

# CENTER-CONTROLLED RIDER PALLET JACK



## LONG DISTANCE RIDER

- ▶ 6000 - 8000 lb. Capacity
- ▶ Regenerative Braking
- ▶ Electronic Coast Control Option
- ▶ Up to 103 in. Fork Option
- ▶ Cold Conditioning Package Option



8HBC30-40

# MASTER OF THE GROUND GAME

**THE TOYOTA CENTER-CONTROLLED RIDER.** Just get in and go. With easy maneuverability and a comfortable mid-truck operator compartment, the Center-Controlled Rider makes cross-warehouse hauling fast and efficient. It doubles as a low-level order picker, too. Giving you complete command of your ground game and a healthy boost in productivity, shift after shift.

## CENTER-CONTROLLED RIDER ADVANTAGES

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- ▶ **MULTIFUNCTION CONTROL HANDLE** with ergonomically positioned handgrips, dual thumbwheels, and lift, lower, and horn buttons for simplified operation of all controls with either hand  
— — — —
- ▶ **HIGH-SPEED INTERLOCK** to maintain top travel speed for long-distance transport without continuously pressing a button  
— — —
- ▶ **PROGRAMMABLE PERFORMANCE PARAMETERS** customizable through a digital display to adjust for a variety of job applications  
— — — — —
- ▶ **BOX RAIL FORK CONSTRUCTION** provides torsional rigidity and maximum strength  
— — — — —
- ▶ **SOLID STEEL PULL RODS** add strength throughout the entire length of forks, and are much less likely to bend or flex than push rods, resulting in less maintenance  
— — — — —



UP TO **103** IN.  
FORK OPTION

- ▶ **DUAL LIFT CYLINDERS** provide efficient hydraulic power for smooth, effortless lifting to reduce component wear
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- ▶ **SELF-DIAGNOSTICS** simplify troubleshooting and reduce down time for repairs
- 

- ▶ **GLANCE & GO DISPLAY** provides a quick summary of key information
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- ▶ **CUSHIONED STABILITY HANDRAIL** offers convenient control during high-speed travel
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- ▶ **ELECTRONIC COAST CONTROL OPTION** augments productivity by eliminating the need for operator to climb on and off during floor-level order picking
- 



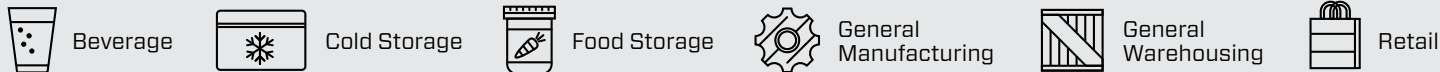
## CENTER-CONTROLLED RIDER PALLET JACK

CAPACITY  
**6000 – 8000 LBS.**

FORK SIZE  
**36 – 103 IN.**

OVERALL FORK WIDTH  
**22 – 27.5 IN.**

### INDUSTRIES



## STANDARD FEATURES

### PERFORMANCE

- AC drive motor with thermal protection & current limiting
- 24-Volt electrical system
- 6" lift
- Programmable performance
  - Adjustable maximum speed
  - Adjustable acceleration
- Fault code memory with hour meter reading
- Regenerative braking
- On/off key switch
- Lift limit switch
- Multiple hour meter indicator
- Battery discharge indicator with lift interrupt
- Fused control & power circuits
- Hydraulic overload protection valve
- Dual 1.25"-dia. lift cylinders
- Polyurethane torsion block stabilizing casters<sup>1</sup>
- Heavy-duty spring-loaded stabilizing casters<sup>2</sup>

### BODY/EXTERIOR DESIGN

- 31.5"-long x 13.44"-wide battery compartment<sup>3</sup>
- SB-175 battery connector (gray)
- Cold storage conditioning

### ERGONOMICS

- Multifunction control handle with ergonomically angled handgrips & wrap-around hand guard
- Dual thumbwheels with twist grips for directional control & travel speed
- Intuitively positioned lift/lower buttons
- Adjustable height control handle (3-position); dual hand brake levers
- Low-effort control handle
- High-speed interlock button
- Bubble-cushioned operator floor mat, padded backrest & knee pad
- Walk-through operator compartment
- Low platform step height

