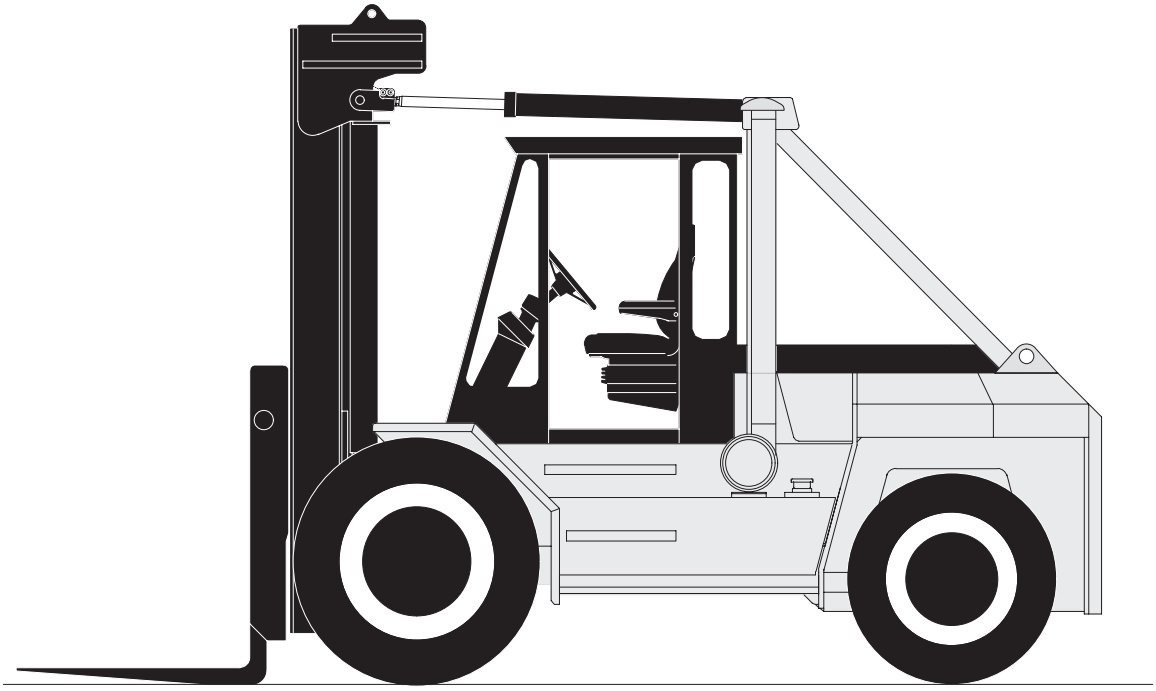
“Big Red”
TB-180S / TB-200S

Taylor Industrial Trucks
Standard Specifications

TB-180S Rated Capacity 18,000-lbs. (8,165 kg)
TB-200S Rated Capacity 20,000-lbs. (9,072 kg)

