HIGH-CAPACITY ELECTRIC CUSHION

TOYOTA MATERIAL HANDLING

15000 – 40000 LBS.

SPECIFICATIONS



THDE1500-4000-24 | THDE3000-4000-30

CLASS 1

ELECTRIC MOTOR RIDERS

ToyotaForklift.com

CAPACITY	WHEELBASE	LOAD CENTER
15000 – 40000 LBS.	75 – 92 IN.	24 - 30 IN.

INDUSTRIES

Factory · Beverage · Food Processing · Food Storage · General Manufacturing · Retail

STANDARD FEATURES

DURABILITY

- Heavy Duty Planetary Drive Axle
- Heavy Duty Mast Rails
- Large Drum-Type Brakes
- High Visibility Carriage With Integral Side Thrust Rollers
- 72/80 Volt Electrical System
- 2 Stage Wide Visible Mast (V)
- Rigidly Constructed, Welded Frame
- Hook-Type Forks

SUPPORT

- Electrical Horn
- Bolt-On Overhead Guard
- Operator Restraint System Seat
- Orange Forks
- Operator Presence Sensing System (Opss)
- Anti-Static Strap
- Counterweight Towpin

PERFORMANCE

- Drive And Pump Motors Digitally Controlled By AC Inverter With Regenerative Braking And Can-Bus Interface
- Load Sensing, On-Demand Hydraulic System
- 2-Function Hydraulic Control Valve (Lift/Tilt)
- Full Hydraulic Power Steering
- Tilt Lock Valve
- Flow Limiters
- Dual Brake Pedals
- 7” Touch-Screen Multi-Function Display
  - Battery Discharge Indicator
  - Hour Meter
  - Drive/Pump Motor Indicators
  - Inverter Temperature Indicators
  - Estimated Load Weight Indicator
  - Service And Operator Manuals
  - Pre-Operation Checklist (Upon Request)[1]
  - PIN Code Entry System

ERGONOMICS

- Mast Mounted LED Headlights (2)
- LED Rear Combination Lights (2)
- Fully Sealed Headlights And Auxiliary Lights
- Hood Mounted Hydraulic Controls
- Tilt Steering Column
- Hood Mounted Clipboard And Cup Holder
- Left-Hand Shift Lever
- Long Operator Assist Grips
- Vinyl Adjustable Semi-Suspension Seat
- Hand-Actuated Disc Type Parking Brake
- Low-Height Non-Skid Steps
- Padded Floor Cover
- Rubber Mounted Cab, Isolated From Frame
- 12v Power Inverter
- Dual USB Charger Socket

SERVICEABILITY

- Easy Access Hydraulic Pumps, Hoses, Tubes, And Wiring Harness
- Easy Access Pump Motor
- Easy Access Filters
- Electronic Pressure Transducers
- Wire Harness Loom
- Flip-Open Hood
- Easy Access Drive Motor
- Hinged Side Door Panel

1 Consult your local, authorized Toyota Dealer for customization options and pricing.

OPTIONAL EQUIPMENT

MASTS
- Wide Visible Mast (V)
- Full-Free Lift Two-Stage Mast (FV)
- Full-Free Lift Three-Stage Mast (FSV)

TIRE
- Grooved Poly Drive Tires

CHASSIS OPTIONS
- Bellypan

CARRIAGE
- Carriage Bumper Blocks
- Class IV Carriage
- Class V Carriage
- Pin-Type Carriage
- Integral Side Shifting Fork Positioner
- Hang-on Fork Positioner
- Hang-on Side Shifting Fork Positioner
- Hang-on Sideshifter, Class IV
- Hang-on Sideshifter, Class V
- Tilt Control (Forward)
- Tilt Control (Rearward)
- Tilt Control (Forward & Rearward)
- Tilt Level Indicator
- Forks (Standard Taper)
- Coil Contour Forks
- Polypad, Forks

CABIN/OVERHEAD GUARD
- Operator Compartment Fan
- Lexan, Front
- Lexan, Top
- Cloth Semi-Suspension Seat
- Air Ride Seat
- Orange Seatbelt
- Steering Wheel w/ Knob
- Rear View Mirrors

BATTERY
- Battery Compartment, Top Cover
- Battery Compartment, Lock Bars
- Battery Compartment, Sliding Door
- Battery Compartment, Slides
- Battery Connector, SB Blue
- Battery Connector, SB Green
- Battery Connector, SBX Gray
- Battery Connector, SBX Blue
- Battery Connector, SBX Green
- Battery Connector, Euro
- Battery Discharge Indicator/Hour meter w/ Interrupt

LIGHTS/ALARMS
- Amber Strobe Light
- Blue Strobe Light
- Red Strobe Light
- Clear Strobe Light
- Amber Strobe Light (Additional)
- Blue Strobe Light (Additional)
- Red Strobe Light (Additional)
- Clear Strobe Light (Additional)
- Strobe Light Guard
- Forward Facing Blue Light*
- Rear Facing Blue Light*
- Forward & Rear Facing Blue Light*
- Forward Facing Red Light*
- Rear Facing Red Light*
- Forward & Rear Facing Red Light*
- Side Mount 'Red Zone' Pedestrian Light
- Turn Signal Light Kit
- Single Forward Facing LED Worklight (Additional)
- Single Rear Facing LED Worklight
- Extra Work Lights- LED Forward Facing (pair)
- Extra Work Lights- LED Rearward Facing (pair)

HYDRAULIC
- Low Nitrogen Warning System, Steer/Brake Accumulator
- Lift Accumulator
- Tilt Accumulator

INDICATORS & MISC.
- Rear Pillar Assist Grip w/ Horn Button
- Forward Camera System Visibility Aid
- Rear Camera System Visibility Aid
- Dual Camera System Visibility Aid
- Overload Warning System
- 5 lb. Fire Extinguisher
- Back-up alarm

* Key Switch Activated.
Not all options are available together or available on all models.
Please contact your local, authorized Toyota Dealer for a complete list of available options.

