Hours (1 Battery) V/Ah                | 12 / 1150             |             | 12 / 1150             |             | 12 / 1150             |             |
|                 | 38.  | Internal Combustion Engine | Make / Model                                         | Cummins QSB6.7-C160   |             | Cummins QSB6.7-C160   |             | Cummins QSB6.7-C160   |             |
|                 | 39.  |                            | Output - Intermittent Per SAE Standards hp (kW)      | 160                   | 119         | 160                   | 119         | 160                   | 119         |
|                 | 40.  |                            | Governed Speed - With Load rpm                       | 2200                  |             | 2200                  |             | 2200                  |             |
|                 | 41.  |                            | Cycle / Number Of Cylinders / Displacement cu-in (L) | 4 / 6 / 409           | 4 / 6 / 6.7 | 4 / 6 / 409           | 4 / 6 / 6.7 | 4 / 6 / 409           | 4 / 6 / 6.7 |
|                 | 42.  | Clutch                     | Type                                                 | Inching               |             | Inching               |             | Inching               |             |
|                 | 43.  | Gear Change                | Type                                                 | Hand                  |             | Hand                  |             | Hand                  |             |
|                 | 44.  | Transmission               | Number Of Speeds - Forward / Reverse                 | 3 / 3                 |             | 3 / 3                 |             | 3 / 3                 |             |
|                 | 45.  |                            | Type                                                 | Powershift            |             | Powershift            |             | Powershift            |             |
|                 | 46.  | Relief Pressure            | For Attachments psi (bar)                            | 2,000                 | 138         | 2,000                 | 138         | 2,000                 | 138         |
|                 | 47.  |                            | Width Across Counterweight And Front Fenders in (mm) | 95.5                  | 2,426       | 95.5                  | 2,426       | 95.5                  | 2,426       |
|                 | 48.  |                            | Standard Fork Spread in (mm)                         | 84                    | 2,134       | 84                    | 2,134       | 84                    | 2,134       |
|                 | 49.  |                            | Ground To Top Of Carriage in (mm)                    | 64.5                  | 1,638       | 64.5                  | 1,638       | 64.5                  | 1,638       |
|                 | 50.  |                            | Load Moment in-lbs (m-kg)                            | 1,582,000             | 18,227      | 1,695,000             | 19,529      | 1,864,500             | 21,482      |

