



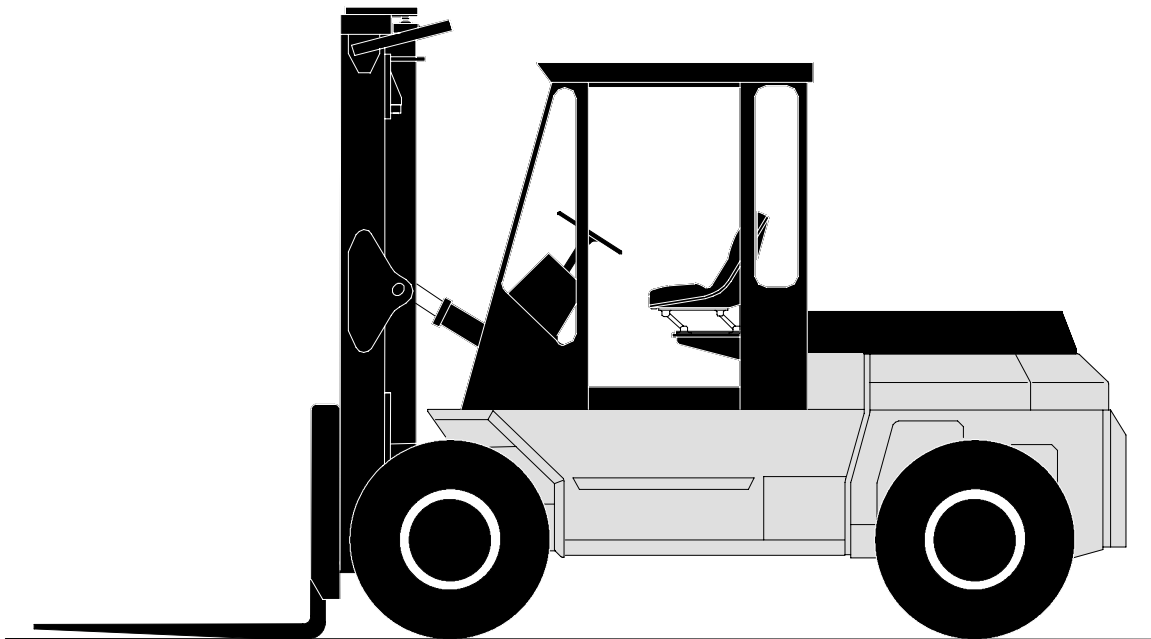
“Big Red” THD-160

Taylor Industrial Trucks Standard Specifications

THD-160 Rated Capacity 16,000-lbs. (7,258 kg)