TRUCK SPECIFICATIONS

MODEL NUMBERS

GENERAL DATA			THDE1500-24	THDE1800-24	THDE2000-24	THDE2200-24
Load Capacity		lb (kg)	15000 (6804)	18000 (8165)	20000 (9072)	22000 (9979)
Load Center		in (mm)	24 (610)	24 (610)	24 (610)	24 (610)
Power Type			Battery	Battery	Battery	Battery
Operator Position			Seated Rider / Center Seat	Seated Rider / Center Seat	Seated Rider / Center Rider	Seated Rider / Center Seat
Tire Type	Front/Rear		Cushion / Cushion	Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
Wheels (x = driven)	Front / Rear		2x/2	2x/2	2x/2	2x/2

EXTERIOR DIMENSIONS			THDE1500-24	THDE1800-24	THDE2000-24	THDE2200-24
A	Maximum Fork Height (top of forks)	in (mm)	118.40 (3007.4)	118.40 (3007.4)	98.82 (2510.0)	98.82 (2510.0)
B	Free Lift (top of forks)	in (mm)	0 (0)	0 (0)	0 (0)	0 (0)
C	Fork Size (T x W x L)	in (mm)	2.50 (63.5) x 6.00 (152.4) x 48 (1219)	2.50 (63.5) x 6.00 (152.4) x 48 (1219)	3.00 (76.2) x 7.00 (177.8) x 48 (1219)	3.00 (76.2) x 7.00 (177.8) x 48 (1219)
D	Fork Spread Max. / Min. (outer edge to edge)[1]	in (mm)	48.52 (1232.4) / 13.09 (332.4)	49.31 (1252.4) / 14.66 (372.4)	50.31 (1277.9) / 15.66 (397.8)	50.31 (1277.9) / 15.66 (397.8)
E	Tilt Range (forward / backward)	deg	6/8	6/8	6/8	6/8
F	Length to Fork Face	in (mm)	125.93 (3198.6)	128.86 (3273.0)	129.72 (3294.9)	129.72 (3294.9)
G	Overall Width	in (mm)	62.99 (1600.0)	62.99 (1600.0)	62.99 (3294.9)	62.99 (1600.0)
H	Mast Lowered Height	in (mm)	98.00 (2489.2)	98.00 (2489.2)	98.00 (2489.0)	98.00 (2489.2)
I	Mast Extended Height (top of load backrest)	in (mm)	166.03 (4217.2)	166.03 (4217.2)	156.13 (3965.7)	156.13 (3965.7)
J	Overhead Guard Height (top of strobe)	in (mm)	98.34 (2497.8)	98.34 (2497.8)	98.34 (2497.8)	98.34 (2497.8)
K	Turning Radius (outside)	in (mm)	109.87 (2790.7)	114.26 (2902.2)	114.26 (2902.2)	114.26 (2902.2)
L	Load Distance[2]	in (mm)	24.14 (613.2)	24.95 (633.7)	25.80 (65.3)	25.80 (655.3)
M	Basic Right-Angle Stacking Aisle Width[3]	in (mm)	134.01+Load (3403.9+Load)	139.21+Load (3535.9+Load)	140.06+Load (3557.5+Load)	140.06+Load (3557.5+Load)

PERFORMANCE DATA				THDE1500-24	THDE1800-24	THDE2000-24	THDE2200-24
Speeds	Maximum Travel (fwd. / rev.)	Full Load	mph (km/h)	5.2 (8.4)	5.0 (8.0)	4.7 (7.6)	4.6 (7.4)
		No Load	mph (km/h)	6.5 (10.5)	6.3 (10.1)	5.9 (9.5)	5.7 (9.2)
	Lifting	Full Load	fpm (mm/sec)	39.5 (201)	39.5 (201)	34.5 (176)	34.5 (176)
		No Load	fpm (mm/sec)	52 (264)	52 (264)	45.3 (230)	45.3 (230)
	Lowering	Full Load	fpm (mm/sec)	60 (305)	60 (305)	54 (275)	54 (275)
		No Load	fpm (mm/sec)	45 (228)	45 (228)	38 (193)	38 (193)
Drawbar Pull	Maximum	Full Load	lb (kg)	5792 (2627.2)	5703 (2586.8)	5624 (2551)	5568 (2525.6)
		No Load	lb (kg)	6017 (2729.2)	5973 (2709.3)	5924 (2687)	5898 (2675.2)
Gradeability @ .9 Coef*	Maximum	Full Load	%	15	12.8	11.3	10.4
		No Load	%	25.5	22.5	19.9	18.7

TRUCK WEIGHTS				THDE1500-24	THDE1800-24	THDE2000-24	THDE2200-24
Total Weight (empty)			lb (kg)	23600 (10705)	26500 (12020)	29800 (13517)	31500 (14288)
Weight Distribution (w/ min. battery)	Full Load	Front	lb (kg)	36190 (16415)	41560 (18851)	46470 (21078)	49840 (22607)
		Rear	lb (kg)	2410 (1095)	2940 (1333)	3330 (1510)	3660 (1660)
	No Load	Front	lb (kg)	11540 (5235)	11800 (5352)	13140 (5960)	13170 (5974)
		Rear	lb (kg)	12060 (5470)	14700 (6668)	16660 (7557)	18330 (8314)

