CENTER-CONTROLLED RIDER AND CORE TOW TRACTOR



AUTOMATED WORKHORSE

- Natural Features Navigation (LIDAR)
- Up to 10,000 lb. Towing Capacity
- ▶ Up to 7,000 lb. Lifting Capacity
- Little to No Infrastructure Required
- Tight Turning Radius

8HBC40A 8**T**B50A CLASS

TRUSTED EQUIPMENT MEETS PROVEN AUTOMATION

Gaining a competitive advantage in manufacturing, warehousing, and distribution requires implementation of cutting-edge technology and optimized processes.

Toyota's Center-Controlled Rider and Core Tow Tractor automated forklifts merge the latest automation technologies with industry-leading equipment, providing seamless, and efficient material handling while effectively reducing your operating costs. Each AGV is powered by LIDAR-based natural features navigation, which requires little to no additional infrastructure or burdensome setup. We create a map of the area in which the AGV will work in and let the equipment handle the rest.

Need to adjust your process, add a new unit, or alter a route? We'll train your staff to use the software so you can make adjustments on your own – effectively minimizing your downtime with no service or subscription fees required.



PREDICTABLY CONSISTENT, REMARKABLY ACCURATE

Toyota's Center-Rider and Core Tow Tractor automated forklifts utilize advanced sensors to detect obstacles and slow or stop the vehicle when an unmapped object is detected in its path. Cuttingedge geometry can even detect mapped structures behind objects, meaning an errant pallet or object won't interrupt normal operation.

Your business relies on accurate and repeatable results, day in and day out. Toyota's automated forklifts offer an accuracy tolerance as narrow as 0.5" when positioning and maneuvering loads, allowing you to confidently set it and forget it.

Seamless. Efficient. Accurate. Let Toyota's automated guided forklifts get to work for you today.





QUALITY YOU CAN RELY ON

Toyota's Center-Controlled Rider and Core Tow Tractor automated forklifts utilize our industry-leading, Class III forklifts as a base – allowing them to be operated manually as needed. Each model is built using the Toyota Production System and Toyota Genuine Parts, providing superior quality, reliability, and durability.

In the event your equipment does require service, it's fast and efficient by design. Each Toyota automated forklift is backed by Toyota 360 Support, providing you with 4-hour guaranteed response times, access to our exclusive service app, and over 3,500+ Toyota Certified Technicians. With Toyota, your operation will be up and running day or night, shift after shift.



TECHNICAL SUPPORT AVAILABLE

BENEFITS OF AUTOMATION:



Improve throughput and efficiency with process optimization.



Reduce operational variances associated with manual operation.



Leverage advanced technologies to promote reliable operation.



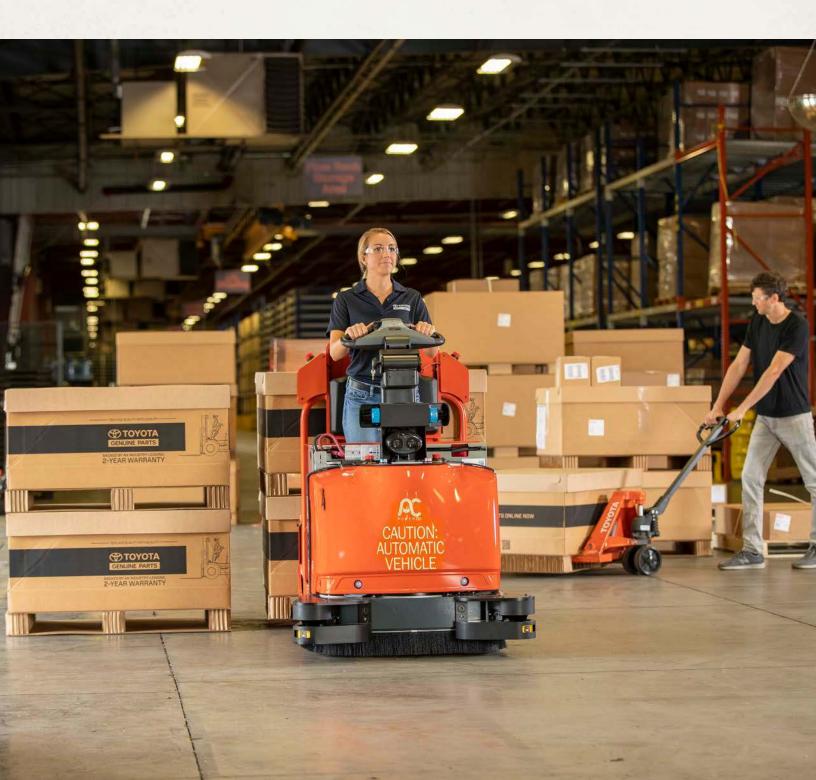


Reduce overall labor and operational costs.