24-in. (610 mm) Load Center
110-in. (2,794 mm) Wheelbase



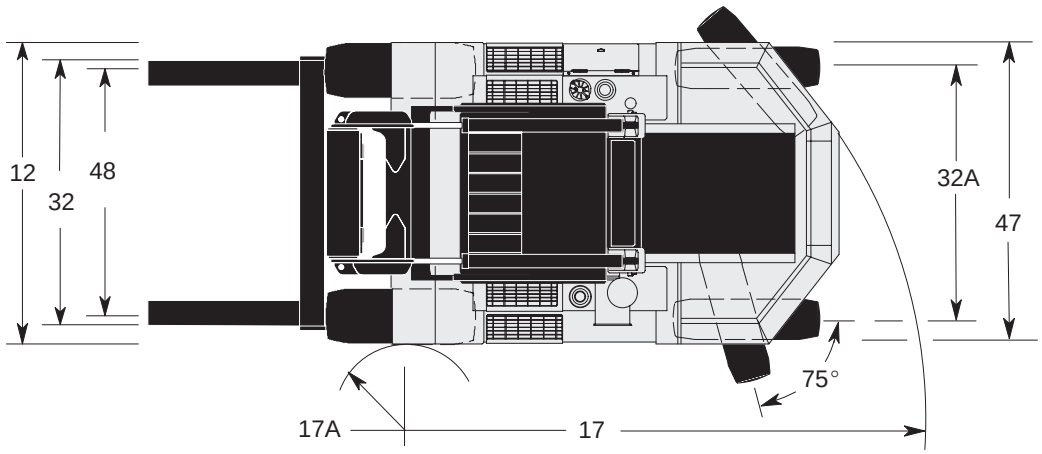
“Big Red” TB-180S / TB-200S

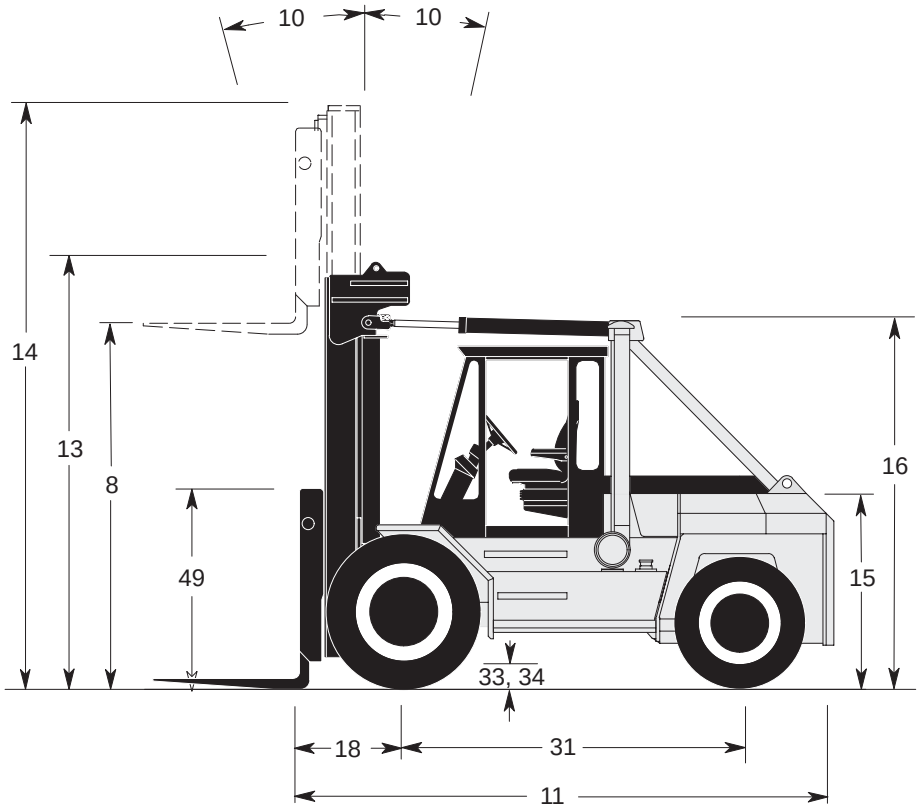
					TAYLOR		TAYLOR	
	2	Model	Manufacturer’s Designation		TB-180S		TB-200S	
					English	Metric	English	Metric
GENERAL	3	Capacity	Rated Capacity	lb (kg)	18,000	8,165	20,000	9,072
	4	Load Center	Distance	in (mm)	24	610	24	610
	5	Power Type	Gas, LPG, Or Diesel		Diesel		Diesel	
	6	Tire Type	Cushion, Pneumatic Front / Rear		Pneumatic / Pneumatic		Pneumatic / Pneumatic	
	7	Wheels	Number (X = Driven) Front / Rear		2X / 2		2X / 2	
DIMENSIONS	8	Upright Lift	Standard Lift (Top Of Fork)	in (mm)	134.5	3,416	134.7	3,421
	9	Forks	Thickness	in (mm)	2.5	64	2.75	70
	9A		Width	in (mm)	7	178	7	178
	9B		Length	in (mm)	48	1,219	48	1,219
	10	Tilt Angle	Standard Upright - Forward / Backward	deg.°	15 / 12		15 / 12	
	11	Overall Dimensions	Length To Face Of Forks	in (mm)	179	4,547	179	4,547
	12		Width (Standard Tires)	in (mm)	99	2,515	99	2,515
	13		Height, Standard Upright Lowered	in (mm)	139.5	3,543	139.5	3,543
	14		Height, Standard Upright Extended	in (mm)	205.5	5,220	205.5	5,220
	15		Height To Top Of Counterweight	in (mm)	66.5	1,689	66.5	1,689
	16		Height To Top Of A-Frame	in (mm)	122.5	3,111	122.5	3,111
	17	Turning Radius	Minimum Outside	in (mm)	161.75	4,109	161.75	4,109
	17A		Minimum Inside	in (mm)	11.5	292	11.5	292
	18	Load Distance	Center Of Wheel To Face Of Forks	in (mm)	39	991	39	991
	19	Aisle Width	(Add Load Length For 90˚ Stacking)	in (mm)	200.75	5,099	200.75	5,099
PERF †	20	Stability	Comply With ANSI?		Yes		Yes	
	21	Speeds	Travel Speed - Maximum Forward	mph (km/h)	16	26	16	26
	22		Lift Speed - No Load	fpm (m/s)	84	.43	84	.43
	22A		Lift Speed - With Load	fpm (m/s)	80	.41	80	.41
	23		Lowering Speed - No Load / With Load	fpm (m/s)	85 / 90	.43 / .46	85 / 90	.43 / .46