TIRES				THDE1500-24	THDE1800-24	THDE2000-24	THDE2200-24
Tires	Number (front / rear)			2/2	2/2	2/2	2/2
	Size (OD x W x ID)	Front		28 X 14 X 22	28 X 14 X 22	28 X 14 X 22	28 X 14 X 22
		Rear		22 X 8 X 16	22 X 8 X 16	22 X 8 X 16	22 X 8 X 16
N Wheelbase			in (mm)	75.00 (1905.0)	75.00 (1905.0)	75.00 (1905.0)	75.00 (1905.0)
Tread Width		**O** Front	in (mm)	46.25 (1174.8)	46.25 (1214.6)	46.25 (1174.8)	46.25 (1174.8)
		P Rear	in (mm)	47.82 (1214.6)	47.82 (1214.6)	47.82 (1214.6)	47.82 (1214.6)
Underclearance (full load)	**Q** Minimum with Load		in (mm)	4.25 (108.0)	4.25 (108.0)	4.25 (108.0)	4.25 (108.0)
	R Center of Wheelbase		in (mm)	4.75 (120.7)	4.75 (120.7)	4.75 (120.7)	4.75 (120.7)
Brake	Service (foot) / Parking			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical

POWER SYSTEM				THDE1500-24	THDE1800-24	THDE2000-24	THDE2200-24
Batteries	Number			2	2	2	2
Battery (5-hour ratings)	Voltage/Capacity		V/Ah	36/1125	36 / 1125	36 / 1125	36 / 1125
	Min. Weight		lb	4380 (1986.7)	4800 (2177.2)	7200 (3265.9)	8400 (3810.2)
Electric Motors	Traction Motor (60 min. rating)		hp (kW)	42.5 (31.7)	42.5 (31.7)	42.5 (31.7)	42.5 (31.7)
	Pump Motor (15 min. rating)		hp (kW)	32.2 (24.0)	32.2 (24.0)	32.2 (24.0)	32.2 (24.0)
Auxiliary Hydraulic Function Specifications (for attachments)[4]	Max. Operating Pressure		psi (kg/cm2)	2250 (158.2)	2,250 (158.2)	2,250 (158)	2250 (158.2)
	Maximum Flow Rate		gpm (lpm)	20.6 (78)	20.6 (78)	20.6 (78)	20.6 (78)

* Computed values.
1 Measured with standard forks.
2 Centerline of front axle to front face of forks.
3 Add load length and clearance.
4 Values taken at hydraulic control valve. Does not take into consideration losses through mast plumbing (hosing, fittings, QD's, etc.).