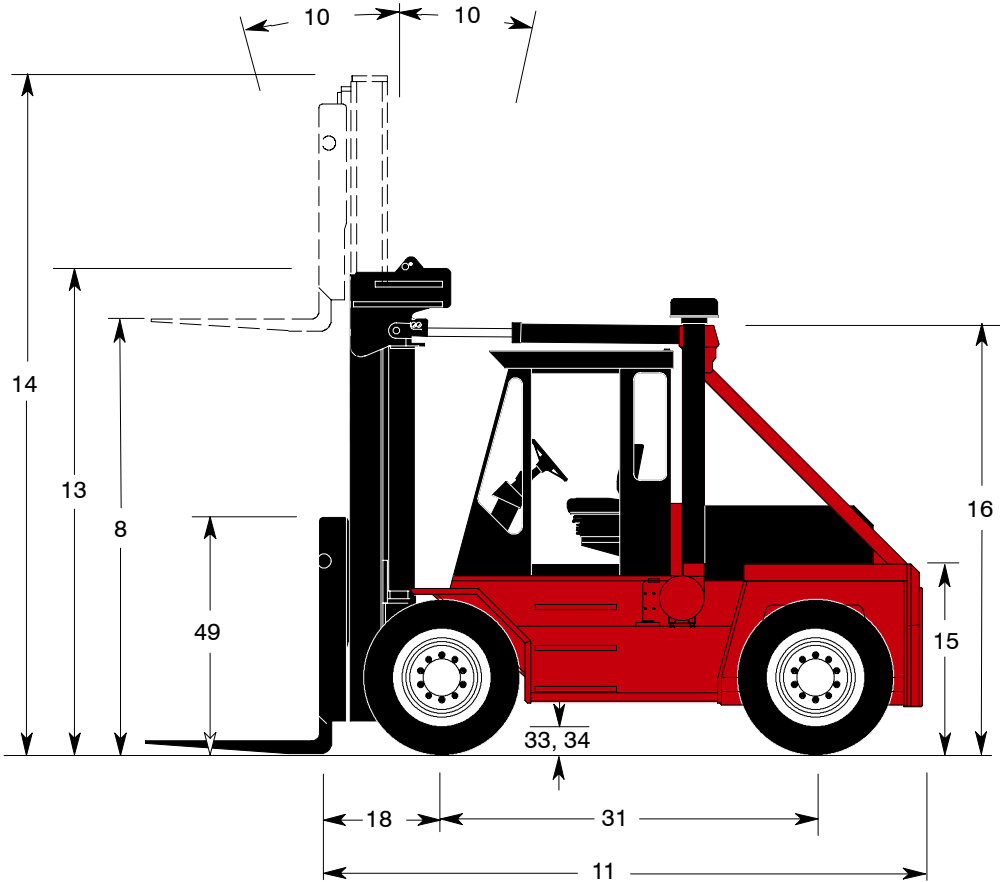
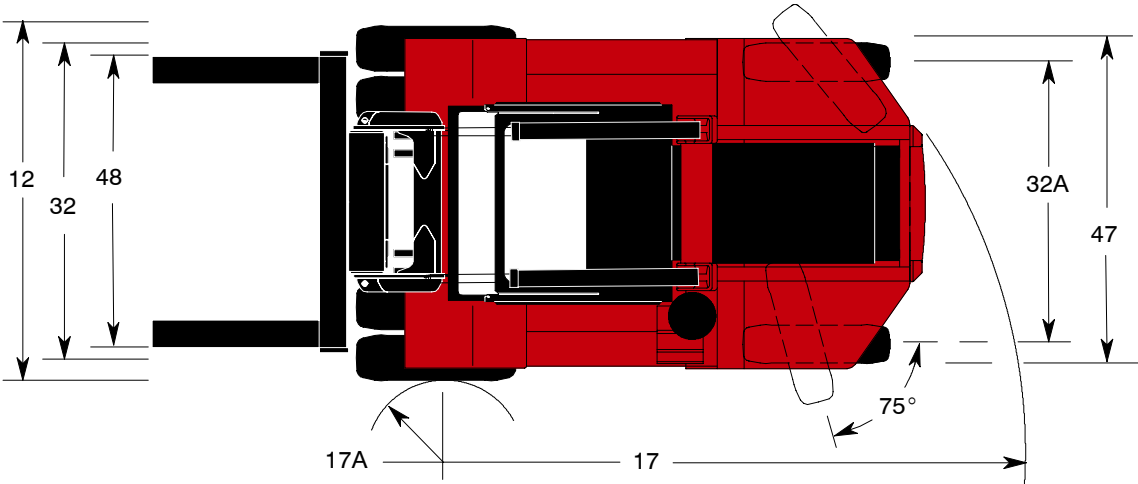
† **NOTE:** Performance specifications are for trucks equipped as described on the back page of this specification sheet. Performance specifications are affected by the condition of the vehicle, its components, and the nature and condition of the operating area. If these specifications are critical,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



**“Big Red” TX-280S / TX-300S / TX-330S**

**Mast Dimensions** (inches / millimeters)

|                                        | Optional Lift Height (8)* |        | OAHL (13) |        | OAHR (14) |        |
|----------------------------------------|---------------------------|--------|-----------|--------|-----------|--------|
|                                        | English                   | Metric | English   | Metric | English   | Metric |
| 2-Stage<br>ULTRA-VU<br>Telescopic Mast | 135.5                     | 3,442  | 143       | 3,632  | 209       | 5,308  |
|                                        | 159.5                     | 4,051  | 155       | 3,937  | 233       | 5,918  |
|                                        | 183.5                     | 4,661  | 167       | 4,242  | 257       | 6,528  |
| *Includes Fork Thickness               | 219.5                     | 5,575  | 185       | 4,699  | 293       | 7,442  |





## **"Big Red" TX-280S / TX-300S / TX-330S**

### **Engine**

Cummins QSB6.7-C160 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).

### **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 40,000 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, 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 49 gallons (185 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 11-ft. (3.4 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 in the mast rails and are hidden.

Pin-type 84-in. (2,134 mm) wide "C" carriage.

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: 3.5-in. (89 mm) x 8-in. (203 mm) x 48-in. (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.