# LOADED CONTAINER HANDLER



UP TO 90000 LBS. (45 TON) CAPACITY

**SPECIFICATIONS** 



# CAPACITY UP TO 90000 LBS.

WHEELBASE **236 - 275 IN.** 

LOAD CENTER 97 IN.

#### INDUSTRIAL



Intermodal/Port

### STANDARD FEATURES

#### **SUPPORT**

- Electric horn
- Asbestos-free components
- Neutral safety switch
- Integrated overhead guard
- Operator restraint system seat
- Operator Presence Sensing System (OPSS)

#### PERFORMANCE

- CUMMINS® 8.9 liter, 6 cylinder Tier 4 Final diesel engine
- Common-rail electronic fuel injection system
- Turbocharged & intercooled
- Self-regenerating DPF
- Selective Catalytic Reduction (SCR)
- Dana model 36000 transmission with 3 forward & 3 reverse speeds
- Tilt position indicator
- Suspended attachment with four ISO twistlocks
- Extendable/retractable to 20'
   & 40' pick points
- Large LED twistlock engagement indicator lights
- Interlock safety system to ensure proper locking

- 12" of side shift each way
- Hydraulic pile slope
- Load sensing, hydrostatic-powered steering
- Independent brake & brake/declutch pedals
- 3-spool main control valve (lift, tilt, attachment)
- · Load-sensing steering & brake pump
- Upswept exhaust
- Warning lights
- Battery charge
- Low engine oil pressure
- High transmission oil temperature
- Park & service brake
- Low fuel level
- Water in fuel
- High engine water temperature

- Clogged air filter
- Hydraulic transmission filter
- Lockable battery isolator
- 7" touch-screen multi-function display
- Fuel gauge
- Hour meter
- Speedometer/Tachometer
- Water temperature gauge
- Engine oil pressure indicator
- Parking brake indicator
- DEF fluid indicators
- Turn signal indicators
- Estimated load weight indicator
- Service and operator manuals
- Pre-operation checklist (upon request)1
- Pin code entry system
- Fuse/relay diagnostics

#### DURABILITY

- Force-cooled wet disc brakes
- Planetary drive axle rated for durability in high-capacity, off-road applications
- Heavy-duty, welded steer axle
- · Rigidly constructed welded frame
- Precleaner

- Engine protection system
- High-capacity cooling system
- Open core radiator with fan shroud
- Welded-nested mast rails
- 12-volt electrical system with 12V starter motor & alternator
- Two 12V batteries, each rated at 1300 cold cranking amps
- Two-stage heavy-duty air cleaner
- 2 stage wide visible mast (V)
- Polymer steer axle articulation stops

#### ERGONOMICS/CABIN

- LED forward-facing cab-mounted headlights (4)
- LED forward-facing front fender-mounted headlights (2)
- LED forward-facing mast-mounted headlights (2)
- LED forward-facing attachment-mounted spreader headlights (4)
- LED rearward-facing lights (2)
- LED forward-facing gallow lights (2)
- Stairway lighting
- Strobe light

- Forward & reverse travel alarms
- Single multifunction joystick control handle
- Key off headlights
- Side-view mirrors (right & left sides)
- Front indicator lights
- Rear combination lights (stop/turn/tail/back up) (2)
- Elevated operator cab (rear mounted)
- Dashless cab design for improved visibility
- Onboard load weighing system
- Front & rear windshield washer/wiper
- Top mounted windshield washer/wiper

- Individually controlled front/rear wipers
- Cabin doors with sliding windows
- LED twistlock indicator lights inside cab
- Tilt steering column
- Left-hand directional shift lever
- Adjustable air-ride seat with retractable seat belts
- Lockable doors with greaseable hinges
- Cab heater & defroster
- Tinted glass to minimize glare
- Four turn lock-to-lock steering wheel

#### **SERVICEABILITY**

- Electronic engine diagnostics with fault code history
- Easy-access filters
- Hydraulic multi-gauge

- Externally serviceable brakes
- Hinged engine compartment doors with gas struts
- External attachment spreader cylinders
- Bolt-on tanks, counterweights, cab super-structure, and stairways (removable)
- Powertrain access panels with quick-release latches

