

# HIGH-CAPACITY ADJUSTABLE WHEELBASE



25000 - 35000 LBS.

SPECIFICATIONS



▶ THDA25/35

CLASS  
4

INTERNAL COMBUSTION ENGINE CUSHION TIRE

[ToyotaForklift.com](http://ToyotaForklift.com)

## HIGH-CAPACITY ADJUSTABLE WHEELBASE

CAPACITY  
**25000 - 35000 LBS.**

MAX. COUNTERWEIGHT EXTENSION LENGTH  
**36 IN.**

MAX FORK HEIGHT  
**95 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)
- Audible alarm used in conjunction with visual warnings

### PERFORMANCE

- PSI 2.4L 4-cylinder engine (LP/Gas)
- 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
- Onboard Diagnostics
- Selectable normal/creep mode

### 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
- Stainless steel hardware

### 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
- Bolt-on lexan top panel on top of operator guard
- Onboard tool/storage box in operator compartment

### SERVICEABILITY

- Quick-Change Fork System for quick connect/disconnect of forks and boom
- Pin type mechanical carriage w/ pushers
- 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
- 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
- Adjustable LP bottle mounting bracket for 33lb or 43lb LP cylinders
- Emergency lowering override

<sup>1</sup> Consult your local, authorized Toyota dealer for customization options and pricing.

## OPTIONAL EQUIPMENT

### MASTS

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

### CARRIAGE

- Integral Side Shifting Fork Positioner (Dependent)
- Integral Fork Positioner (Independent)
- Mechanical Carriage - Fork on Pin
- Standard Tapered Forks
- Fully-Tapered Forks
- Less Forks<sup>1</sup>

### BOOM

- Less Machinery Boom and Stand
- Hydraulic Machinery Boom and Stand
- Lifting Ring Assembly (2nd Position Lift Point)
- Boom Shackle
- Boom Shackle and Hook
- Extended Inner Horizontal Section, 6" (manual)
- Extended Inner Horizontal Section, 12" (manual)
- Extended Inner Horizontal Section, 18" (manual)
- Hydraulically Powered Intermediate Horizontal Stage

### CHASSIS

- Special Paint (One Color)<sup>1</sup>
- Grooved Poly Drive Tires

### SEATS & SEATBELTS

- Air Ride Seat

### STEERING & OPERATION

- Traction Control

### LIGHTS

- Amber Strobe Light
- Forward Facing Blue Light (Key Switch Activated)
- Rear Facing Blue Light (Key Switch Activated)
- Safety Spot, Blue (Forward and Reverse, Key Switch Activated)
- Forward Facing Red Light (Key Switch Activated)
- Rear Facing Red Light (Key Switch Activated)
- Safety Spot, Red (Forward and Reverse, Key Switch Activated)
- Extra Work Lights - LED Forward Facing (pair)
- Programmable LED Work Lights, Pair
- Side Mount 'Red Zone' Pedestrian Light

### INDICATORS & MISC.

- Backup Alarm
- Rear Camera System Visibility Aid
- 360 Degree Camera System Visibility Aid
- Fire Extinguisher (5 lb)
- Pre-Operation Checklist<sup>1</sup>
- Remote Control
- AC Charger for Remote Control
- Jumpstart Receptacle, Studs