Free up labor to perform work that adds value and is less repetitive.

AN INVESTMENT WORTH MAKING

DECIDING WHETHER TO INVEST in automation ultimately depends on your return on investment (ROI). Calculating ROI can be a complicated process, but you're not alone. Toyota dealers offer free site surveys to determine your unique needs and provide you with key insights, allowing you to make confident, smart business decisions.





YOUR TRUSTED MATERIAL HANDLING SOLUTIONS PROVIDER

With Toyota, you gain more than just an automation partner. You gain a full-line material handling solutions provider capable of handling all of your material handling needs. Everything from conveyors to AS/RS systems, from hand pallet jacks to container handlers, can be sold and serviced by your local Toyota forklift dealer.

We're also here to help support you throughout your entire optimization journey. Toyota dealers leverage our industry-leading product portfolio and Toyota Lean Management principles to provide you with the right solution at the right time.

You deserve people and solutions you can trust. Contact your local Toyota dealer today for a free site survey and start your automation journey today.

CENTER-CONTROLLED RIDER AND CORE TOW TRACTOR AUTOMATED FORKLIFTS

CAPACITY 8000 - 10000 LBS.	TECHNOLOGY LIDAR	VOLTAGE 24			
INDUSTRIES General Manufacturing Wareho		ution Factory Food Storage			
STANDARD FEATURES					
PERFORMANCE • AC drive motor with thermal protection & current limiting • 24-Volt electrical system • Fault code memory with hour meter reading • Regenerative braking	 Programmable performance Adjustable maximum speed Adjustable acceleration On/off key switch Lift limit switch⁴ Multiple hour meter indicator 	 Battery discharge indicator Fused control & power circuits Hydraulic overload protection valve⁴ Dual 1.25 inch diameter lift cylinders⁴ 			
 BODY/EXTERIOR DESIGN 31.5"-long x 13.44"-wide battery compartment^{3,4} 31.75"-long x 13.44"-wide battery compartment⁵ SB-175 battery connector (gray) Wrap-around hand guard 	 Control handle with dual brake levers Heavy-duty spring-loaded stabilizing casters^{2,4} Polyurethane torsion block stabilizing casters^{1,5} Electronic horn 	 Forward-facing blue light LED system indicators 			
 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 	 Horn button High-speed interlock button Bubble-cushioned operator floor mat, padded backrest & knee pad Walk-through operator compartment 	 Low platform step height Axle weldment rubber suspension system⁵ Low-effort power steering with adjustable height control handle 			
 DURABILITY Control Area Network (CAN-bus) communications Welded construction with reinforced heavy-duty bumper Powder coat paint finish Box rail fork construction⁴ Steel bulkhead wrappers 	 Forged rectangular steel tension rods⁴ Heavy-duty bushings and pins⁴ Solid rail fork casting⁴ Tapered fork tips with pallet entry slides⁴ Four-point lift linkage⁴ High-strength polymer service cover 	 Poly drive tire Polyurethane rear wheels (durometer 95) Hall-effect switches Axle weldment rubber suspension system⁵ Load backrest extension (48 inch) 			
SERVICEABILITY • AC drive motor (no brushes or commutator) • One-piece, lightweight service access cover	 Teflon coated Polylube[™] lift linkage bush- ings (maintenance free)⁴ 	 Error indicator with self-diagnostics Self-adjusting electric disc brake 			
AUTOMATION • Natural features navigation • Velocity drive LIDAR safety field • Dual LIDAR scanners	 Cantilevered load detection Complete traffic control Fork tip sensors⁴ 	 Load detection on forks⁴ LCD system display BlueBotics controller 			

- Standard only with fork lengths below 84" (2134 mm).
 Standard only with fork lengths 84" (2134 mm) & above.
 Battery compartment width is 30.25" (768 mm) when equipped with optional battery compartment rollers.
 Available on Center-Controlled Rider Automated Forklift only.
 Available on Core Tow Tractor Automated Forklift only.