### DURABILITY

- Control Area Network (CAN-bus) communications
- Welded construction with reinforced heavy-duty bumper
- Powder coat paint finish
- Box rail fork construction
- Steel bulkhead wrappers
- Forged rectangular steel tension rods
- Heavy-duty bushings & pins
- Solid trail fork casting
- Tapered fork tips with pallet entry slides
- Four-point lift linkage
- High-strength polymer service cover
- Rubber drive tire
- Hall-effect switches
- 48" load backrest extension

### SERVICEABILITY

- AC drive motor (no brushes or commutator)
- Self-adjusting electric disc brake
- One-piece, lightweight service access cover
- Error indicator with self-diagnostics
- Teflon®-coated Polylube™ lift linkage bushings (maintenance free)

### SUPPORT

- Wrap-around hand guard
- Control handle with dual brake levers
- Electronic horn

<sup>1</sup> Standard only with fork lengths below 84" (2134 mm).

<sup>2</sup> Standard only with fork lengths 84" (2134 mm) & above.

<sup>3</sup> Battery compartment width is 30.25" (768 mm) when equipped with optional battery compartment rollers.



## OPTIONAL EQUIPMENT

- 48," 60" and 72" load backrest extension
- Electronic travel alarm (forward & reverse)
- Controller splash guard
- Keyless on/off switch
- Power hookup for onboard terminal (24-Volt, 2 amp)
- Power hookup for onboard terminal (24-Volt, 10 amp)
- Storage tray, battery compartment mounted
- Pallet entry/exit rollers (single length pallet forks only 36"- 60")
- Steel bumper skirt (2.25" underclearance)
- Turtle speed (3-position key switch)
- Jog buttons with turtle speed
- (3-position key switch)
- Dual stretch wrap holder, load backrest mounted
- Lubrication package for pivot points (grease fittings)
- Steering bearing, greaseable
- 6" extended operator compartment
- Battery compartment rollers with dual side gates
- Battery side gate interlock switches
- 32"-high battery retaining wall
- Battery spacer kit
- Polyurethane drive tire
- Non-marking rubber drive tire
- Heavy-duty load wheels (Vulkollan®)
- Heavy-duty spring-loaded stabilizing casters
- Load wheel debris diversion device
- Polyurethane load wheels (tan durometer 95)
- Load wheels, single axle/dual
- Load wheels, single axle/triple
- Power steering
- Cold storage conditioning
- Special paint color, complete truck
- UL-approved model type "E"
- UL-approved model type "EE"
- Factory pre-programmed maximum travel speed of 5 mph

Please contact your local, authorized Toyota Dealer for a complete list of available options.