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

#### **OPTIONAL EQUIPMENT**

#### **POWERTRAIN**

Precleaner
 Fitch fuel catalyst

#### LOAD HANDLING

- WTP/Pin module
- Rear container guides
- Twistlock snapshot camera system
- Trailer leg module (requires 275" wheelbase)
- Spreader beam slave attachments
- Container landing damage prevention system

#### **COLD START AID**

- Oil pan heater
- Engine block heater

- Hydraulic tank heater
- Fuel heater (diesel)

- Battery pad warmer
- Coolant preheater

#### CAB/CONTROLS

- Open cab (less doors, glass, wipers, heater)
- Air-conditioning
- AM/FM/CD with 2 speakers
- Auxillary 12V power supply (pass through studs)
- Top sunshade
- Rear sunshade
- Orange seatbelt
- Rearview mirror (center mount)
- Auxillary heater/front defrost
- Cab tilt
- 3-point seatbelt
- Floor-mounted computer stand

#### **CHASSIS**

• Counterweight towpin (recessed)

Bellypan kit

#### **INDICATORS & MISC.**

- Forward camera system visibility aid
- Rear camera system visibility aid
- Dual camera system visibility aid
- Onboard load weighing system (with tape printer)
- Fire extinguisher (5 lb. cab mount)
- Fire extinguisher (20 lb. chassis mount)
- Fire suppression system
- -twin agent auto/manual
- Rear object detection radar
- 4-corner object detection radar
- Shock sensor warning system (w/ logging)
- Tire pressure monitoring system
- 2nd position keyswitch twistlock override
- Ground level E-stop stations (1 each side)
- $\bullet$  Ground level monitoring kit (w/ DVR)
- French Canadian language

#### **ELECTRICAL**

• Jumpstart receptacle

#### LIGHTS/ALARMS

- Various HID work light upgrade options (fender & counterweight)
- Extra strobe (magnetic)

• Forward travel alarm

#### SERVICE/MAINTENANCE

- Central lubrication system
- Autolubrication system (chassis)
- Autolubrication system (spreader)
- Engine oil purification system
- Onboard battery trickle charger
- Onboard standalone generator

#### PAINT (REQUIRES PAINT CODE & MAP)

- Custom color (single or dual)
- Chevron striping on counterweight
- Intermodal tire striping

#### TIRE/WHEEL

- Foam-filled pneumatic tires
- Solid pneumatic tires (lugged)
- Solid pneumatic tires (smooth)