OPTIONAL EQUIPMENT

- Load backrest extension (60")¹
- 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

Available on Center-Controlled Rider Automated Forklift only.
 Available on Core Tow Tractor Automated Forklift only.
 Please contact your local, authorized Toyota Dealer for a complete list of available options.

- Flat back pad
- Automatic coupler tow hitch²

- Pin & clevis tow hitch²
- Battery compartment rollers with dual side gates¹
- Battery side gate interlock switches¹
- 32"-high battery retaining wall height
- Multiple battery connector options
- Automatic charging²
- Floor scanner
- Flap sensor extension¹
- Heavy-duty load wheels (Vulkollan)¹

- Tandem dual load wheels¹
- Load wheel debris diversion device¹
- Polyurethane load wheels (Durometer 95)¹
- Heavy-duty spring-loaded stabilizing casters²
- Heavy-duty spring-loaded stabilizing casters with food grade grease
- Various fork lengths¹



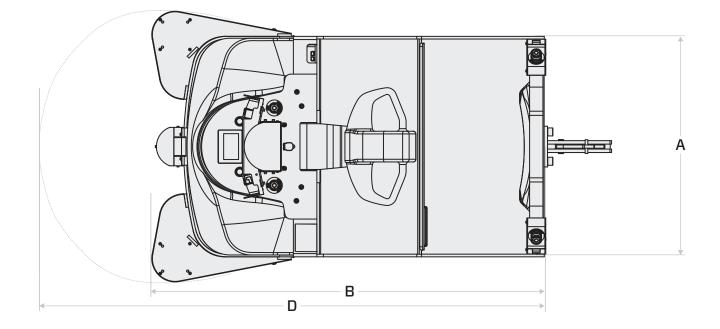
TRUCK SPECIFICATIONS

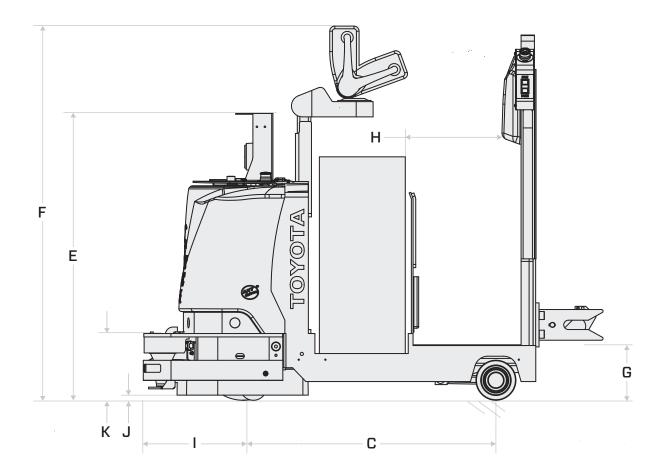
IRUCI	K SPECIF		NS S			MODEL NUMBI	ER			
GENERA	L DATA					8TB50A				
Load Cap	acity ¹		lb (kg)			10000 (4540)			
Power Ty	се			Battery						
Operator Position				Center-Controlled Rider						
Tire Type			Caster / Load			nane / Polyurethane				
Wheels (>	(= driven)	Front / F	Rear	1 Drive, 2 Casters / 2 Rear						
EXTERIO	R DIMENSIO	IS		8TB50A						
Α	Overall Width		in (mm)	39.94 (1014)						
	Overall Length		in (mm)	57.97 (1472)						
	Wheelbase		in (mm)			37.38 (949)				
	Turning Radius		in (mm)			55.84 (1418)				
	Power Unit Heig		in (mm)			32.32 (821)				
	Handle Height A		ange in (mm)		2	48.81 (1240) - 53.54	4 (1360)			
	Operator's Plat		in (mm)			8.18 (208)				
	Operator's Plati		in (mm)			15.55 (395)				
	Distance from E to Center of Dri		in (mm)			14.65 (372)				
J	Bumper Undera	learance	in (mm)			2.94 (75)				
к	Bumper Heigh	t	in (mm)			9.84 (250)				
	Gross Weight \	Nithout Batte	ery Ib (kg)			1244(565)				
PERFOR	MANCE DATA					8TB50A				
			Full Load	mph (km/h)		5.8 (9.3)				
Travel Sp	avel Speed (Manual) No Load			mph (km/h)		8.8 (14.2)				
Traval Ca	and (Automate	ad 1.2	Full Load	mph (km/h)	4.0 (6.5)	3.5 (5.4)	2.7 (4.3)	1.5 (2.5)	1.1 (1.8)	
naverap	eeu (Automati	d (Automated) ² Capacity Ib (kg)		4850 (2200)	70540 (3200)	8487 (3800)	9259 (4200)	10008 (4540)		
			Continuous	lb (kg)	lb (kg) 250 (114)					
Drawbar	Pull		Maximum	lb (kg) 750 (341)						
TIRES						8TB50A				
TINES	Number	Front / F	Poar			3/2				
	Number	Front / Rear Drive (front) in (mm)		12 x 4.75 (305 x 121)						
Tires	Size	Caster (4 x 2.5 (102 x 64)						
	(dia. x width)	ith) Rear in (mm)		6 x 3.25 (152 x 82)						
POWER	SYSTEM			8TB50A						
		/Capacity	V / Ah	24 / 750						
		tor (Color)	.,	SB-175 (gray)						
Battery		tor Cable Loca	ation	В						
	Connec	Connector Cable Length in (mm)		18 (457)						
	Width			31.75 (806)						
Battery	Length		in (mm)	13.44 (341)						
Compartmer	ment Height			-						
Battery		Maximum Ib (kg)		1500 (680)						
Weight		Minimum Ib (kg)		980(445)						
Electric Motors		0 minutes)	hp (kW)		5.5 (4.1)					
Control T	Drive					-				
	H heol	andling								