	24	Drawbar Pull	Powershift (Maximum At Stall)	lb (kN)	27,100	120	27,000	120
	25	Gradeability	Powershift (Maximum At Stall) No Load	%	30.2		29.1	
	25A		Powershift (Maximum At Stall) With Load	%	55.7		55.6	
WT	26	Ttl. Apprx. Wt.	Standard Truck	lb (kg)	30,000	13,608	32,100	14,561
	27	Axle Loading	Static With Rated Load - Front	lb (kg)	42,800	19,414	46,400	21,047
	27A		Static With Rated Load - Rear	lb (kg)	4,400	1,996	4,900	2,223
	27B		Static With No Load - Front	lb (kg)	15,200	6,895	15,700	7,122
	27C		Static With No Load - Rear	lb (kg)	14,800	6,713	16,400	7,439
WHLS/TIRES	28	Tires	Number - Front / Rear		2 / 2		2 / 2	
	29		Size - Front		14.00 x 25 - 14 PR		14.00 x 25 - 14 PR	
	30		Size - Rear		10.00 x 20 - 14 PR		10.00 x 20 - 14 PR	
	31	Wheelbase	Distance	in (mm)	110	2,794	110	2,794
	32	Tread	Center Of Tires - Front	in (mm)	84	2,134	84	2,134
	32A		Center Of Tires - Rear	in (mm)	82	2,080	82	2,080
	33	Ground Clearance	No Load At Lowest Point	in (mm)	10	254	10	254
	34		No Load At Center Of Wheelbase	in (mm)	18	457	18	457
	35	Brakes	Service / Parking - Method Of Control		Foot / Hand		Foot / Hand	
	36		Service / Parking - Method Of Operation		Air / Spring		Air / Spring	
PWR UNIT/XMSN	37	Battery	Volts / Ampere Hours (1 Battery)	V/Ah	12 / 1150		12 / 1150	
	38	Internal Combustion Engine	Make / Model		Cummins QSB5.9-30		Cummins QSB5.9-30	
	39		Output - Intermittent Per SAE Standards	hp (kW)	160	119	160	119
	40		Governed Speed - With Load	rpm	2200		2200	
	41		Cycle / Number Of Cylinders / Displacement	cu-in (L)	4 / 6 / 359	4 / 6 / 5.9	4 / 6 / 359	4 / 6 / 5.9
	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 Press.	For Attachments	psi (bar)	2,000	138	2,000	138
	47		Width Across Counterweight	in (mm)	95.5	2,426	95.5	2,426
	48		Standard Fork Spread	in (mm)	84	2,134	84	2,134
	49		Ground To Top Of Carriage	in (mm)	64.25	1,632	64.25	1,632
	50		Load Moment	in-lbs (kg-m)	1,134,000	13,065	1,260,000	14,517