### TRUCK SPECIFICATIONS

#### MODEL NUMBERS

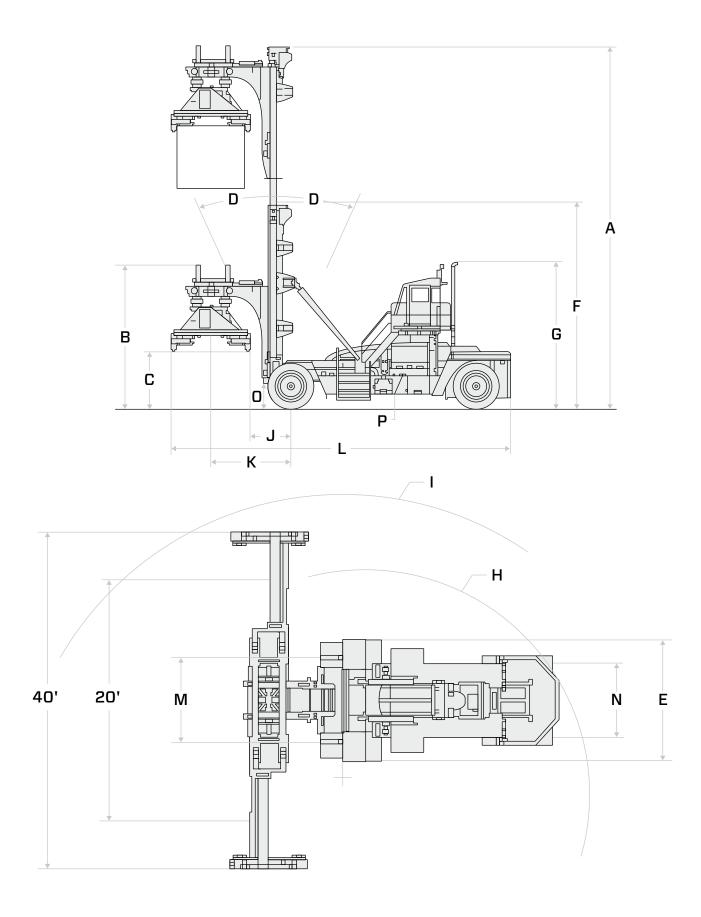
ENERAL DATA				MODEL NUMBERS				
				THD9000-L3	THD9000-L4			
ad Capacity (at 97" Load Center)			lb (kg)	90000 (40823) - 2 High	90000 (40823) – 2 High			
oad Capacity (at 97" Load Center)			lb (kg)	90000 (40823) - 3 High	85000 (38556) - 4 High			
oad Center			in (mm)	97 (2464)	97 (2464)			
ower Type				Diesel	Diesel			
perator Position				Seated Rider	Seated Rider			
ire Type	Front / Rear			Pneumatic	Pneumatic			
/heels (x = driven)	Front / Rear			4x/2	4x/2			
EXTERIOR	RDIMENSIONS			THD9000-L3	THD9000-L4			
			in (mm)	507 (12878)				
A Mast Extended Height				, ,	623 (15824)			
Free Lift	on of Attachment (Lawers	od) (Tv/Mv/L)	in (mm)	0 (0)	0 (0)			
	op of Attachment (Lowere	eu) (I X VV X L)	in (mm)	216 (5486)	216 (5486)			
	op of Twistlock (Raised)		in (mm)	382.6 (9718)	498.6 (12664)			
	op of Twistlock (Lowered)		in (mm)	90 (2286)	90 (2286)			
	(Forward / Backward)		deg	5/10	5/10			
E Overall Wid			in (mm)	172 (4369)	172 (4369)			
F Mast Lower			in (mm)	257 (6528)	315 (8001)			
	Guard Height (Top of Cab)		in (mm)	196 (4978)	196 (4978)			
	dius (Outside)		in (mm)	320 (8128)	320 (8128)			
	dius (With 40 ft. Containe	r)	in (mm)	386 (9804)	386 (9804)			
J Length to L (Centerline	Load Face e of Front Axle to Front Fac	e of Attachment)	in (mm)	37 (940)	37 (940)			
	oad (Centerline of Front A		in (mm)	97 (2464) / 106 (2692)	97 (2464) / 106 (2692)			
	t-Angle Stacking Aisle Wid		in (mm)	522 (13259) / 601 (15265)	522 (13259) / 601 (15265)			
(Includes 2	24" Safety Margin) 20 ft./	40 II. GUIII.		THD9000-L3	THD9000-L4			
.HP ONWANCE L		Full Load	mph (km/h)	19.2 (30.9)	19.2 (30.9)			
	Maximum Travel (forward / reverse)	No Load	mph (km/h)	19.2 (30.9)	19.2 (30.9)			
	(ioimara) rotoroo)							
eeds	Lifting	Full Load	fpm (mm/sec)	47 (239)	47 (239)			
		No Load	fpm (mm/sec)	50 (254)	50 (254)			
	Lowering	Full Load	fpm (mm/sec)	60 (300)	60 (300)			
	_	No Load	fpm (mm/sec)	60 (300)	60 (300)			
awbar Pull	Maximum	Full Load	lb (kg)	26572 (12053)	26392 (11971)			
		No Load	lb (kg)	28372 (12869)	28192 (12788)			
	1 mph (1.5km/h)	Full Load	%	7.1	6.7			
radeability	Maximum	Full Load	%	11.5	11.1			
		No Load	%	18.4	17.4			
RUCK WEIGHTS				THD9000-L3	THD9000-L4			
RUCK WEIGHTS			lb (kg)	THD9000-L3 168578 (76466)	THD9000-L4 177568 (80544)			
tal Weight	Full Load (front / rear)							
eight			lb (kg)	168578 (76466) 225851 (102445) / 32727 (14845)	177568 (80544) 234841 (106523) / 32727 (14845)			
tal Weight eight I	Full Load (front / rear)			168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)			
eight stribution	Full Load (front / rear) No Load (front / rear)	001)	lb (kg)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430) THD9000-L3	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430) THD9000-L4			
otal Weight leight stribution	Full Load (front / rear) No Load (front / rear) Number (front / r	· ·	lb (kg)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430) THD9000-L3 4 / 2	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430) THD9000-L4 4 / 2			
otal Weight leight I stribution I RES	Full Load (front / rear) No Load (front / rear)	· ·	lb (kg) lb (kg)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430) THD9000-L3 4 / 2 18.00-25-40PR / 18.00-25-40PR	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430) THD9000-L4 4 / 2 18.00-25-40PR / 18.00-25-40PR			