TRUCK SPECIFICATIONS

GENERAL DATA				MODEL NUMBER									
Load Capacity				8HBC30									
lb (kg)				6000 (2725)									
Power Type				Battery									
Operator Position				Center-Controlled Rider									
Tire Type		Drive / Caster / Load		Rubber / Polyurethane / Polyurethane									
Wheels (x = driven)		Front / Rear		1 Drive, 2 Heavy-Duty Casters / 2 Load									
EXTERIOR DIMENSIONS				8HBC30									
A Fork Width		in (mm)		9 (229)						10 (254)			
B Overall Fork Width		in (mm)		22 (559) or 24 (610) or 27 (686)						22.625 (575) or 24.5 (622) or 27.5 (699)			
C Fork Height		in (mm)		3.25 (83)									
D Fork Height		in (mm)		9.25 (235)									
E Fork Lift		in (mm)		6 (152)									
F Fork Length		in (mm)		36 (914) <sup>1,5</sup>	42 (1067) <sup>1,5</sup>	48 (1220) <sup>1,5</sup>	60 (1524) <sup>1,5</sup>	84 (2134) <sup>1,2,6</sup>	93 (2362) <sup>1,2,6</sup>	96 (2438) <sup>1,2,6</sup>	103 (2616) <sup>1,2,3,6</sup>		
G Overall Width		in (mm)		32.5 (826)									
H Overall Length		in (mm)		90.3 (2294)	96.3 (2446)	102.3 (2598)	114.3 (2903)	138.75 (3524)	145.50 (3721)	148.75 (3778)	155.75 (3956)		
I Wheelbase		in (mm)		72.8 (1849)	78.8 (2002)	84.8 (2154)	96.8 (2459)	105.2 (2672)	105.2 (2672)	105.2 (2672)	112.2 (2850)		
J Wheelbase		in (mm)		68.1 (1730)	74.1 (1882)	80.1 (2035)	92.1 (2339)	100.55 (2553)	100.55 (2553)	100.55 (2553)	107.5 (2731)		
K Turning Radius		in (mm)		74.7 (1897)	80.6 (2047)	86.5 (2197)	98.3 (2497)	106.6 (2708)	106.6 (2708)	106.6 (2708)	113.5 (2883)		
Gross Weight Without Battery		lb (kg)		1280 (581)	1300 (590)	1320 (599)	1370 (621)	1730 (785)	1770 (803)	1780 (807)	1805 (819)		
L Head Length		in (mm)		54.6 (1387)									
M Power Unit Height		in (mm)		31.40 (798)									
N Overall Height		in (mm)		56.0 (1422)									
O Overall Height (handle)		in (mm)		53.0 (1346)									
P Overall Height (handle)		in (mm)		49.8 (1265)									
Q Operator's Platform Height		in (mm)		4 (102)									
Q Operator's Platform Height		in (mm)		10 (254)									
R Operator's Platform Depth		in (mm)		17.25 (438)									
S Distance from Bumper to Center of Drive Tire		in (mm)		9.9 (251)									
T Bumper Underclearance		in (mm)		4.75 (121)									
U Bumper Height		in (mm)		9.75 (248)									
PERFORMANCE DATA				8HBC30									
Speeds		mph (km/h)		6.2 (10.0)									
Speeds		mph (km/h)		8.8 (14.2)									
Gradeability		%		10									
Gradeability		%		10									
TIRES				8HBC30									
Number		Front / Rear		3 / 2									
Size (dia. x width)		in (mm)		12 x 4.75 (305 x 121)									
Size (dia. x width)		in (mm)		4 x 2.5 (102 x 64)									
Size (dia. x width)		in (mm)		3.25 x 5.91 (83 x 150)									
POWER SYSTEM				8HBC30									
Voltage/Capacity		V / Ah		24 / 750									
Connector (Color)				SB-175 (gray)									
Connector Cable Location				B									
Connector Cable Length		in (mm)		18 (457)									
Width		in (mm)		31.5 (800) <sup>4</sup>									
Length		in (mm)		13.44 (341)									
Height		in (mm)		-									
Maximum		lb (kg)		1500 (680)									
Minimum		lb (kg)		980 (445)									
Drive (60 minutes)		hp (kW)		5.5 (4.1)									
Drive				-									
Load Handling				-									

1 48" (1219 mm) load backrest extension is standard.  
2 Forks are designed to handle two 48" (1219 mm) long pallets.  
3 These forks have a 7" (178 mm) longer wheelbase to allow for load overhang & proper load wheel drop.  
4 Length = 30.25" (768 mm) when equipped with optional Battery Compartment Rollers.  
5 Polyurethane Torsion Block Stabilizing Casters are standard.  
6 Heavy-Duty Spring-Loaded Stabilizing Casters are standard.

