



“Big Red” THD-160SPL

Taylor Industrial Trucks Standard Specifications

Single Point Lift

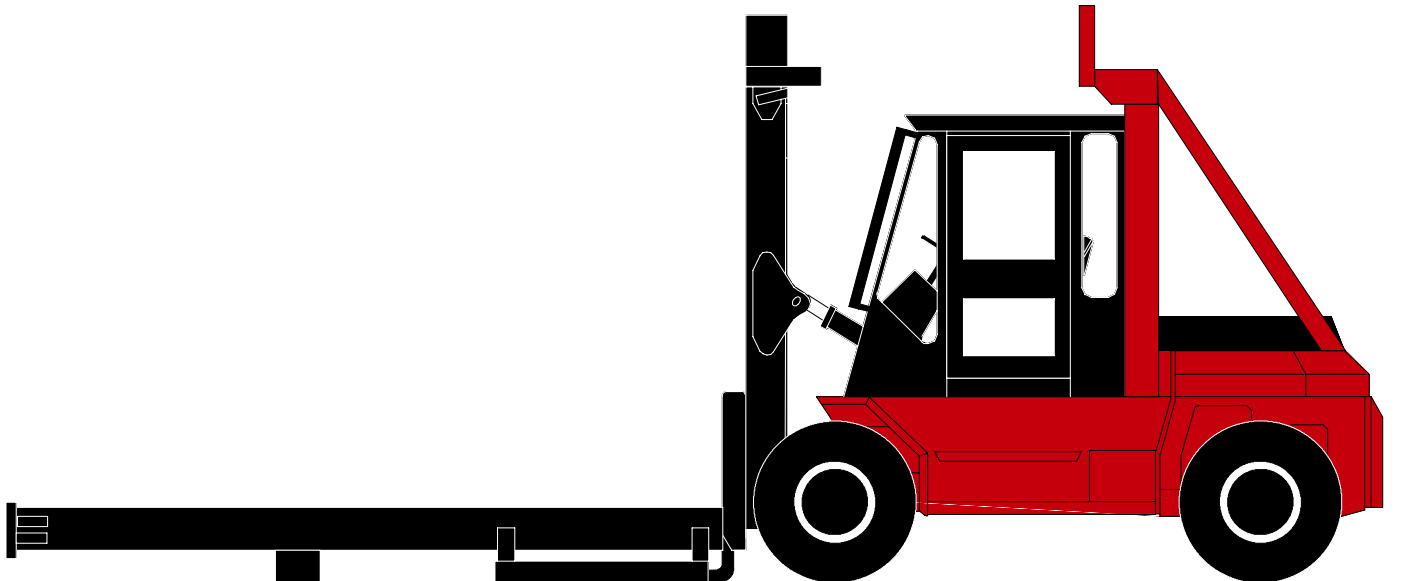
Standard With Charging Ram

THD-160SPL Rated Capacity 15,000-lbs. (6,804 kg)