				MODEL NUMBERS		
GENERAL DATA				**THDE3000-24**	**THDE3500-24**	**THDE4000-24**
Load Capacity			lb (kg)	30000 (13608)	35000 (15875)	40000 (18143)
Load Center			in (mm)	24 (610)	24 (610)	24 (610)
Power Type				Battery	Battery	Battery
Operator Position				Seated Rider / Center Seat	Seat Rider / Center Seat	Seated Rider / Center Rider
Tire Type			Front/Rear	Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
Wheels (x = driven)			Front / Rear	2x/2	2x/2	2x/2
EXTERIOR DIMENSIONS				**THDE3000-24**	**THDE3500-24**	**THDE4000-24**
A	Maximum Fork Height (top of forks)		in (mm)	103.50 (2628.9)	103.50 (2628.9)	108.75 (2762.3)
B	Free Lift (top of forks)		in (mm)	0 (0)	0 (0)	0 (0)
C	Fork Size (T x W x L)		in (mm)	3.50 (88.9) x 7.00 (177.8) x 48 (1219)	3.50 (88.9) X 7.00 (177.8) x 48 (1219)	4.00 (101.6) x 7.00 (177.8) x 48 (1219)
D	Fork Spread Max. / Min. (outer edge to edge)[1]		in (mm)	54.00 (1371.6) / 14.00 (355.6)	54.00 (1371.6) / 14.00 (355.6)	57.50 (1460.5) / 14.00 (355.6)
E	Tilt Range (forward / backward)		deg	6/7	6/7	8/6
F	Length to Fork Face		in (mm)	136.59 (3569.4)	139.59 (3545.6)	155.59 (3952.0)
G	Overall Width		in (mm)	64.57 (1640.1)	64.57 (1640.1)	72.44 (1840.0)
H	Mast Lowered Height		in (mm)	112.75 (2863.9)	112.75 (2863.9)	120.00 (3048.0)
I	Mast Extended Height (top of load backrest)		in (mm)	162.75 (2863.9)	162.75 (4133.9)	172.38 (4378.4)
J	Overhead Guard Height (top of strobe)		in (mm)	107.12 (2720.8)	107.12 (2720.8)	107.12 (2720.8)
K	Turning Radius (outside)		in (mm)	123.18 (3128.8)	125.68 (3192.3)	138.86 (3527.0)
L	Load Distance[2]		in (mm)	30.67 (799.0)	30.67 (779.0)	34.69 (881.1)
M	Basic Right-Angle Stacking Aisle Width[3]		in (mm)	153.85+Load (3907.8+Load)	156.35+Load (3971.3+Load)	173.55+Load (4408.2+Load)
PERFORMANCE DATA				**THDE3000-24**	**THDE3500-24**	**THDE4000-24**
Speeds	Maximum Travel (fwd. / rev.)	Full Load	mph (km/h)	4.1 (6.6)	4.0 (6.4)	3.7 (6.0)
		No Load	mph (km/h)	5.1 (8.2)	4.8 (7.7)	4.6 (7.4)
	Lifting	Full Load	fpm (mm/sec)	24 (122)	24 (122)	16 (81)
		No Load	fpm (mm/sec)	31.5 (160)	31.5 (160)	21 (106)
	Lowering	Full Load	fpm (mm/sec)	43 (218)	43 (218)	25 (127)
		No Load	fpm (mm/sec)	24 (122)	24 (122)	18 (91)
Drawbar Pull	Maximum	Full Load	lb (kg)	5267 (2389)	5136 (2329.6)	4982 (2259.7)
		No Load	lb (kg)	5717 (2593.1)	5661 (2567.7)	5582 (2531.9)
Gradeability @ .9 Coef*	Maximum	Full Load	%	7.1	6.2	5.4
		No Load	%	13.1	12	10.6
TRUCK WEIGHTS				**THDE3000-24**	**THDE3500-24**	**THDE4000-24**
Total Weight (empty)			lb (kg)	41600 (18869)	45300 (20548)	52600 (23859)
Weight Distribution	Full Load	Front	lb (kg)	66470 (30150)	74310 (33706)	86210 (39104)
		Rear	lb (kg)	5130 (2327)	5990 (2717)	6390 (2898)
	No Load	Front	lb (kg)	15940 (7230)	15360 (6967)	20670 (9376)
		Rear	lb (kg)	25660 (11639)	29940 (13580)	31930 (14483)
TIRES				**THDE3000-24**	**THDE3500-24**	**THDE4000-24**
Tires	Number (front / rear)			2/2	2/2	4/2
	Size (OD x W x ID)	Front		28 X 16 X 22	28 X 16 X 22	28 X 10 X 22
		Rear		22 X 10 X 16	22 X 10 X 16	22 X 12 X 16
N Wheelbase			in (mm)	80.00 (2032.0)	80.00 (2032.0)	92.00 (2336.8)
Tread Width		**O** Front	in (mm)	48.25 (1255.6)	48.25 (1225.6)	52.27 (1327.7)
		P Rear	in (mm)	50.28 (1277.1)	50.28 (1277.1)	52.28 (1327.9)
Underclearance (full load)	**Q** Minimum with Load		in (mm)	4.25 (108.0)	4.25 (108.0)	4.25 (108.0)
	R Center of Wheelbase		in (mm)	4.75 (120.7)	4.75 (120.7)	4.75 (120.7)
Brake	Service (foot) / Parking			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
POWER SYSTEM				**THDE3000-24**	**THDE3500-24**	**THDE4000-24**
Batteries	Number			2	2	2
Battery (5-hour ratings)	Voltage/Capacity		V/Ah	36 / 1250	36 / 1250	36 / 1250
	Min. Weight		lb	8400 (3810.2)	8400 (3810.2)	8400 (3810.2)
Electric Motors	Traction Motor (60 min. rating)		hp (kW)	42.5 (31.7)	42.5 (31.7)	42.5 (31.7)
	Pump Motor (15 min. rating)		hp (kW)	32.2 (24.0)	32.2 (24.0)	32.2 (24.0)
Auxiliary Hydraulic Function Specifications (for attachments)[4]	Max. Operating Pressure		psi (kg/cm2)	2250 (158.2)	2250 (158.2)	2250 (158.2)
	Maximum Flow Rate		gpm (lpm)	20.6 (78)	20.6 (78)	20.6 (78)

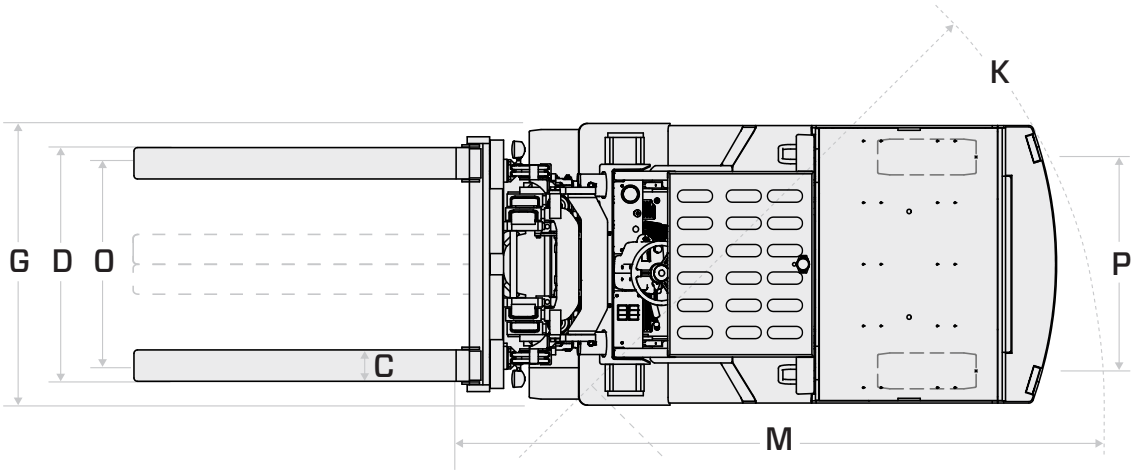
* Computed values.
1 Measured with standard forks.
2 Centerline of front axle to front face of forks.
3 Add load length and clearance.
4 Values taken at hydraulic control valve. Does not take into consideration losses through mast plumbing (hosing, fittings, QD's, etc.).