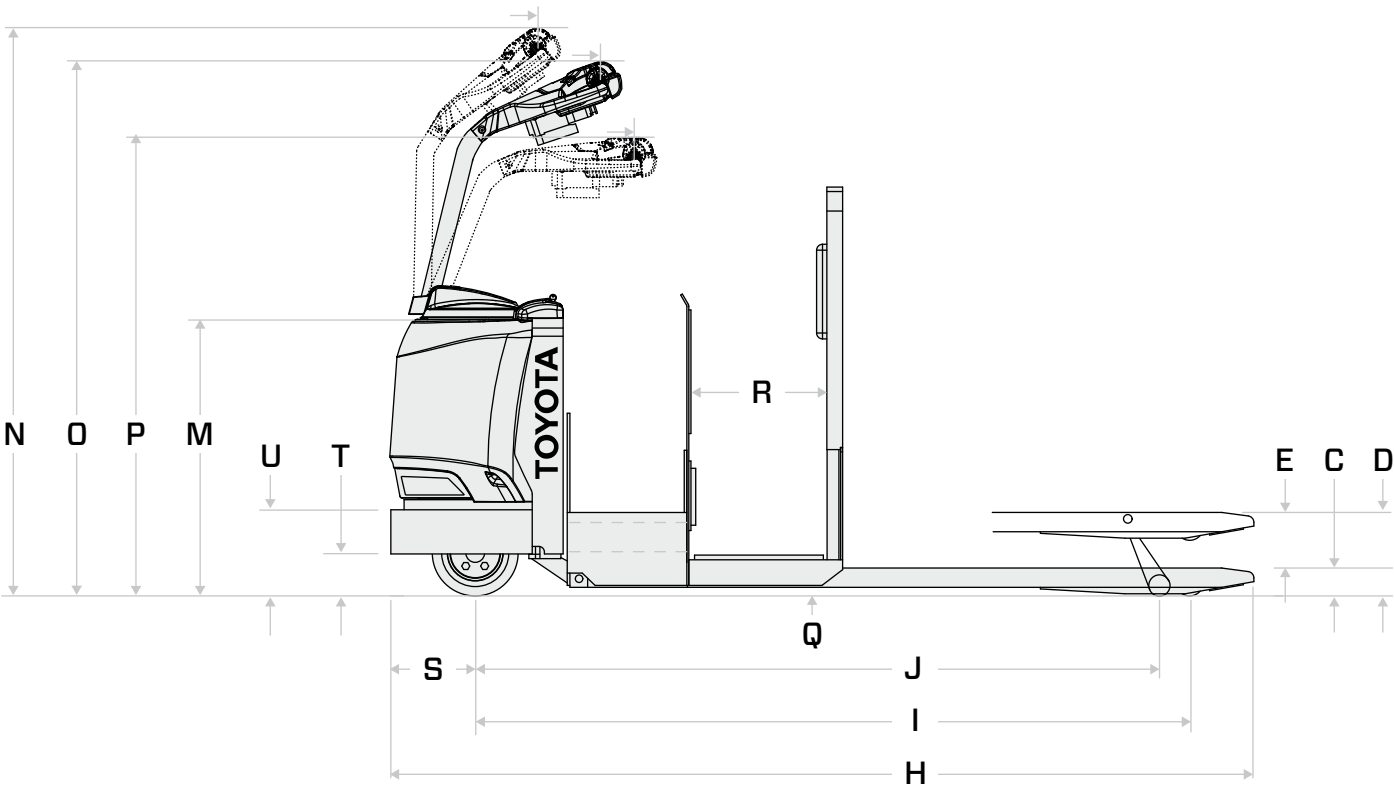
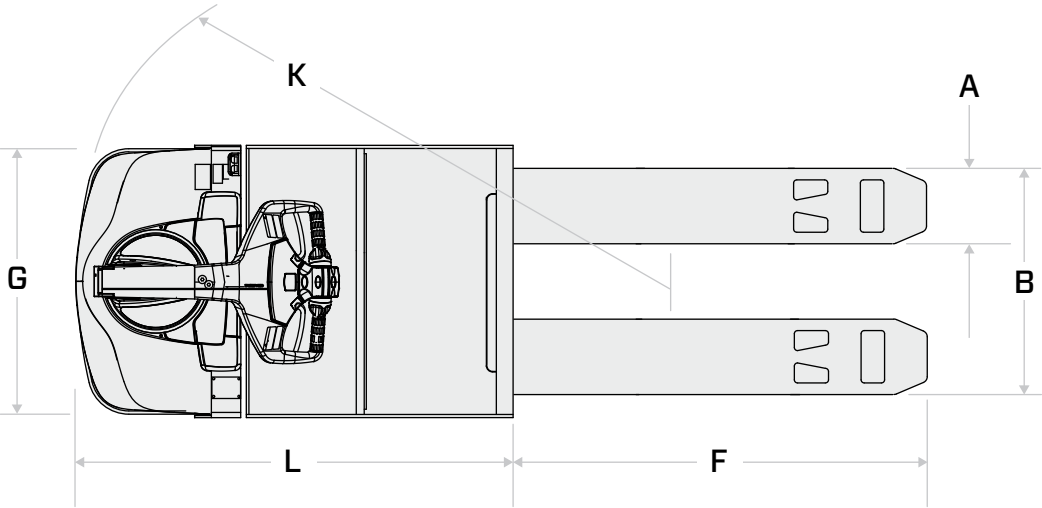
# TRUCK SPECIFICATIONS