Without Ram

24-in. (610 mm) Load Center

92-in. (2,337 mm) Wheelbase

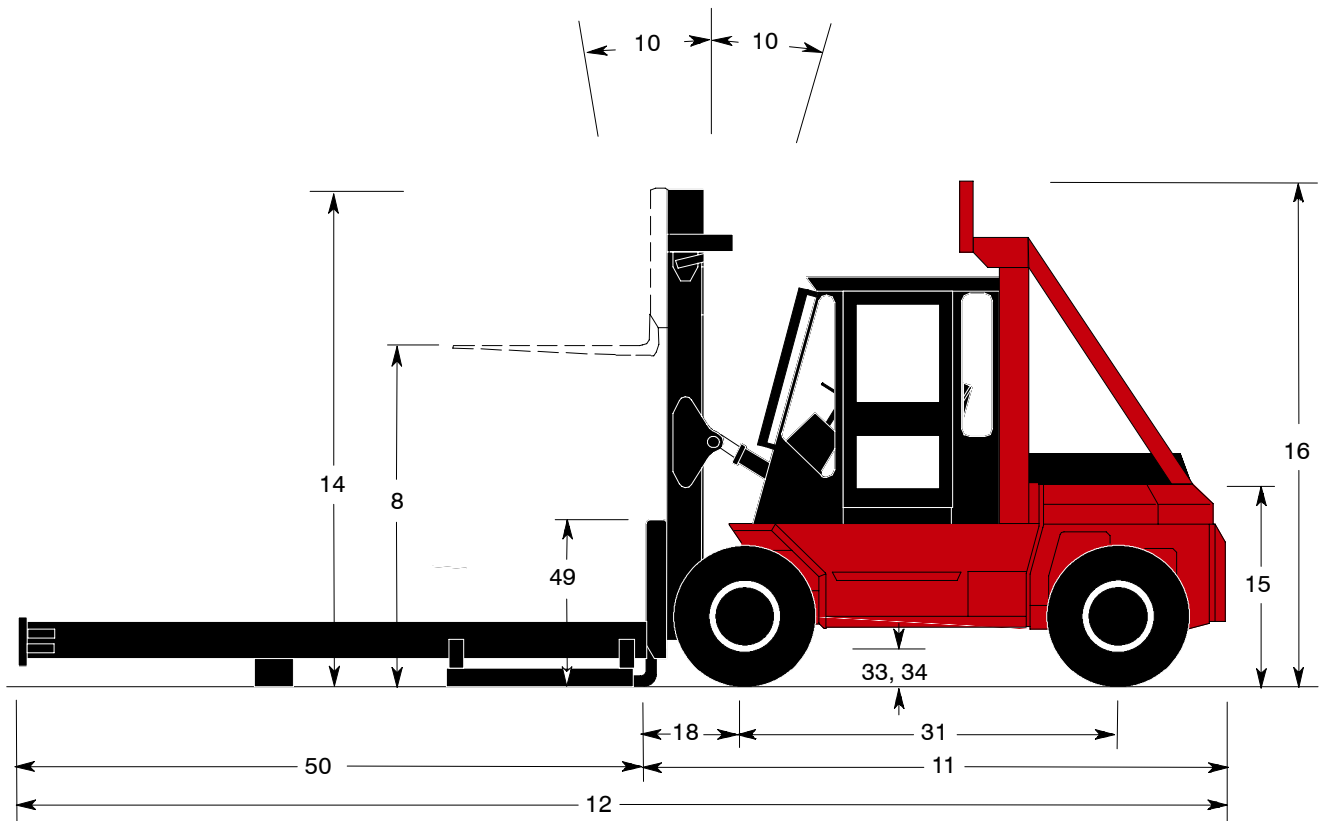
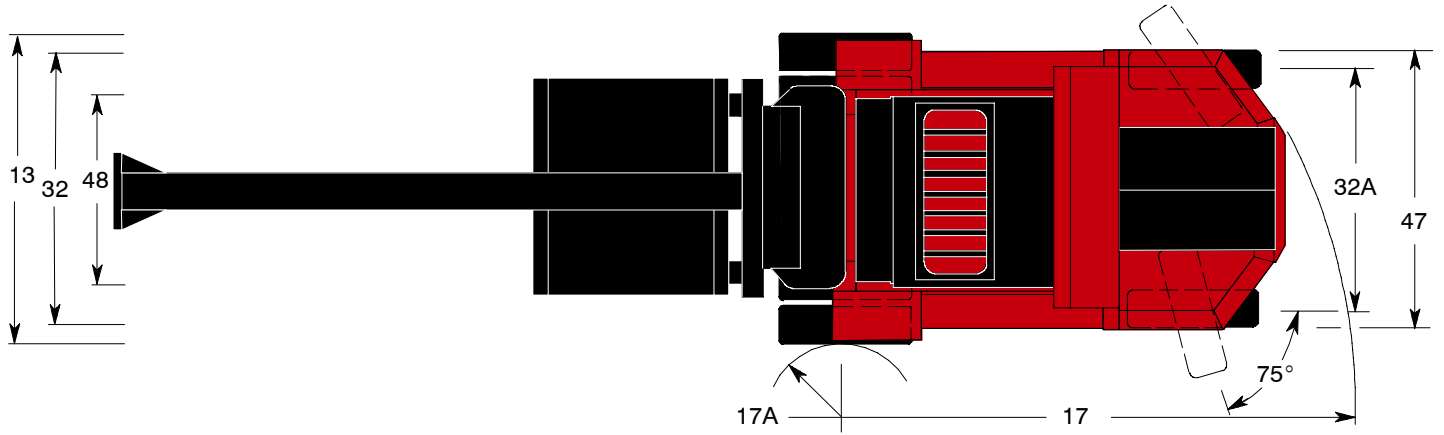


