

HIGH-CAPACITY ADJUSTABLE WHEELBASE



40000 - 80000 LBS.

SPECIFICATIONS

- ▶ THDA40/60
- ▶ THDA60/80



HIGH-CAPACITY ADJUSTABLE WHEELBASE

CAPACITY
40000 - 80000 LBS.

MAX. COUNTERWEIGHT EXTENSION LENGTH
48 IN.

MAX FORK HEIGHT
104 - 132 IN.

INDUSTRIES



Steel/Metals



General
Manufacturing



Rental



Rigging



Factory

STANDARD FEATURES

SUPPORT

- Electrical horn
- Asbestos-free components
- Bolt-on overhead guard
- Operator Restraint System seat
- Spring-applied/hydraulic release parking brake
- Orange forks
- Operator Presence Sensing System (OPSS)

PERFORMANCE

- GM 3.0L 4-cylinder engine (LP/Gas)¹
- GM 4.3L V6 engine (LP/Gas)²
- 2-Speed hydrostatic transmission
- 2-function hydraulic control valve (lift/tilt)
- Full hydraulic power steering
- Heavy-duty alternator with built-in regulator
- Inboard muffler
- 7" touch-screen multi-function display
 - Fuel gauge
 - Hour meter
 - Speedometer
 - Tachometer
 - Water temperature gauge
 - Estimated capacity calculator
 - Engine oil pressure
- Parking brake indicator
- Estimated load weight indicator
- Service and operator manuals
- Fuse/relay diagnostics

DURABILITY

- Impact-resistant main and side thrust rollers to reduce friction
- Greaseable mast pivots constructed with wear-resistant bronze bushings and hardened steel pins
- Chrome-plated cylinder rods
- Built-in engine protection system
- Heavy-duty isolated anti-vibration bolt-in drive line mounts
- Tilt-lock counterbalance valve to prevent mast drift
- 12 volt electrical system
- Heavy duty planetary drive rated for durability in high-capacity applications
- Double reduction gearing for increased torque
- Precision ground, heat-treated gears
- Thick top plate on welded beam steer axle
- provides added strength
- Dual-action bolt-on cylinder protected by heavy steel support beams
- High-impact composite trunnions
- Tapered roller bearings
- Two-part rust-inhibiting polyurethane base coat and two-part polyurethane top coat for corrosion protection
- Powder-coated components

ERGONOMICS

- Left-hand operator/seat position
- Rubber-mounted cab isolated from the frame to reduce noise and vibration
- Low-height, non-skid steps
- Adjustable semi-suspension seat
- Soft-touch hydraulic levers
- Tilt steering column
- Hydraulic weight scale
- Large dual operator assist grips

SERVICEABILITY

- Quick-Change Fork System for quick connect/disconnect of forks and boom
- Engine fault code diagnostic capability
- Externally mounted charge pump and integral filter allow for easy maintenance
- O-ring face seal fittings
- Easy-access oil filter and drain
- Large clean-out covers on top of hydraulic tank and convenient drain plug on the bottom
- Electric radiator fan with automated reversing feature
- Hydraulic multi-gauge
- Wires enclosed in split tube wire
- loom wrap
- Sealed weatherpack connectors
- Easy-access steer axle lubrication points
- Hinged panels and hoods supported by gas shocks to reach entire drivetrain, hydraulics, and filters

¹ THD40/60 models only.

² THD60/80 model only.

³ Consult your local, authorized Toyota dealer for customization options and pricing.

OPTIONAL EQUIPMENT

MASTS

- Full-Free Lift Two-Stage Mast (FV)
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CARRIAGE

- Integral Side Shifting Fork Positioner (Dependent)
 - Integral Fork Positioner (Independent)
 - Standard Tapered Forks
 - Fully-Tapered Forks
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BOOM

- Hydraulic Machinery Boom and Stand
 - Less Machinery Boom and Stand
 - Lifting Ring Assembly (2nd Position Lift Point)
 - Boom Shackle
 - Boom Shackle and Hook
 - Jaw and Hook Swivel w/ Thrust Bearing
-

CHASSIS

- Special Paint (One Color)¹

SEATS & SEATBELTS

- Air Ride Seat

STEERING & OPERATION

- Traction Control
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LIGHTS

- Amber Strobe Light
 - Forward Facing Blue Light (Key Switch Activated)
 - Rear Facing Blue Light (Key Switch Activated)
 - Forward Facing Red Light (Key Switch Activated)
 - Rear Facing Red Light (Key Switch Activated)
 - Extra Work Lights- LED Forward Facing (pair)
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INDICATORS & MISC.

- Backup Alarm
- Rear Camera System Visibility Aid
- Fire Extinguisher (5 lb)
- Remote Control
- AC Charger for Remote Control

¹ Special design request (TSDR) required. For more information, consult your local, authorized Toyota dealer.