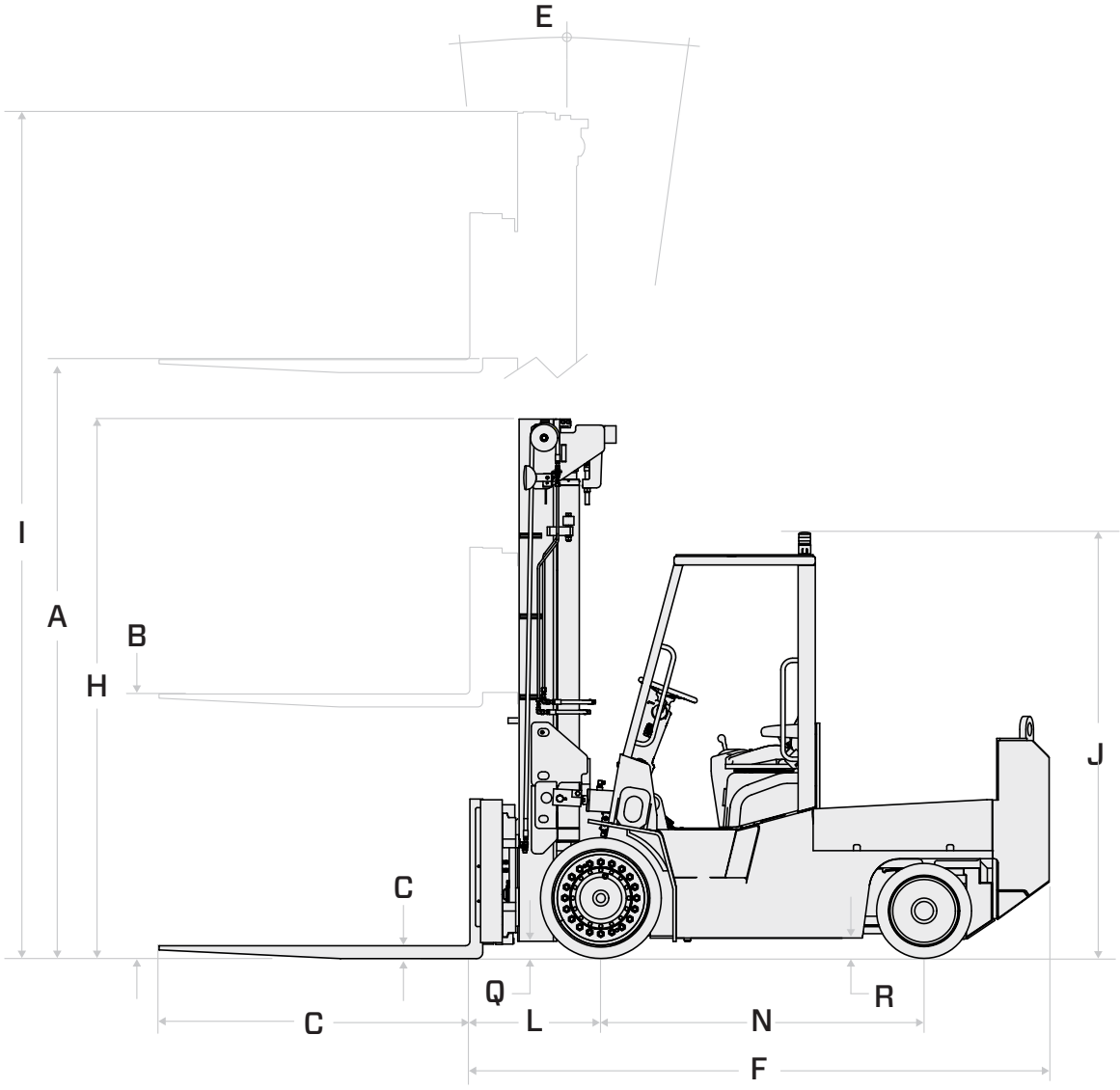
TRUCK SPECIFICATIONS

				MODEL NUMBERS		
GENERAL DATA				**THDE3000-30**	**THDE3500-30**	**THDE4000-30**
Load Capacity			lb (kg)	30000 (13608)	35000 (15875)	40000 (18143)
Load Center			in (mm)	30 (762)	30 (762)	30 (762)
Power Type				Battery	Battery	Battery
Operator Position				Seated Rider / Center Seat	Seat Rider / Center Seat	Seat Rider / Center Seat
Tire Type			Front/Rear	Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
Wheels (x = driven)			Front / Rear	2x/2	2x/2	2x/2
EXTERIOR DIMENSIONS				**THDE3000-30**	**THDE3500-30**	**THDE4000-30**
A	Maximum Fork Height (top of forks)		in (mm)	103.50 (2628.9)	108.75 (2762.3)	108.75 (2762.3)
B	Free Lift (top of forks)		in (mm)	0 (0)	0 (0)	0 (0)
C	Fork Size (T x W x L)		in (mm)	3.50 (88.9) x 7.00 (177.8) x 60 (1524)	4.00 (101.6) x 7.00 (177.8) x 60 (1524)	4.00 (101.6) x 7.00 (177.8) x 60 (1524)
D	Fork Spread Max. / Min. (outer edge to edge)[1]		in (mm)	54.00 (1371.6) / 14.00 (355.6)	57.50 (1460.5) / 14.00 (355.6)	57.50 (1460.5) / 14.00 (355.6)
E	Tilt Range (forward / backward)		deg	6/7	8/6	8/6
F	Length to Fork Face		in (mm)	139.59 (3545.6)	155.59 (3952.0)	155.59 (3952.0)
G	Overall Width		in (mm)	64.57 (1640.1)	72.44 (1840.0)	72.44 (1840.0)
H	Mast Lowered Height		in (mm)	112.75 (2863.9)	120.00 (3048.0)	120.00 (3048.0)
I	Mast Extended Height (top of load backrest)		in (mm)	162.75 (4133.9)	172.38 (4378.4)	172.38 (4378.4)
J	Overhead Guard Height (top of strobe)		in (mm)	107.12 (2720.8)	107.12 (2720.8)	107.12 (2720.8)
K	Turning Radius (outside)		in (mm)	125.68 (3192.3)	138.86 (3527.0)	138.86 (3527.0)
L	Load Distance[2]		in (mm)	30.67 (779.0)	34.69 (881.1)	34.69 (881.1)
M	Basic Right-Angle Stacking Aisle Width[3]		in (mm)	156.35+Load (3971.3+Load)	173.55+Load (4408.2+Load)	173.55+Load (4408.2+Load)
PERFORMANCE DATA				**THDE3000-30**	**THDE3500-30**	**THDE4000-30**
Speeds	Maximum Travel (fwd. / rev.)	Full Load	mph (km/h)	4.1 (6.6)	3.9 (6.3)	3.7 (6.0)
		No Load	mph (km/h)	5.0 (8.0)	4.7 (7.6)	4.5 (7.2)
	Lifting	Full Load	fpm (mm/sec)	24 (122)	16 (81)	16 (81)
		No Load	fpm (mm/sec)	31.5 (160)	21 (106)	21 (106)
	Lowering	Full Load	fpm (mm/sec)	43 (218)	25 (127)	25 (127)
		No Load	fpm (mm/sec)	24 (122)	18 (91)	18 (91)
Drawbar Pull	Maximum	Full Load	lb (kg)	5237 (2375.4)	5070 (2299.7	4932 (2237.1)
		No Load	lb (kg)	5687 (2579.5)	5595 (2537.8)	5532 (2509.2)
Gradeability @ .9 Coef*	Maximum	Full Load	%	6	5.9	5.1
		No Load	%	12.5	10.8	9.9
TRUCK WEIGHTS				**THDE3000-30**	**THDE3500-30**	**THDE4000-30**
Total Weight (empty)			lb (kg)	43600 (19777)	51700 (23451)	55900 (25356)
Weight Distribution	Full Load	Front	lb (kg)	67910 (30803)	80530 (36528)	88850 (40302)