"Big Red" THD-160SPL

GENERAL	1	Manufacturer	Manufacturer's Name	TAYLOR				
	2	Model	Manufacturer's Designation	THD-160SPL				
				English		Metric		
	3	Capacity	Rated Capacity Without Ram	lb (kg)	15,000		6,804	
	4	Load Center	Distance	in (mm)	24		610	
	5	Power Type	Gas, LPG, Or Diesel		Diesel			
	6	Tire Type	Cushion, Pneumatic Front / Rear		Solid / Solid			
	7	Wheels	Number (X = Driven) Front / Rear		4X / 2			
DIMENSIONS	8	Upright Lift	Standard Lift (Top Of Fork)	in (mm)	98.5		3,416	
	9	Forks	Thickness	in (mm)	2.5		64	
	9A		Width	in (mm)	6		152	
	9B		Length	in (mm)	48		1,219	
		10	Tilt Angle	Standard Upright - Forward / Backward	deg. °	10		
		11	Overall Dimensions	Length To Face Of Forks	in (mm)	144.5		3,670
		12		Length To End Of Ram	in (mm)	295.5		7,506
		13		Width (Standard Tires)	in (mm)	83.2		2,113
		14		Height, Standard Upright Raised And Lowered	in (mm)	141		3,581
		15		Height To Top Of Counterweight	in (mm)	47.5		1,206
		16		Height To Top Of Lifting Eye	in (mm)	153.5		3,899
		17	Turning Radius	Minimum Outside	in (mm)	136		3,454
		17A		Minimum Inside	in (mm)	10		254
	18	Load Distance	Center of Wheel To Face Of Forks	in (mm)	25.5		648	
	19	Aisle Width	(Add Load Length For 90° Stacking)	in (mm)	161.5		4,102	
PERFORMANCE	20	Stability	Comply With ANSI?		Yes			
	21	Speeds	Travel Speed - Maximum Forward	mph (km/h)	14.8		23.8	
	22		Lift Speed - No Load	fpm (m/s)	76		0.39	
	22A		Lift Speed - With Load	fpm (m/s)	74		0.38	
	23		Lowering Speed - No Load / With Load	fpm (m/s)	Adjustable			
	24	Drawbar Pull	Powershift (Maximum At Stall)	lb (kN)	13,659		60.7	
	†	Gradeability	Powershift (Maximum At Stall) No Load	%	27.2			
25A	Powershift (Maximum At Stall) With Load		%	39.1				
WEIGHT	26	Ttl. Apprx. Wt.	Standard Truck	lb (kg)	23,500	10,660	21,500	9,752
	27	Axle Loading	Static With Rated Load - Front	lb (kg)	34,300	15,558	34,300	15,558
	27A		Static With Rated Load - Rear	lb (kg)	3,200	1,452	3,200	1,452
	27B		Static With No Load - Front	lb (kg)	14,670	6,654	10,040	4,554
	27C		Static With No Load - Rear	lb (kg)	8,830	4,005	11,460	5,198
	WHEELS / TIRES	28	Tires	Number - Front / Rear		4 / 2		
29		Size - Front			8.25 x 15 Solid			
30		Size - Rear			8.25 x 15 Solid			
31		Wheelbase	Distance	in (mm)	92		2,337	
32		Tread	Center Of Outside (Dual) Tires - Front	in (mm)	73		1,854	
32A			Center Of Tires - Rear	in (mm)	61.7		1,567	
33		Ground Clearance	No Load At Lowest Point	in (mm)	9		229	
34			No Load At Center Of Wheelbase	in (mm)	10		254	
35		Brakes	Service / Parking - Method Of Control		Foot / Hand			
36			Service / Parking - Method Of Operation		Air / Spring			
POWER UNITS / XMSN	37	Battery	Volts / Ampere Hours (1 Battery)	V/Ah	12 / 1000			
	38	Internal Combustion Engine	Make / Model		Cummins B4.5T-C99			
	39		Output - Intermittent Per SAE Standards	hp (kW)	99		73.8	
	40		Governed Speed - With Load	rpm	2200			
	41		Cycle / Number Of Cylinders / Displacement	cu in (L)	4 / 4 / 275		4 / 4 / 4.5	
	42		Clutch	Type		Inching		
	43	Gear Change	Type		Hand			
	44	Transmission	Number Of Speeds - Forward / Reverse		3 / 3			
	45		Type		Powershift			
	46	Relief Press.	For Attachments	psi (bar)	1500		103	
47		Width Across Counterweight	in (mm)	76		1,930		
48		Standard Fork Spread	in (mm)	64		1,626		
49		Ground To Top Of Carriage	in (mm)	41.5		1,054		
50		Length Of Ram	in (mm)	151		3,835		
51		Load Moment	in-lbs (m-kg)		760,000		8,756	