TRUCK SPECIFICATIONS

MODEL NUMBERS

GENERAL DATA				THDA40/60		THDA60/80		
Load Capacity	Retracted / Extended	lb (kg)	35200 (15966) / 51900 (23541)		51500 (23360) / 68700 (31161)			
Power Type				LP/Gas		LP/Gas		
Operator Position				Seated Rider / LH Seat		Seated Rider / LH Seat		
Tire Type	Front / Rear				Cushion / Cushion		Cushion / Cushion	
Wheels (x = driven)	Front / Rear				2x/2		2x/2	
EXTERIOR DIMENSIONS				THDA40/60		THDA60/80		
A	Maximum Fork Height (top of forks)	in (mm)	104.50 (2654.3)		107 (2717.8)			
B	Maximum Boom Lifting Height	in (mm)	306.31 (7780.2)		322.88 (8214.1)			
C	Maximum Boom Extension Length	in (mm)	120.00 (3048)		120.63 (3064)			
	Free Lift (top of forks)	in (mm)	31.00 (787.4)		37.00 (939.8)			
D	Fork Size (T x W x L)	in (mm)	4.50 (114.3) x 10.00 (254) x 96.00 (2438.4)		5.0 (127) x 10.0 (254) x 96.0 (2438.4)			
E	Fork Spread Max. / Min.	in (mm)	65.38 (1660.7) / 6.63 (168.4)		76.00 (1930.4) / 9.00 (228.6)			
F	Tilt Range (forward / backward)	deg	12/7		10/7			
G	Length to Fork Face	in (mm)	154.44 (3922.8) / 202.44 (5142)		193.13 (4905.5) / 241.13 (6124.7)			
H	Overall Width	in (mm)	72.00 (1828.8)		84.0 (2133.6)			
I	Mast Lowered Height	in (mm)	107.00 (2717.8)		118.0 (2997.2)			
	Mast Extended Height (top of load backrest)	in (mm)	175.75 (4464)		182.75 (4641.85)			
	Overhead Guard Height	in (mm)	92.81 (2357.4)		98.06 (2490.7)			
J	Turning Radius (outside)	in (mm)	140.0 (3556.0) / 185.0 (4699.0)		170.25 (4324.3) / 222.88 (5661.1)			
K	Load Distance ¹	in (mm)	28.94 (735.1)		37.38 (949.5)			
L	Basic Right-Angle Stacking Aisle Width ²	in (mm)	168.90 (4290) / 213.9 (5433.1)		207.63 (5273.8) / 255.63 (6493)			
TRUCK WEIGHTS				THDA40/60		THDA60/80		
Total Weight (empty)		lb (kg)	58860 (26699)		83010 (37653)			
Weight Distribution	Full Load	Front	lb (kg)	112200 (50893.1)		124059 (56272.2)		
		Rear	lb (kg)	—		9272 (4205.7)		
	No Load	Front	lb (kg)	—		27560 (12501.0)		
		Rear	lb (kg)	32000 (14514.9)		45771 (20761.4)		
TIRES				THDA40/60		THDA60/80		
Tires	Number (front / rear)		4/2		4/2			
	Size (OD x W x ID)	Front	28 X 10 X 22		36 X 12 X 30 / 36 X 10 X 30			
		Rear	28 X 10 X 22		28 X 12 X 22			
M Wheelbase	Retracted / Extended	in (mm)	98.0 (2489.2) / 146.0 (3708.4)		120.0 (3048) / 168.0 (4267)			
Tread Width	Front	in (mm)	52.0 (1320.8)		62.0 (1575)			
	Rear	in (mm)	60.0 (1524)		72.0 (1829)			
Underclearance (full load)	Minimum with Load	in (mm)	4.5 (114.3)		3.75 (95.2)			
	N Center of Wheelbase	in (mm)	6.5 (165.1)		9.5 (241.3)			
Brake	Service (foot) / Parking (hand)	Hydrostatic / Mechanical			Hydrostatic / Mechanical			
POWER SYSTEM				THDA40/60		THDA60/80		
Internal Combustion Engine	Make / Model		GM 3.0L		GM 4.3L			
	Rated Horsepower @ rpm	SAE HP	81 @ 3000		110 @ 2400			
	Rated Torque @ rpm	SAE ft-lb	149 @ 2000		230 @ 2400			
	Number of Cylinders		4		6			
Transmission	Type		Hydrostatic		Hydrostatic			
	Speeds (forward / reverse)		2 / 2		2 / 2			
Auxiliary Hydraulic Function Specifications (for attachments) ³	Max. Operating Pressure	psi (kg/cm ²)	—		—			
	Max. Flow Rate	gpm (lpm)	—		—			