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

## TRUCK SPECIFICATIONS

### MODEL NUMBERS

GENERAL DATA				THDA25/35
Load Capacity	Retracted / Extended		lb (kg)	16400 (7439) / 24000 (10886)
Power Type	LP/Gas			
Operator Position	Seated Rider / LH Seat			
Tire Type	Front / Rear		Cushion / Cushion	
Wheels (x = driven)	Front / Rear		2x/2	
EXTERIOR DIMENSIONS				THDA25/35
<b>A</b>	Maximum Fork Height (top of forks)		in (mm)	95.0 (2413)
<b>B</b>	Maximum Boom Lifting Height		in (mm)	264.0 (6705.6)
<b>C</b>	Maximum Boom Extension Length		in (mm)	96.0 (2438.4)
	Free Lift (top of forks)		in (mm)	22 (558.8)
<b>D</b>	Fork Size (T x W x L)		in (mm)	3.50 (88.9) x 8.0 (203.2) x 96 (2438.4)
<b>E</b>	Fork Spread Max. / Min.		in (mm)	54.63 (1387.6) / 4.75 (120.7)
<b>F</b>	Tilt Range (forward / backward)		deg	11/6
<b>G</b>	Length to Fork Face		in (mm)	129.4 (3287.8) / 165.4 (4202.2)
<b>H</b>	Overall Width		in (mm)	62 (1574.8)
<b>I</b>	Mast Lowered Height		in (mm)	95.0 (2413)
	Mast Extended Height (top of load backrest)		in (mm)	165.0 (4191.0)
	Overhead Guard Height		in (mm)	86.79 (2204.5)
<b>J</b>	Turning Radius (outside)		in (mm)	114.0 (2895.6) / 147.0 (3733.8)
<b>K</b>	Load Distance <sup>1</sup>		in (mm)	26.4 (671.6)
<b>L</b>	Basic Right-Angle Stacking Aisle Width <sup>2</sup>		in (mm)	140 (3556) / 173 (4394)
TRUCK WEIGHTS				THDA25/35
Total Weight (empty)			lb (kg)	33910 (15381)
Weight Distribution	Full Load <sup>4</sup>	Front	lb (kg)	53040 (24059)
		Rear	lb (kg)	16260 (7375)
	No Load	Front	lb (kg)	12280 (5570.1)
		Rear	lb (kg)	21630 (9811.2)
TIRES				THDA25/35
Tires	Number (front / rear)		2/2	
	Size (OD x W x ID)	Front	28 X 16 X 22	
		Rear	22 X 8 X 16	
<b>M</b> Wheelbase	Retracted / Extended		in (mm)	76.0 (1930.4) / 112.0 (2844.8)
Tread Width	Front		in (mm)	48.63 (1235.2)
	Rear		in (mm)	47.9 (1218.4)
Underclearance (full load)	Minimum with Load		in (mm)	4.0 (101.6)
	<b>N</b> Center of Wheelbase		in (mm)	4.75 (120.6)
Brake	Service (foot) / Parking (hand)		Hydrostatic / Mechanical	
POWER SYSTEM				THDA25/35
Internal Combustion Engine	Make / Model		PSI 2.4L	
	Rated Horsepower @ rpm	SAE HP	63.2 @ 2800	
	Rated Torque @ rpm	SAE ft-lb	123.9 @ 1600	
	Number of Cylinders		4	
Transmission	Type		Hydrostatic	
	Speeds (forward / reverse)		2 / 2	
Auxiliary Hydraulic Function Specifications (for attachments) <sup>3</sup>	Max. Operating Pressure	psi (kg/cm <sup>2</sup> )	2500 (175.8)	
	Max. Flow Rate	gpm (lpm)	24.2 (91.6)	