Capacity for manual mode only.
 Capacity for automated mode only. Travel speed is based upon rated capacity.

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EXTERIOR DIMENSIONS





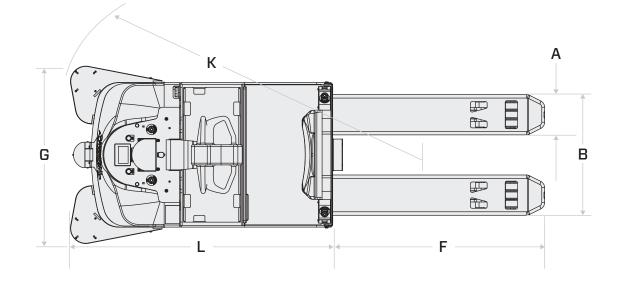
TRUCK SPECIFICATIONS

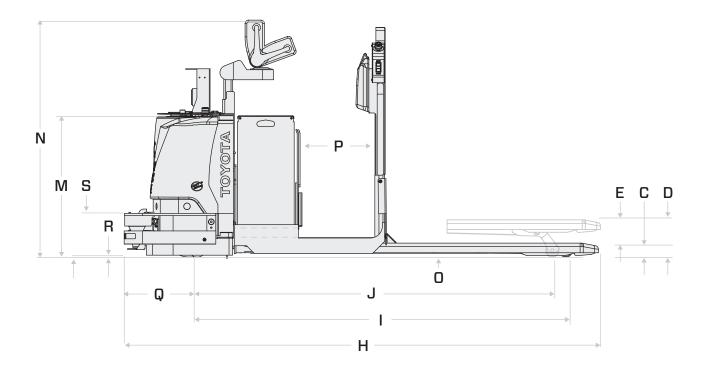
							MODEL NUMBER				
GENERA	AL DATA						8HBC40A				
Load Cap	pacity	ty Ib (kg)					8000 (2725)				
Power Ty	/pe						Battery				
Operator	Position					C	enter-Controlled Rider				
Tire Type	Tire Type Drive / Caster / Load					Polyurethan	e / Polyurethane / Polyur	ethane			
Wheels (x = driven)	Front	/ Rear			1 Drive, 2	Heavy-Duty Casters / 2 L	oad			
EVTEDI	DR DIMENSION						8HBC40A				
		3									
	Width			in (mm)			10 (254)				
	rall Fork Width			in (mm)			27.5 (699)				
- Fork	< Height	Lower		in (mm)							
D Ford	. 1 :6+	Raise	a	in (mm)			6 (152)				
E Fork				in (mm)		00 (0400)126	00 (2420)126				
	< Length rall Width			in (mm)		84 (2134) ^{1, 2, 6}	22 5 (020)	96 (2438) ^{1,2,6}			
				in (mm)	32.5 (826)						
	rall Length	Lowe	in (mm) Lowered in (mm)		138.75 (3524) 148.75 (3778) 195.2 (2572) 195.2 (2572)						
U Whe	eelbase	se Raised		in (mm)	105.2 (2672) 105.2 (2672) 100.55 (2553) 100.55 (2553)						
	ning Radius	ndise	u								
	ss Weight Withc	ut Ratten	/	in (mm) Ib (kg)	106.6 (2708) 106.6 (2708)						
	d Length	ar barrel)	y	in (mm)		1730 (785)	58.9 (1497)	1780 (807)			
	er Unit Height			in (mm)			32.3 (821)				
N Ove	rall Height ndle)		tment	in (mm)		46.	82 (1189) to 51.62 (1311)				
	rator's Platform	Range Lowei		in (mm)			4.4 (112)				
— Upe Heig		Raise		in (mm)			9.7(247)				
P Ope	rator's Platform		u				16.84 (428)				
Q Dist	Q Distance from Bumper in (mm)				16.84 (428) 14.65 (372)						
	enter of Drive T										
	nper Underclear nper Height	ance		in (mm) in (mm)	2.94 (75) 9.84 (250)						
PERFOR	MANCE DATA						8HBC40A				
Travel Sp	oeed (Manual)	-	ull Load	mph (km/h)			6.2 (10.0)				