		Rear	lb (kg)	5690 (2581)	6170 (2799)	7050 (3198)
	No Load	Front	lb (kg)	15130 (6863)	20900 (9480)	20700 (9389)
		Rear	lb (kg)	28470 (12914)	30800 (13971)	35200 (15966)
TIRES				**THDE3000-30**	**THDE3500-30**	**THDE4000-30**
Tires	Number (front / rear)			2/2	4/2	4/2
	Size (OD x W x ID)	Front		28 X 16 X 22	28 X 10 X 22	28 X 10 X 22
		Rear		22 X 10 X 16	22 X 12 X 16	22 X 12 X 16
N Wheelbase			in (mm)	80.00 (2032.0)	92.00 (2336.8)	92.00 (2336.8)
Tread Width		**O** Front	in (mm)	48.25 (1225.6)	52.27 (1327.7)	52.27 (1327.7)
		P Rear	in (mm)	50.28 (1277.1)	52.28 (1327.9)	52.28 (1327.9)
Underclearance (full load)	**Q** Minimum with Load		in (mm)	4.25 (108.0)	4.25 (108.0)	4.25 (108.0)
	R Center of Wheelbase		in (mm)	4.75 (120.7)	4.75 (120.7)	4.75 (120.7)
Brake	Service (foot) / Parking			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
POWER SYSTEM				**THDE3000-30**	**THDE3500-30**	**THDE4000-30**
Batteries	Number			2	2	2
Battery (5-hour ratings)	Voltage/Capacity		V/Ah	36 / 1250	36 / 1250	36 / 1250
	Min. Weight		lb	8400 (3810.2)	8400 (3810.2)	8400 (3810.2)
Electric Motors	Traction Motor (60 min. rating)		hp (kW)	42.5 (31.7)	42.5 (31.7)	42.5 (31.7)
	Pump Motor (15 min. rating)		hp (kW)	32.2 (24.0)	32.2 (24.0)	32.2 (24.0)
Auxiliary Hydraulic Function Specifications (for attachments)[4]	Max. Operating Pressure		psi (kg/cm2)	2250 (158.2)	2250 (158.2)	2250 (158.2)
	Maximum Flow Rate		gpm (lpm)	20.6 (78)	20.6 (78)	20.6 (78)

* Computed values.
1 Measured with standard forks.
2 Centerline of front axle to front face of forks.
3 Add load length and clearance.
4 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 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE1500-24						
Wide Visible (V)	82.75 (2102)	80 (2032)	0	6	8	15000 (6803)
	93 (2362)	85.25 (2165)	0	6	8	15000 (6803)
	118.4 (3007)	98 (2489)	0	6	8	15000 (6803)
	145.5 (3696)	111.5 (2832)	0	6	8	15000 (6803)
	176.4 (4481)	137 (3480)	0	6	8	TSDR*
Full Free-Lift 2-Stage (FV)	73.25 (1861)	85.25 (2165)	36.8 (935)	6	8	15000 (6803)
	74 (1880)	88 (2235)	29.5 (749)	6	8	15000 (6803)
	92.7 (2355)	95 (2413)	36.5 (927)	6	8	15000 (6803)
	98.75 (2508)	98 (2489)	39.5 (1003)	6	8	15000 (6803)
	125 (3175)	111.5 (2832)	53 (1346)	6	8	15000 (6803)
	131.69 (3345)	114.5 (2908)	56 (1422)	6	8	15000 (6803)
	177 (4496)	137 (3480)	78.5 (1994)	6	8	TSDR*
	200 (5080)	150 (3810)	91.5 (2316)	6	8	TSDR*
Full Free-Lift 3-Stage (FSV)	130 (3302)	83 (2108)	36.9 (937)	6	8	15000 (6803)
	140.5 (3568)	85.5 (2172)	39.4 (1001)	6	8	15000 (6803)
	142.38 (3616)	87 (2210)	40.9 (1039)	6	8	15000 (6803)
	154.16 (3915)	90 (2286)	43.9 (1115)	6	8	15000 (6803)
	178.75 (4540)	98 (2489)	51.9 (1318)	6	8	TSDR*
	219.5 (5575)	111.5 (2832)	65.4 (1661)	6	8	TSDR*