tal Weight eight   I stribution   I RES res	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)	· ·	Ib (kg) Ib (kg) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430) THD9000-L4 4 / 2 18.00-25-40PR / 18.00-25-40PR 236 (5994)			
tal Weight eight stribution I RES res heelbase M Tread Widt	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)	· ·	Ib (kg) Ib (kg) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430) THD9000-L4 4 / 2 18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048)			
otal Weight leight stribution IRES res 'heelbase M Tread Widt N Tread Widt	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)		ib (kg) ib (kg) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667)			
tal Weight eight stribution  RES res heelbase M Tread Widt N Tread Widt	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance Minimum with Lo	) add	in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406)			
res res res M Tread Widt N Tread Widt Underclear (full load)	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance	) add asse	ib (kg) ib (kg) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533)			
tal Weight eight stribution  RES res heelbase M Tread Widt N Tread Widt	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance Minimum with Lo	) add asse	in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406)			
tal Weight eight stribution  RES  res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance	) add asse	in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533)			
tal Weight sight I stribution I RES es neelbase M Tread Widt N Tread Widt O (full load) P Brake	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance	) add asse	in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD8000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper			
tal Weight eight   I stribution   I RES  res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake  DWER SYSTEM	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance	) add asse	ib (kg) lb (kg)  in (mm) in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4			
tal Weight eight stribution  RES  res  heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance	ad pase Parking	ib (kg) lb (kg)  in (mm) in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4			
tal Weight sight I stribution I RES es neelbase M Tread Widt N Tread Widt O (full load) P Brake	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front) th (rear) rance Center of Wheelb Service (foot) / F	ad pase Parking	ib (kg) ib (kg) in (mm) in (mm) in (mm) in (mm) in (mm)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12 CUMMINS 8.9L QSL9	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12 CUMMINS 8.9L QSL9			
tal Weight sight I stribution I RES es neelbase M Tread Widt N Tread Widt O (full load) P Brake DWER SYSTEM ttery	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance	pad pase Parking er @ rpm	ib (kg) ib (kg) in (mm) in (mm) in (mm) in (mm) V  SAE HP	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12 CUMMINS 8.9L QSL9 380 @ 2100			
tal Weight eight   I stribution   I RES  res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake DWER SYSTEM attery	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance  Center of Wheelt  Service (foot) / F  Make / Model  Rated Horsepow	pad pase Parking er @ rpm	ib (kg) ib (kg) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100)			