		1	No Load	mph (km/h)			8.8 (14.2)				
Travel Sr	oeed (Automate	d)8 F	Full Load	mph (km/h)	5 (8.0)	4.3(6.9)	3.5 (5.7)	2.7 (4.3)	2.7 (4.3)		
indvoi or	Seed (Adtomate	c) (Capacity	lb (kg)	5732 (2600)	6172 (2800)	7054 (3200)	7054 (3200)	7054 (3200)		
Gradeab	11:40 / 9	F	Full Load	%	в						
Graueau	iiity ³	1	No Load	%			10				
		1									
TIRES					8HBC40A						
	Number		/ Rear		3/2						
Tires	<u>.</u>	Drive (from		in (mm)	12 x 4.75 (305 x 121)						
11165	Size (dia. x width)		er (front)	in (mm)	4 x 2.5 (102 x 64)						
		Load	(rear)	in (mm)	3.25 x 5.91 (83 x 150)						
POWER	SYSTEM						8HBC40A				
	Voltage/	Voltage/Capacity V / Ah		V / Ah	24 / 750						
		Connector (Color)			SB-175 (gray)						
Battery		Connector Cable Location			В						
		Connector Cable Length in (mm)									
		Width		in (mm)	31.5 (800) ⁴						
Battery	Longth			in (mm)	13.44 (341)						
Compart					-						
		Height		in (mm)							
Battery Weight			lb (kg)			1500 (680)					
Electric	Minimu			lb (kg)	980 (445)						
Motors	Drive (6	0 minutes	3)	hp (kW)	5.5 (4.1)						
Control 1	Drive				-						
	Load Ha	andling					-				

MODEL NUMBER

^{48&}quot; (1219 mm) load backrest extension is standard.
Forks are designed to handle two 48" (1219 mm) long pallets.
These forks have a 7" (178 mm) longer wheelbase to allow for load overhang & proper load wheel drop.
Length = 30.25" (768 mm) when equipped with optional Battery Compartment Rollers.
Polyurethane Torsion Block Stabilizing Casters are standard.
Heavy-Duty Spring-Loaded Stabilizing Casters are standard.
Capacity for manual mode only. See chart on page 11 for automated lifting capacities.
Capacity for automated mode only. Travel speed is based upon rated capacity.
Maximum rated slope in automated mode is 3%.

EXTERIOR DIMENSIONS





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"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



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.