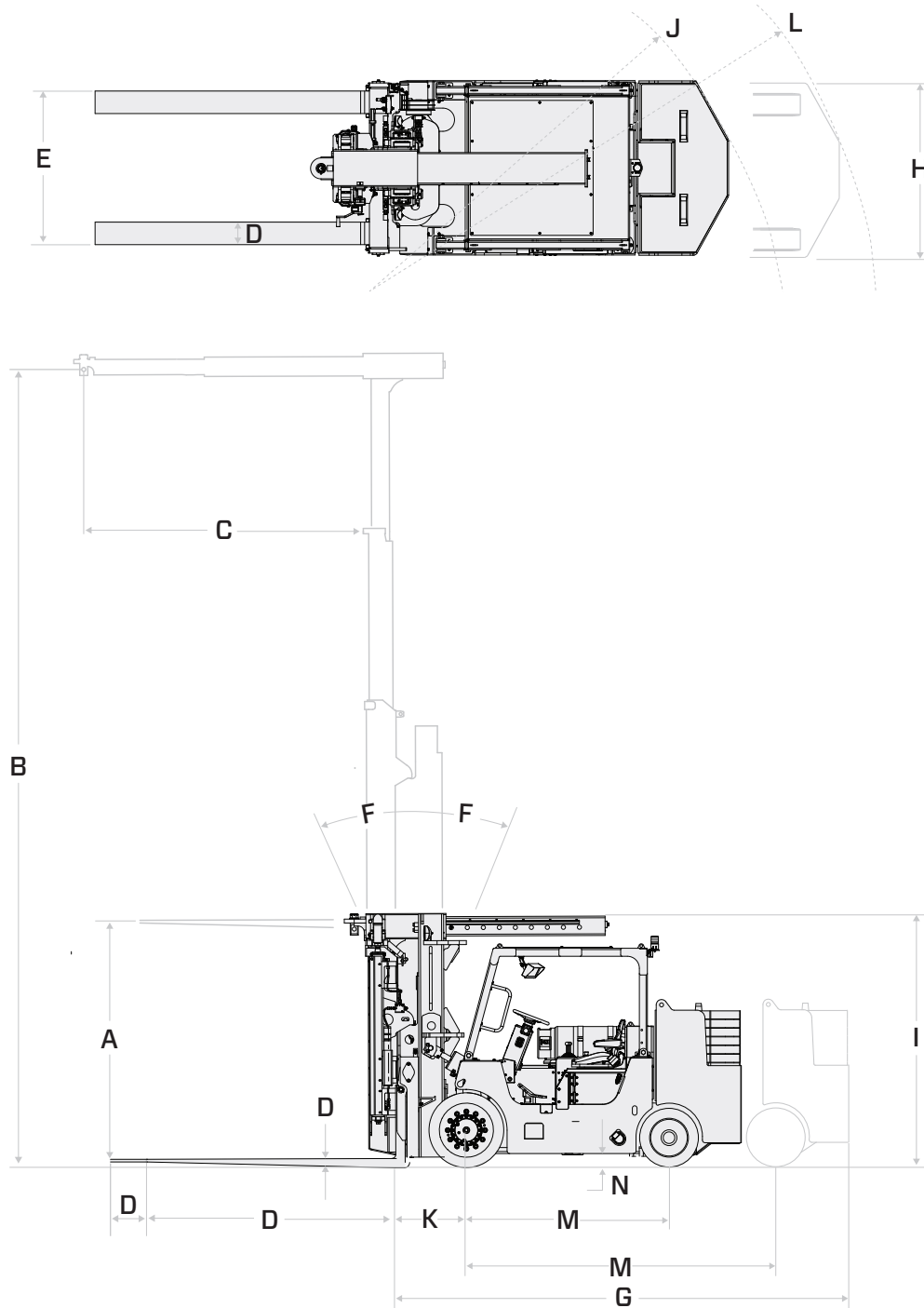
<sup>0</sup> Computed values

<sup>1</sup> Centerline of front axle to front face of forks

<sup>2</sup> Add load length and clearance

<sup>3</sup> 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) in (mm)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		Load Capacity at 24 in. (610mm) Load Center	Load Capacity at 24 in. (610mm) Load Center
		LOWERED in (mm)	WITHOUT STANDARD LOAD BACKREST in (mm)	FWD deg	BWD deg	Forks Only (STD) (Retracted/Extended) lb (kg)	Hydraulic Boom (STD) (Retracted/Extended) lb (kg)
<b>THDA25/35</b>							
Full Free-Lift 2-Stage (FV)	95 (2413)	95 (2413)	22 (559)	11	6	24500 (11113) / 36200 (16420)	19000 (8618) / 28300 (12837)
	119 (3022.6)	107 (2717.8)	22 (559)	11	6	24500 (11113) / 36200 (16420)	19000 (8618) / 28300 (12837)
	165 (4191)	132 (3352.8)	22 (559)	11	6	24500 (11113) / 36200 (16420)	19000 (8618) / 28300 (12837)



CAUTION  
LOW OVERHEAD  
CLEARANCE

4C

TOYOTA

TOYOTA

S

S



FR-SERIES

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.



THDAWB2535SS

©2023 Toyota Material Handling, Inc.