† **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” TB-180S / TB-200S

Mast Dimensions (inches / millimeters)								
	Optional Lift Height (8)*				**OAHL (13)**		**OAHR (14)**	
	TB-180S		**TB-200S**		**TB-180S & TB-200S**		**TB-180S & TB-200S**	
2-Stage ULTRA-VU Telescopic Mast	**English**	**Metric**	**English**	**Metric**	**English**	**Metric**	**English**	**Metric**
	134.5	3,416	134.7	3,421	139.5	3,543	205.5	5,220
*Includes Fork Thickness	158.5	4,026	158.7	4,031	151.5	3,848	229.5	5,829
	182.5	4,636	182.7	4,641	163.5	4,153	253.5	6,439
	218.5	5,550	218.7	5,555	181.5	4,610	289.5	7,353





“Big Red” TB-180S / TB-200S

Engine
Cummins QSB5.9-30 electronic turbocharged diesel, 6-cylinder engine. 359 cu-in. (5.9 L) displacement. 4.02-in. (102 mm) bore x 4.72-in. (120 mm) stroke. Peak power 160 horsepower (119 kW) at 2000 rpm. Peak torque 440 ft-lbs. (596 N-m) at 1500 rpm. (SAE J1995 Conditions).

Emission certification: US EPA Tier II, Carb Tier II, EU Stage II. The fuel tank capacity is 50 gallons (189 L).

Includes engine and transmission protection system.

Air Cleaner
The dry type air cleaner with safety element, restriction indicator and vertical air intake extension.

Cooling System
Conventional top / bottom tank radiator. Wide fin spacing reduces dirt build-up and provides optimum engine cooling.

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

The unit has a 12-volt electrical system with circuit breakers. Standard equipment includes a key-type anti-restart ignition switch system, 100-amp alternator, heavy-duty battery, mechanical pressure gauges, lighted instruments, electric horn, keyswitch-actuated amber strobe light, and a reverse-actuated warning horn.

Gauges include engine coolant temperature, fuel level, air pressure, and hourmeter. Indicator lights include transmission temperature, seat belt, low air, brake fault, engine oil pressure, parking brake, check engine, and battery indicator.

The unit has tilt steering and rear view mirrors.

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.

Drive Axle
The bolted heavy-duty, planetary, drive axle utilizes a hypoid ring gear and pinion. Disc wheel 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.

Brake System
The 20.25-in. (515 mm) diameter x 7-in. (178 mm) wide S-cam air service brakes utilize a pedal to combine transmission inching / disconnect with brake actuation and a separate pedal for brake actuation. The spring applied parking brake is mounted on the transmission output shaft; 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, sloped, counterweight. The hood is spring assisted. The rubber-mounted, center mount overhead guard is integral with the base assembly. The suspension seat with operator seat belt is adjustable.

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. The tank refill capacity is 45 gallons (170 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 dual pilot operated control levers are conveniently located.

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.

Pin-type 84-in. (2134 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.
Fork Sizes:

TB-180S: 2.5-in. (64 mm) x 7-in. (178 mm) x 48-in. (1,219 mm).
TB-200S: 2.75-in. (70 mm) x 7-in. (178 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.

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