res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake DWER SYSTEM attery	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance	rad pase Parking er @ rpm	ib (kg) ib (kg) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW) SAE ft-lb	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500			
tal Weight eight   I stribution   I RES  res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake DWER SYSTEM attery	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance Center of Wheelb Service (foot) / F  Make / Model Rated Horsepow  Rated Torque @ I Number of Cylinc	rad base Parking er @ rpm - rpm - ders	in (mm) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW) SAE ft-lb (N-m)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6			
res res res M Tread Widt N Tread Widt Underclear (full load)	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance Center of Wheelb Service (foot) / F  Make / Model Rated Horsepow  Number of Cylinc Piston Displacen	rad base Parking er @ rpm - rpm - ders	in (mm) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW) SAE ft-lb (N-m)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815)			
tal Weight eight   I stribution   I RES  res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake DWER SYSTEM attery	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance Center of Wheelb Service (foot) / F  Make / Model Rated Horsepow  Number of Cylinc Piston Displacen Fuel Tank Capaci	rad base Parking er @ rpm - rpm - ders	in (mm) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW) SAE ft-lb (N-m)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815) 155 (587)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815) 155 (587)			
telight leight stribution  RES  res  Theelbase  M Tread Widt N Tread Widt O Underclear (full load) P Brake  DWER SYSTEM attery	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance Center of Wheelt Service (foot) / F  Make / Model Rated Horsepow  Rated Torque @ I Number of Cylind Piston Displacen Fuel Tank Capaci Type	rad pase Parking er @ rpm rpm ders nent	in (mm) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW) SAE ft-lb (N-m)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815) 155 (587) POWERSHIFT - AUTOSHIFT	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815) 155 (587) POWERSHIFT - AUTOSHIFT			
tal Weight eight stribution  RES  res heelbase M Tread Widt N Tread Widt O Underclear (full load) P Brake DWER SYSTEM attery  ternal Combustic	Full Load (front / rear)  No Load (front / rear)  Number (front / rear)  Size (front / rear)  th (front)  th (rear)  rance Center of Wheelt Service (foot) / F  Make / Model Rated Horsepow  Rated Torque @ I Number of Cylinc Piston Displacen Fuel Tank Capaci Type Speeds (forward	and base Parking er @ rpm	in (mm) in (mm) in (mm) in (mm) in (mm) V  SAE HP (kW) SAE ft-lb (N-m)	168578 (76466) 225851 (102445) / 32727 (14845) 90470 (41037) / 78108 (35430)  THD9000-L3  4 / 2  18.00-25-40PR / 18.00-25-40PR 236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L3  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815) 155 (587)	177568 (80544) 234841 (106523) / 32727 (14845) 99460 (45115) / 78108 (35430)  THD9000-L4  4 / 2  18.00-25-40PR / 18.00-25-40PR  236 (5994) 120 (3048) 105 (2667) 16 (406) 21 (533) Wet disc / Caliper  THD9000-L4  12  CUMMINS 8.9L QSL9 380 @ 2100 (283 @ 2100) 1201 @ 1500 (1628 @1500) 6 660 (10815) 155 (587)			