## MODEL NUMBER

GENERAL DATA			8HBC40			
Load Capacity		lb (kg)	8000 (3632)			
Power Type			Battery			
Operator Position			Center-Controlled Rider			
Tire Type	Drive / Caster / Load		Rubber / Polyurethane / Polyurethane			
Wheels (x = driven)	Front / Rear		1 Drive, 2 Heavy-Duty Casters / 2 Load			
EXTERIOR DIMENSIONS			8HBC40			
A	Fork Width	in (mm)	10 (254)			
B	Overall Fork Width	in (mm)	27.5 (699)			
C	Fork Height	Lowered	in (mm)	3.25 (83)		
D		Raised	in (mm)	9.25 (235)		
E	Fork Lift	in (mm)	6 (152)			
F	Fork Length	in (mm)	84 (2134) <sup>1,2,5</sup>	93 (2362) <sup>1,2,5</sup>	96 (2438) <sup>1,2,5</sup>	103 (2616) <sup>1,2,3,5</sup>
G	Overall Width	in (mm)	32.5 (826)			
H	Overall Length	in (mm)	138.75 (3524)	146.50 (3721)	148.75 (3778)	155.75 (3956)
I	Wheelbase	Lowered	in (mm)	105.2 (2672)	105.2 (2672)	112.2 (2850)
J		Raised	in (mm)	100.5 (2553)	100.5 (2553)	107.5 (2731)
K	Turning Radius	in (mm)	106.6 (2708)	106.6 (2708)	106.6 (2708)	113.5 (2883)
Gross Weight Without Battery		lb (kg)	1940 (880)	1980 (898)	1990 (903)	2015 (914)
L	Head Length	in (mm)	54.6 (1387)			
M	Power Unit Height	in (mm)	31.40 (798)			
N	Overall Height (handle)	Position 1	in (mm)	56.0 (1422)		
O		Position 2	in (mm)	53.0 (1346)		
P		Position 3	in (mm)	49.8 (1265)		
Q	Operator's Platform Height	Lowered	in (mm)	4.0 (102)		
		Raised	in (mm)	11.5 (292)		
R	Operator's Platform Depth	in (mm)	17.25 (438)			
S	Distance from Bumper to Center of Drive Tire	in (mm)	9.9 (251)			
T	Bumper Underclearance	in (mm)	4.75 (121)			
U	Bumper Height	in (mm)	9.75 (248)			
PERFORMANCE DATA			8HBC40			
Speeds	Full Load	mph (km/h)	6.2 (10.0)			
	No Load	mph (km/h)	8.8 (14.2)			
Gradeability	Full Load	%	8			
	No Load	%	10			
TIRES			8HBC40			
Tires	Number	Front / Rear	3 / 2			
	Size (dia. x width)	Drive (front)	in (mm)	12 x 4.75 (305 x 121)		
		Caster (front)	in (mm)	4 x 2.5 (102 x 64)		
		Load (rear)	in (mm)	3.25 x 5.91 (83 x 150)		
POWER SYSTEM			8HBC30			
Battery	Voltage/Capacity	V / Ah	24/750			
	Connector (Color)		SB-175 (gray)			
	Connector Cable Location		B			
	Connector Cable Length	in (mm)	18 (457)			
Battery Compartment	Width	in (mm)	31.5 (800) <sup>4</sup>			
	Length	in (mm)	13.44 (341)			
	Height	in (mm)	-			
Battery Weight	Maximum	lb (kg)	1500 (680)			
	Minimum	lb (kg)	980 (445)			
Electric Motors	Drive (60 minutes)	hp (kW)	5.5 (4.1)			
Control Type	Drive		-			
	Load Handling		-			

1 48" (1219 mm) load backrest extension is standard.  
 2 Forks are designed to handle two 48" (1219 mm) long pallets.  
 3 These forks have a 7" (178 mm) longer wheelbase to allow for load overhang & proper load wheel drop.  
 4 Length = 30.25" (768 mm) when equipped with optional Battery Compartment Rollers.  
 5 Heavy-Duty Spring-Loaded Stabilizing Casters are standard.