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE1800-24						
Wide Visible (V)	82.75 (2102)	80 (2032)	0	6	8	18000 (8164)
	93 (2362)	85.25 (2165)	0	6	8	18000 (8164)
	118.4 (3007)	98 (2489)	0	6	8	18000 (8164)
	145.5 (3696)	111.5 (2832)	0	6	8	18000 (8164)
	176.4 (4481)	137 (3480)	0	6	8	TSDR*
Full Free-Lift 2-Stage (FV)	73.25 (1861)	85.25 (2165)	36.8 (935)	6	8	18000 (8164)
	74 (1880)	88 (2235)	29.5 (749)	6	8	18000 (8164)
	92.7 (2355)	95 (2413)	36.5 (927)	6	8	18000 (8164)
	98.75 (2508)	98 (2489)	39.5 (1003)	6	8	18000 (8164)
	125 (3175)	111.5 (2832)	53 (1346)	6	8	18000 (8164)
	131.69 (3345)	114.5 (2908)	56 (1422)	6	8	18000 (8164)
	177 (4496)	137 (3480)	78.5 (1994)	6	8	TSDR*
	200 (5080)	150 (3810)	91.5 (2316)	6	8	TSDR*
Full Free-Lift 3-Stage (FSV)	130 (3302)	83 (2108)	36.9 (937)	6	8	18000 (8164)
	140.5 (3568)	85.5 (2172)	39.4 (1001)	6	8	18000 (8164)
	142.38 (3616)	87 (2210)	40.9 (1039)	6	8	18000 (8164)
	154.16 (3915)	90 (2286)	43.9 (1115)	6	8	18000 (8164)
	178.75 (4540)	98 (2489)	51.9 (1318)	6	8	TSDR*
	219.5 (5575)	111.5 (2832)	65.4 (1661)	6	8	TSDR*

*TSDR required to determine capacity to maximum fork height.

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE2000-24						
Wide Visible (V)	69 (1753)	83 (2108)	0	6	8	20000 (9071)
	73.4 (1864)	85.5 (2172)	0	6	8	20000 (9071)
	98.8 (2512)	98 (2489)	0	6	8	20000 (9071)
	125.9 (3198)	111.5 (2832)	0	6	8	20000 (9071)
	147.4 (3744)	122.3 (3106)	0	6	8	20000 (9071)
	156.8 (3983)	137 (3480)	0	6	8	20000 (9071)
	162.9 (3376)	140 (3556)	0	6	8	20000 (9071)
	198.5 (5042)	154 (3912)	0	6	8	TSDR*
Full Free-Lift 2-Stage (FV)	73.25 (1861)	85.25 (2165)	26.8 (681)	6	8	20000 (9071)
	74 (1880)	88 (2235)	29.5 (749)	6	8	20000 (9071)
	92.7 (2355)	95 (2113)	36.5 (927)	6	8	20000 (9071)
	98.75 (2508)	98 (2489)	39.5 (1003)	6	8	20000 (9071)
	125 (3175)	111.5 (2832)	53 (1346)	6	8	20000 (9071)
	131.69 (3345)	114.5 (2908)	56 (1422)	6	8	20000 (9071)
	177 (4496)	137 (3480)	78.5 (1994)	6	8	TSDR*
	200 (5080)	150 (3810)	91.5 (2324)	6	8	TSDR*
Full Free-Lift 3-Stage (FSV)	108.75 (2762)	85.5 (2172)	27 (686)	6	8	20000 (9071)
	122.5 (3112)	90 (2286)	31.5 (800)	6	8	20000 (9071)
	146.75 (3727)	98 (2489)	39.5 (1003)	6	8	20000 (9071)
	150.5 (3823)	98 (2489)	39.5 (1003)	6	8	20000 (9071)
	187.38 (4759)	111.5 (2832)	53 (1346)	6	8	TSDR*
	243.88 (6195)	137 (3480)	78.5 (1994)	6	8	TSDR*
	264 (6706)	137 (3480)	78.5 (1994)	6	8	TSDR*