### TRUCK SPECIFICATIONS

#### MODEL NUMBERS

					MODEL NOMBERO				
ENERAL DAT	A				THD8600-L5	THD8000-L6			
Load Capacity (at 97" Load Center)		lb (kg)	86000 (39009) - 2 High	80000 (36287) - 2 High					
Load Capacity (at 97" Load Center)		lb (kg)	76000 (34473) - 5 High	75000 (34020) - 6 High					
oad Center				in (mm)	97 (2464)	97 (2464)			
ower Type					Diesel	Diesel			
Operator Positio					Seated Rider	Seated Rider			
ire Type		t / Rear			Pneumatic	Pneumatic			
Vheels (x = driv		t / Rear			4x / 2	4x / 2			
XTERIOR DIN	IENSIONS				THD8600-L5	THD8000-L6			
A Mast Extended Height)		in (mm)	731 (18567)	847 (21514)					
Free Lift			in (mm)	0 (0)	0 (0)				
B Height 1	to Top of Attachi	nent (Lower	ed) (TxWxL)	in (mm)	216 (5486)	216 (5486)			
	to Top of Twistlo	ck (Raised)		in (mm)	606.6 (15408)	722.6 (18354)			
	to Top of Twistlo	ck (Lowered	)	in (mm)	90 (2286)	90 (2286)			
	ge (forward / ba	ckward)		deg	5/10	5/10			
E Overall				in (mm)	172 (4369)	172 (4369)			
	wered Height			in (mm)	373 (9474)	431 (10947)			
	ad Guard Height			in (mm)	196 (4978)	196 (4978)			
	Radius (Outside			in (mm)	320 (8128)	320 (8128)			
	Radius (With 40	) ft. Containe	er)	in (mm)	386 (9804)	386 (9804)			
	to Load Face line of Front Axl	to Front Fa	ce of Attachment)	in (mm)	37 (940)	37 (940)			
,			Axle to Center of Load)	in (mm)	97 (2464) / 106 (2692)	97 (2464) / 106 (2692)			
Basic Right-Angle Stacking Aisle Width (Includes 24" Safety Margin) 20 ft. / 40 ft. Cont.			in (mm)	522 (13259) / 601 (15265)	522 (13259) / 601 (15265)				
ERFORMANC		y) CU IL./	TO IL COIIL		THD8600-L5	THD8000-L6			
	Maximum	Travel	Full Load	mph (km/h)	19.2 (30.9)	20 (33)			
	(forward/		No Load	mph (km/h)	19.2 (30.9)	20 (33)			
			Full Load	fpm (mm/sec)	47 (239)	47 (239)			
peeds	Lifting		No Load	fpm (mm/sec)	50 (254)	50 (254)			
			Full Load	fpm (mm/sec)	60 (300)	60 (300)			
	Lowering		No Load	fpm (mm/sec)	60 (300)	60 (300)			
			Full Load	lb (kg)	26214 (11891)	24802 (11250)			
rawbar Pull	Maximum		No Load	lb (kg)	28014 (12707)	26602 (12067)			
	1 mph (1.5	(m/h)	Full Load	%	6.3	5.9			
radeability		,,	Full Load	%	10.7	9.8			
,	Maximum		No Load	%	16.5	15			
RUCK WEIGH	ITS				THD8600-L5	THD8000-L6			
	113			Un (Lee)					
otal Weight	F: III I /f:			lb (kg)	186500 (84596)	195374 (88621)			
Veight Distribution	Full Load (fro			lb (kg)	243773 (110575) / 32727 (14845)	252647 (114600) / 32727 (14845)			
	No Load (fro	nt / rear)		lb (kg)	108392 (49166) / 78108 (35430)	117266 (53192) / 78108 (35430)			
IRES					THD8600-L5	THD8000-L6			
ires		ber (front/			4/2	4/2			
	Size	(front / rea	r)		18.00-25-40PR / 18.00-25-40PR	21.00-25-40PR / 18.00-25-40PR			
/heelbase				in (mm)	236 (5994)	236 (5994)			
	Vidth (front)			in (mm)	120 (3048)	120 (3048)			
N Tread Width (rear)				in (mm)	105 (2667)	105 (2667)			
N Tread V		mum with Lo		in (mm)	16 (406)	16 (406)			
n Underc		Center of Wheelbase (O)		in (mm)	21 (533)	21 (533)			
o Underc (full loa	d) Cent				Wet dies / Coliner	Wet disc / Caliper			
O Underc (full loa P Brake (l	d) Cent	er of Wheel ice (foot) / I	Parking		Wet disc / Caliper				
O Underc (full loa P Brake (l	d) Cent		Parking		THD8600-L5	Wet disc / Caliper THD8000-L6			
O Underc (full loa P Brake (I	d) Cent		Parking	V					
O Underc (full loa P Brake (I	d) Cent P) Serv		Parking	V	THD8600-L5	THD8000-L6			
O Underc (full loa P Brake (I	d) Cent P) Serv Mak	ice (foot) / I		V SAE HP	THD8600-L5 12	THD8000-L6			
O Underc (full loa P Brake (I	d) Cent P) Serv Mak	ice (foot) / I			THD8600-L5 12 CUMMINS 8.9L QSL9	THD8000-L6 12 CUMMINS 8.9L QSL9			
O Underc (full loa P Brake (I DWER SYSTE	d) Cent P) Serv  Mak Rate	ice (foot) / l e / Model ed Horsepov	ver @ rpm	SAE HP	THD8600-L5 12 CUMMINS 8.9L QSL9 380 @ 2100	THD8000-L6 12 CUMMINS 8.9L QSL9 380 @ 2100			
O Underc (full loa P Brake (I OWER SYSTE attery	d) Cent P) Serv  Mak Rate	ice (foot) / I	ver @ rpm	SAE HP (kW)	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)			
O Underc (full loa P Brake (I OWER SYSTE attery	d) Cent P) Serv  Mak Rate	ice (foot) / l e / Model ed Horsepov	ver @ rpm	SAE HP (kW) SAE ft-lb	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500			
O Underc (full loa P Brake (I OWER SYSTE	d) Cent P) Serv  Mak Rate Num	ice (foot) / l e / Model ed Horsepov	ver @ rpm rpm ders	SAE HP (kW) SAE ft-lb	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)			
O Underc (full loa P Brake (I OWER SYSTE attery	d) Cent P) Serv  Mak Rate Num Pist	e / Model d Horsepov	ver @ rpm rpm ders ment	SAE HP (kW) SAE ft-lb (N-m)	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6			
O Underc (full loa P Brake (I OWER SYSTE attery	d) Cent P) Serv  Mak Rate Num Pist	e / Model d Horsepov d Torque @ aber of Cylin on Displacer Tank Capac	ver @ rpm rpm ders ment	SAE HP (kW) SAE ft-lb (N-m) cu in (cc)	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6  660 (10815)	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6  660 (10815)			
O Underco (full loa P Brake (I POWER SYSTE Battery  Internal Combusingine	d) Cent P) Serv  Mak Rate Num Pist Fuel Type	e / Model d Horsepov d Torque @ aber of Cylin on Displacer Tank Capac	ver @ rpm rpm ders ment	SAE HP (kW) SAE ft-lb (N-m) cu in (cc)	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6  660 (10815)  155 (587)	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6  660 (10815)  155 (587)			
o Underc (full loa	d) Cent P) Serv  Mak Rate  Num Piste Type Spe ulic Max	e / Model ed Horsepov ed Torque @ eiber of Cylin on Displacer Tank Capac	ver @ rpm rpm ders ment city	SAE HP (kW) SAE ft-lb (N-m) cu in (cc)	THD8600-L5  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6  660 (10815)  155 (587)  POWERSHIFT - AUTOSHIFT	THD8000-L6  12  CUMMINS 8.9L QSL9  380 @ 2100  (283 @ 2100)  1201 @ 1500  (1628 @1500)  6  660 (10815)  155 (587)  POWERSHIFT - AUTOSHIFT			