EXTERIOR DIMENSIONS





# RIGHT-ANGLE STACKING AISLE REQUIREMENTS

FORK LENGTH	PALLET LENGTH	PALLET WIDTH						
		30 (762)	32 (813)	36 (914)	40 (1016)	42 (1067)	44 (1118)	48 (1220)
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
8HBC30								
36 (914) <sup>1</sup>	36 (914)	79.8 (2027)	79.8 (2027)	79.8 (2027)	79.8 (2027)	79.8 (2027)	79.8 (2027)	79.8 (2027)
42 (1067) <sup>1</sup>	42 (1067)	85.8 (2179)	85.8 (2179)	85.8 (2179)	85.8 (2179)	85.8 (2179)	85.8 (2179)	85.8 (2179)
48 (1220) <sup>1</sup>	48 (1220)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)
60 (1524) <sup>1</sup>	60 (1524)	110.8 (2814)	110.8 (2814)	110.8 (2814)	110.8 (2814)	110.8 (2814)	110.8 (2814)	110.8 (2814)
84 (2134) <sup>2,7</sup>	2 x 48 (2 x 1220)	142.8 (3627)	142.6 (3622)	142.3 (3614)	142.0 (3607)	141.8 (3602)	141.6 (3597)	141.3 (3589)
93 (2362) <sup>3,7</sup>	2 x 48 (2 x 1220)	152.5 (3874)	152.4 (3871)	152.2 (3866)	151.9 (3858)	151.8 (3856)	151.7 (3853)	151.4 (3846)
96 (2438) <sup>4,7</sup>	2 x 48 (2 x 1220)	155.7 (3955)	155.6 (3952)	155.4 (3947)	155.1 (3940)	155.0 (3937)	154.9 (3934)	154.7 (3929)
103 (2616) <sup>5-7</sup>	2 x 48 (2 x 1220)	155.7 (3955)	155.6 (3952)	155.4 (3947)	155.1 (3940)	155.0 (3937)	154.9 (3934)	154.7 (3929)

FORK LENGTH	PALLET LENGTH	PALLET WIDTH						
		30 (762)	32 (813)	36 (914)	40 (1016)	42 (1067)	44 (1118)	48 (1220)
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
8HBC40								
84 (2134) <sup>2,7</sup>	2 x 48 (2 x 1220)	142.8 (3627)	142.6 (3622)	142.3 (3614)	142.0 (3607)	141.8 (3602)	141.6 (3597)	141.3 (3589)
93 (2362) <sup>3,7</sup>	2 x 48 (2 x 1220)	152.5 (3874)	152.4 (3871)	152.2 (3866)	151.9 (3858)	151.8 (3856)	151.7 (3853)	151.4 (3846)
96 (2438) <sup>4,7</sup>	2 x 48 (2 x 1220)	155.7 (3955)	155.6 (3952)	155.4 (3947)	155.1 (3940)	155.0 (3937)	154.9 (3934)	154.7 (3929)
103 (2616) <sup>5-7</sup>	2 x 48 (2 x 1220)	155.7 (3955)	155.6 (3952)	155.4 (3947)	155.1 (3940)	155.0 (3937)	154.9 (3934)	154.7 (3929)

**Minimum Aisle Width for Right-Angle Stacking**  
Includes 4" (102 mm) clearance on each side of load.  
Add a minimum of 12" (305 mm) for easy maneuvering.

1 Polyurethane Torsion Block Stabilizing Casters are standard.  
2 For two 48" x 40" pallets entered on the 40" face, with a total of 12" of pallet overhanging the forks.  
3 For two 48" x 40" pallets entered on the 40" face, with a total of 3" of pallet overhanging the forks.  
4 For two 48" x 40" pallets entered on the 40" face.  
5 For two 48" x 40" pallets entered on the 40" face, with a total of 7" of load overhang.  
6 These forks have a 7" longer wheelbase to allow for load overhang & proper load wheel drop.  
7 Heavy-Duty Spring-Loaded Casters are standard.











# "THE NAME ON MY SHIRT SAYS TOYOTA, BUT I WORK FOR YOU."

Alan - 360 Technician, Atlas Toyota Material Handling, Chicago, IL



## HELP IS ALWAYS HERE WITH TOYOTA 360 SUPPORT.

The industry's best and most comprehensive dealer network quickly delivers Toyota Certified Technicians to your work site. These specially trained technicians can also help assess your warehouse and facility needs to recommend the right equipment for the job. And with the largest fleet of used and rental material handling products, Toyota 360 keeps your business running at full speed.

[ToyotaForklift.com/360-Support](http://ToyotaForklift.com/360-Support)



**YOUR BUSINESS IS RIDING ON IT.**

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.



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