24-in. (610 mm) Load Center

92-in. (2,337 mm) Wheelbase



“Big Red” THD-160

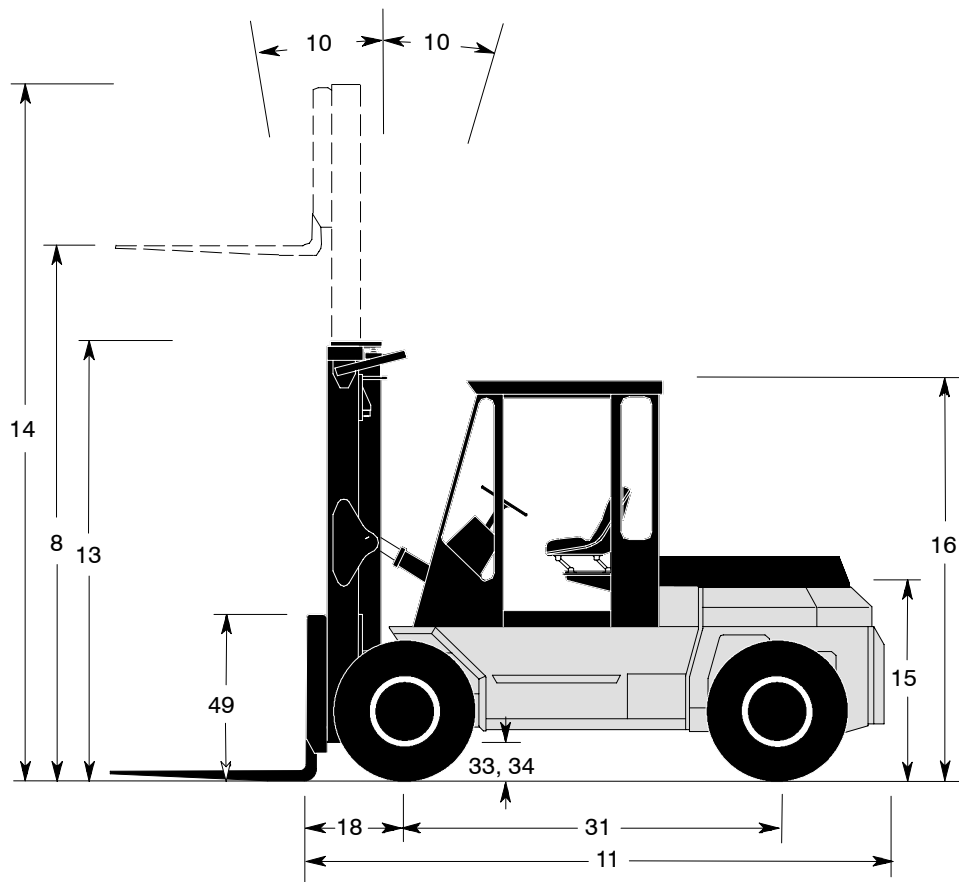
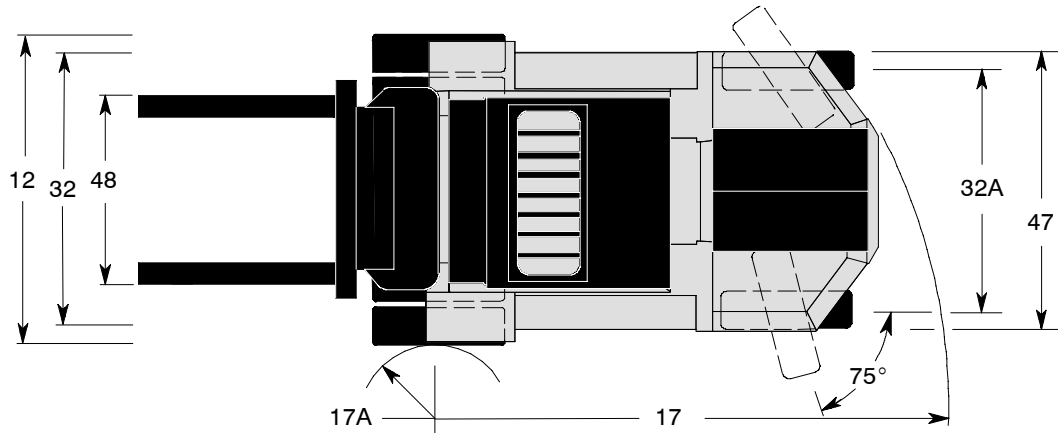
GENERAL	1	Manufacturer	Manufacturer's Name	TAYLOR		
	2	Model	Manufacturer's Designation	THD-160		
				English	Metric	
	3	Capacity	Rated Capacity	lb (kg)	16,000 / 7,258	
	4	Load Center	Distance	in (mm)	24 / 610	
	5	Power Type	Gas, LPG, Or Diesel	Diesel		
	6	Tire Type	Cushion, Pneumatic Front / Rear	Pneumatic / Pneumatic		
	7	Wheels	Number (X = Driven) Front / Rear	4X / 2		
DIMENSIONS	8	Upright Lift	Standard Lift (Top Of Fork)	in (mm)	134.5 / 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)	142.5 / 3,620	
	12		Width (Standard Tires)	in (mm)	83.2 / 2,113	
	13		Height, Standard Upright Lowered	in (mm)	110 / 2,794	
	14		Height, Standard Upright Extended	in (mm)	176 / 4,470	
	15		Height To Top Of Counterweight	in (mm)	47.5 / 1,206	
	16		Height To Top Of Guard	in (mm)	104 / 2,642	
	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)	23.5 / 597	
	19	Aisle Width	(Add Load Length For 90° Stacking)	in (mm)	159.5 / 4,051	
	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	
25		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)	21,500 / 9,752	
	27	Axle Loading	Static With Rated Load - Front	lb (kg)	34,300 / 15,558	
	27A		Static With Rated Load - Rear	lb (kg)	3,200 / 1,452	
	27B		Static With No Load - Front	lb (kg)	10,040 / 4,554	
	27C		Static With No Load - Rear	lb (kg)	11,460 / 5,198	
WHEELS / TIRES	28	Tires	Number - Front / Rear	4 / 2		
	29		Size - Front	8.25 x 15 - 14 PR		
	30		Size - Rear	8.25 x 15 - 14 PR		
	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)	60 / 1,524		
49		Ground To Top Of Carriage	in (mm)	41.5 / 1,054		
50		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-160

Mast Dimensions (inches / millimeters)

2-Stage ULTRA-VU Telescopic Mast	Optional Lift Height (8)		OAHL (13)		OAHR (14)	
	English	Metric	English	Metric	English	Metric
	134.5	3,416	110	2,794	176	4,470
	158.5	4,026	122	3,099	200	5,080
	182.5	4,636	134	3,404	224	5,690
	218.5	5,550	152	3,861	260	6,604



“Big Red” THD-160

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.

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

Air Cleaner

Donaldson dry type air cleaner w / safety element and restriction indicator.

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 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, operator station and overhead guard is integral with the base assembly. The suspension seat (with an operator seat belt) is adjustable. The tilt steering wheel is standard.

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 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.

Dual lift cylinders have chrome plated rods and self-adjusting packing. Control levers are conveniently located.

Mast, Carriage, and Rollers

The 11-ft. (3.4 m) ULTRA-VU mast provides outstanding forward vision through the mast assembly. Two double-acting lift cylinders are located behind the mast beams. 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. Lift chains are located between mast rails and are visible.

The 60-in. (1,524 mm) “C” type carriage has high strength-to-weight ratio; fully adjustable from 60-in. (1,524 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).

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.