⁰ Computed values

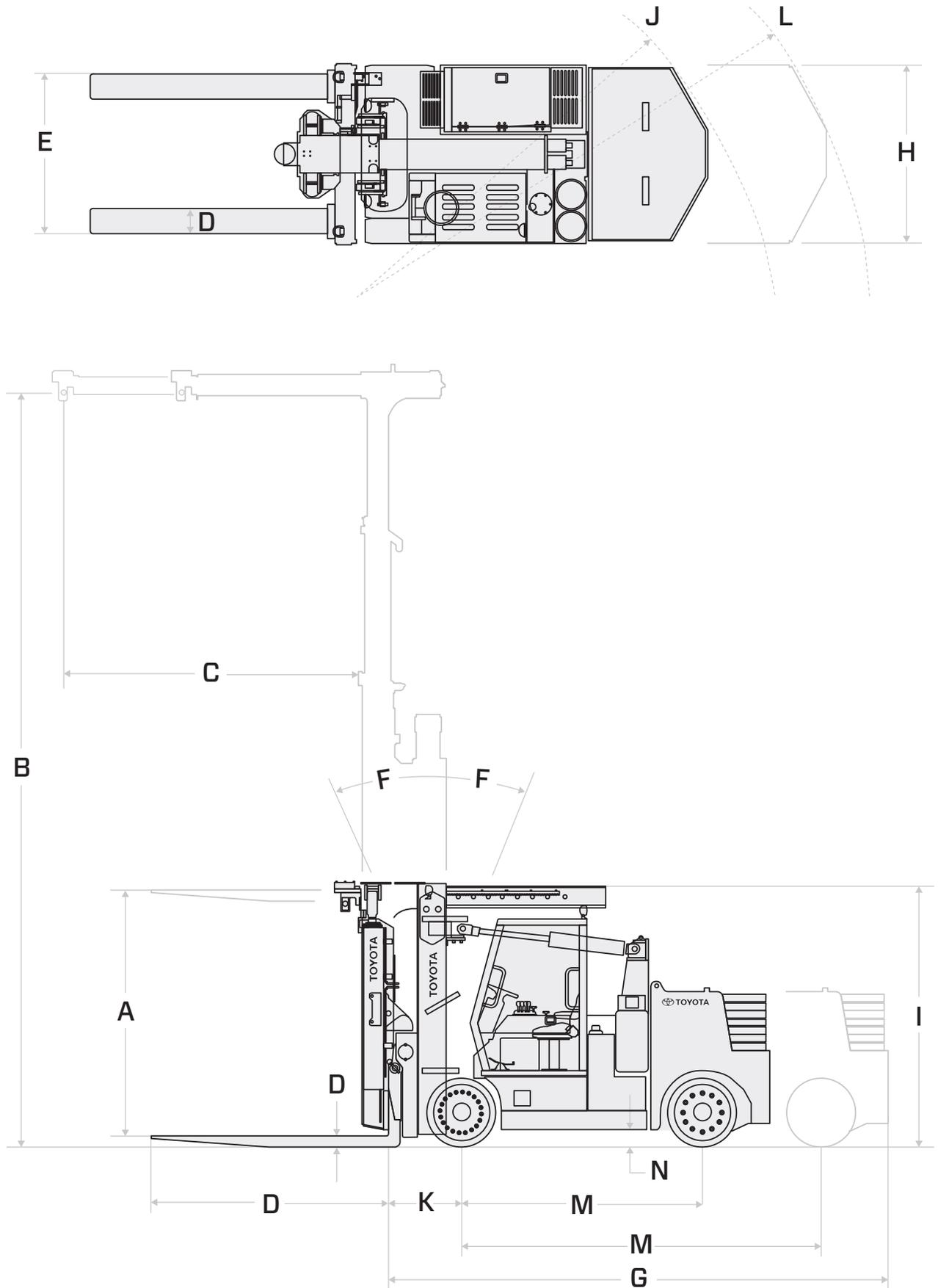
¹ Centerline of front axle to front face of forks

² Add load length and clearance

³ Values taken at hydraulic control valve. Does not take into consideration losses through mast plumbing (hosing, fittings, QD's, etc.).



EXTERIOR DIMENSIONS



MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		Load Capacity at 36 in. (914 mm) Load Center	Load Capacity at 36 in. (914 mm) Load Center
		LOWERED	WITHOUT STANDARD LOAD BACKREST	FWD	BWD	Forks Only (STD) (Retracted/Extended)	Hydraulic Boom (STD) (Retracted/Extended)
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
THDA40/60							
Full Free-Lift 2-Stage (FV)	104.5 (2654.3)	107 (2717.8)	31 (787)	12	7	41600 (18869) / 61400 (27851)	33600 (15241) / 49100 (22271)
	122 (3098.8)	118 (2997.2)	32.5 (825)	12	7	41600 (18869) / 61400 (27851)	33600 (15241) / 49100 (22271)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		Load Capacity at 36 in. (914 mm) Load Center	Load Capacity at 36 in. (914 mm) Load Center
		LOWERED	WITHOUT STANDARD LOAD BACKREST	FWD	BWD	Forks Only (STD) (Retracted/Extended)	Hydraulic Boom (STD) (Retracted/Extended)
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
THDA60/80							
Full Free-Lift 2-Stage (FV)	107 (2717.8)	118 (2997.2)	37 (939)	10	7	60000 (27216) / 80000 (36287)	48200 (21863) / 64800 (29393)
	132 (3352.8)	130 (3302)	59.75 (1517.7)	10	7	60000 (27216) / 80000 (36287)	48200 (21863) / 64800 (29393)

Some product features described herein are optional. Please consult your dealer for specifications. Details of specifications and equipment are based on information available at time of printing and may change without notice. Photos may not reflect physical trucks.



THDAWB4080SS

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