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE2200-24						
Wide Visible (V)	69 (1753)	83 (2108)	0	6	8	22000 (9979)
	73.4 (1864)	85.5 (2172)	0	6	8	22000 (9979)
	98.8 (2512)	98 (2489)	0	6	8	22000 (9979)
	125.9 (3198)	111.5 (2832)	0	6	8	22000 (9979)
	147.4 (3744)	122.3 (3106)	0	6	8	22000 (9979)
	156.8 (3983)	137 (3480)	0	6	8	22000 (9979)
	162.9 (3376)	140 (3556)	0	6	8	22000 (9979)
	198.5 (5042)	154 (3912)	0	6	8	TSDR*
Full Free-Lift 2-Stage (FV)	73.25 (1861)	85.25 (2165)	26.8 (681)	6	8	22000 (9979)
	74 (1880)	88 (2235)	29.5 (749)	6	8	22000 (9979)
	92.7 (2355)	95 (2113)	36.5 (927)	6	8	22000 (9979)
	98.75 (2508)	98 (2489)	39.5 (1003)	6	8	22000 (9979)
	125 (3175)	111.5 (2832)	53 (1346)	6	8	22000 (9979)
	131.69 (3345)	114.5 (2908)	56 (1422)	6	8	22000 (9979)
	177 (4496)	137 (3480)	78.5 (1994)	6	8	TSDR*
	200 (5080)	150 (3810)	91.5 (2324)	6	8	TSDR*
Full Free-Lift 3-Stage (FSV)	108.75 (2762)	85.5 (2172)	27 (686)	6	8	22000 (9979)
	122.5 (3112)	90 (2286)	31.5 (800)	6	8	22000 (9979)
	146.75 (3727)	98 (2489)	39.5 (1003)	6	8	22000 (9979)
	150.5 (3823)	98 (2489)	39.5 (1003)	6	8	22000 (9979)
	187.38 (4759)	111.5 (2832)	53 (1346)	6	8	TSDR*
	243.88 (6195)	137 (3480)	78.5 (1994)	6	8	TSDR*
	264 (6706)	137 (3480)	78.5 (1994)	6	8	TSDR*

MAST SPECIFICATIONS

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE3000-24						
Wide Visible (V)	103.5 (2629)	112.75 (2864)	0	6	7	30000 (13607)
	114 (2896)	118 (2997)	0	6	7	30000 (13607)
	119.25 (3029)	120.63 (3064)	0	6	7	30000 (13607)
	126.5 (3213)	124.25 (3156)	0	6	7	30000 (13607)
	148 (3759)	135 (3429)	0	6	7	30000 (13607)
	160 (4064)	141 (3581)	0	6	7	TSDR*
	171 (4343)	146.5 (3721)	0	6	7	TSDR*
Full Free-Lift 2-Stage (FV)	86.5 (2197)	93 (2362)	56 (1422)	6	7	30000 (13607)
	110.75 (2813)	103 (2616)	46 (1168)	6	7	30000 (13607)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE3500-24						
Wide Visible (V)	103.5 (2629)	112.75 (2864)	0	6	7	35000 (15875)
	114 (2896)	118 (2997)	0	6	7	35000 (15875)
	119.25 (3029)	120.63 (3064)	0	6	7	35000 (15875)
	126.5 (3213)	124.25 (3156)	0	6	7	35000 (15875)
	148 (3759)	135 (3429)	0	6	7	35000 (15875)
	160 (4064)	141 (3581)	0	6	7	TSDR*
	171 (4343)	146.5 (3721)	0	6	7	TSDR*
Full Free-Lift 2-Stage (FV)	92.5 (2350)	99 (2515)	41 (1041)	6	7	35000 (15875)
	102.5 (2603)	105 (2667)	47 (1194)	6	7	35000 (15875)
	139.5 (3543)	120 (3048)	50 (1270)	6	7	35000 (15875)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 24 IN. (610 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE4000-24						
Wide Visible (V)	108.75 (2762)	120 (3048)	0	8	6	40000 (18143)
	120.75 (3067)	126 (3200)	0	8	6	40000 (18143)
Full Free-Lift 2-Stage (FV)	124 (3150)	120 (3048)	50 (1270)	8	6	40000 (18143)
	140 (3556)	120 (3048)	50 (1270)	8	6	40000 (18143)

*TSDR required to determine capacity to maximum fork height.

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 30 IN. (900 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE3000-30						
Wide Visible (V)	103.5 (2629)	112.75 (2864)	0	6	7	30000 (13607)
	114 (2896)	118 (2997)	0	6	7	30000 (13607)
	119.25 (3029)	120.63 (3064)	0	6	7	30000 (13607)
	126.5 (3213)	124.25 (3156)	0	6	7	30000 (13607)
	148 (3759)	135 (3429)	0	6	7	30000 (13607)
	160 (4064)	141 (3581)	0	6	7	TSDR*
	171 (4343)	146.5 (3721)	0	6	7	TSDR*
Full Free-Lift 2-Stage (FV)	92.5 (2350)	99 (2515)	41 (1041)	6	7	30000 (13607)
	102.5 (2603)	105 (2667)	47 (1194)	6	7	30000 (13607)
	139.5 (3543)	120 (3048)	50 (1270)	6	7	30000 (13607)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 30 IN. (900 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE3500-30						
Wide Visible (V)	108.75 (2762)	120 (3048)	0	8	6	35000 (15875)
	120.75 (3067)	126 (3200)	0	8	6	35000 (15875)
Full Free-Lift 2-Stage (FV)	124 (3150)	120 (3048)	0	8	6	35000 (15875)
	140 (3556)	120 (3048)	0	8	6	35000 (15875)

MAST TYPE	MAXIMUM FORK HEIGHT (TOP OF FORKS)	OVERALL HEIGHT	FREE-LIFT	TILT RANGE		LOAD CAPACITY AT 30 IN. (900 MM) LOAD CENTER
		LOWERED	WITH STANDARD LOAD BACKREST	FWD	BWD	
	in (mm)	in (mm)	in (mm)	deg	deg	lb (kg)
THDE4000-30						
Wide Visible (V)	108.75 (2762)	120 (3048)	0	8	6	40000 (18143)
	120.75 (3067)	126 (3200)	0	8	6	40000 (18143)
Full Free-Lift 2-Stage (FV)	124 (3150)	120 (3048)	0	8	6	40000 (18143)
	140 (3556)	120 (3048)	0	8	6	40000 (18143)

*TSDR required to determine capacity to maximum fork height.

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.

TOYOTA MATERIAL HANDLING

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