# **EXTERIOR DIMENSIONS**



## MAST SPECIFICATIONS

MAST TYPE	MAST EXTENDED HEIGHT	OVERALL MAST LOWERED HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY	
				FWD	BWD	2 HIGH @ 97" LOAD CENTER	3 HIGH @ 97" LOAD CENTER
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
THD9000-L3							
Wide Visible (V)	571 (14491)	257 (6528)	0 (0)	5	10	90000 (40823)	90000 (40823)

MAST TYPE		OVERALL MAST LOWERED HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY	
	MAST EXTENDED HEIGHT			FWD	BWD	2 HIGH @ 97" LOAD CENTER	4 HIGH @ 97" LOAD CENTER
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
THD9000-L4							
Wide Visible (V)	623 (15824)	315 (8001)	0 (0)	5	10	90000 (40823)	85000 (83556)

MAST TYPE	MAST EXTENDED HEIGHT	OVERALL MAST LOWERED HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY	
				FWD	BWD	2 HIGH @ 97" LOAD CENTER	5 HIGH @ 97" LOAD CENTER
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
THD8600-L5							
Wide Visible (V)	731 (18567)	373 (9474)	0 (0)	5	10	86000 (39009)	76000 (34473)

MAST TYPE	MAST EXTENDED HEIGHT	OVERALL MAST LOWERED HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY	
				FWD	BWD	2 HIGH @ 97" LOAD CENTER	6 HIGH @ 97" LOAD CENTER
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)	lb (kg)
THD8000-L6							
Wide Visible (V)	847 (21514)	431 (10947)	0 (0)	5	10	80000 (36287)	75000 (34020)

TOYOTA

MATERIAL HANDLING