† 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" THD-160SPL



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Engine

The 4-cylinder Cummins B4.5T-C99 turbocharged diesel engine has 275 cubic-in. (4.5 liter) displacement, 4.02-in. (102mm) bore x 5.42-in. (138 mm) stroke. Rated power of 99-hp (74 kW) at 2200 rpm (SAE standard ambient conditions). Maximum power of 104-hp (78kW) at 2100 RPM. Peak torque is 305 ft.-lbs. (414 N-m) at 1500 rpm.

Emission Certified: US EPA Tier II, Carb Tier II, EU Stage II.

Engine and transmission protection system.

The fuel tank capacity is 28 gallons (144 L).

Air Cleaner

Donaldson dry type air cleaner w / safety element and restriction indicator, Taylormax precleaner and vertical air intake extension.

Cooling System

The cooling system employs a 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 flips down for easy servicing and is prewired to accommodate heavy-duty accessories. All wiring is color coded.

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

Gauges include fuel level, hourmeter, engine coolant temperature and air pressure.

Transmission

The three-speed, fully reversing, modulated, powershift transmission has inching with brakes behind inching on left pedal / brakes on right pedal and electric roll shift control. The transmission has impact cushion mounts. The filler pipe dipstick and large heavy-duty spin-on oil filter are easily accessible.

Drive Axle

The bolted heavy-duty planetary drive axle utilizes a spiraled, beveled, ring gear and pinion.

Steer Axle

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

Brake System

The force cooled, wet disc, air over hydraulic service brakes provide full power air actuation on the drive axle. Service brakes utilize a pedal to combine transmission inching / disconnect with brake actuation and a separate pedal for brake actuation. The transmission is equipped with a spring-applied / air off dry disc brake for parking.

Power Steering

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

Chassis

The all-welded frame has an integral, sloped, counterweight and spring-assisted hood. Removable panels provide access to components. The rubber-mounted, center mounted, cab and overhead guard is integral with the base assembly. The cab has a solid metal top, reversed hinged doors, two fans and comes standard with Lexan heat shields over front windshield and door glass. The mechanical suspension seat (with an operator seat belt) is adjustable. The tilt steering wheel is standard.

The machine comes standard with a single point lift and 8.25 x 15 solid tires.

Hydraulic System

The large capacity hydraulic tank has a spin-on tank breather, dual wire-mesh strainers, and a full-flow 10-micron return-line filter with a replaceable element in the tank. The tank refill capacity is 26.7 gallons (101 L).

The hydraulic system w / accumulator is filled with water glycol and utilizes a gear-type pump. Control valves are separate, stacked, spool-type, and controlled with hydraulic remotes. The tilt-lock valve prevents mast drift and reduces torsional stress.

Control levers are conveniently located.

Mast, Carriage, and Rollers

The 96-in. (2.4 m) rigid mast provides outstanding forward vision through the mast assembly. 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.

The 64-in. (1,626 mm) “C” type heavy duty carriage has high strength-to-weight ratio; fully adjustable from 64-in. (1,626 mm) outside to 2-in. (51 mm) inside forks.

The mast and carriage main rollers are common and use sealed, 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).

Charging Ram

The THD-160SPL comes standard with a fork mounted charging ram. Although sizes are variable, the most common size is 12-in. (305 mm) O.D. x 151.5-in. (3,848 mm) long. The wall thickness of the ram is 1-in. (25 mm) and it is anchored to the carriage by 4-in. (102 mm) thick plates.

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.