

TUGGER & PALLET TRUCK AUTONOMOUS VEHICLES

8TB50NF
TUGGER



8HBC30/40NF
PALLET TRUCK



10,000 lb. Capacity Tugger
8,000 lb. Capacity Pallet Truck
24Volt AC Drive System

Regenerative Braking
Wireless Connectivity
Built to Fit Your Needs

Bastian
SOLUTIONS

a TOYOTA ADVANCED LOGISTICS company

BASE TUGGER* SPECIFICATIONS		
Exterior Dimensions		
Maximum Weight Capacity ⁽¹⁾	10,000 lbs	
Drawbar	Continuous	250 lbs
	Maximum	750 lbs
Gross Weight Without Batteries	1,190 lbs	
Overall Width	32.5 in (826 mm)	
Overall Length	53.25 in (1353 mm)	
Battery 24 VOLT		
Amps Max.	750 Ah	
Battery Weight Max.	1500 lbs	
Performance		
Travel Speed	Full Load	4.0 mph
	No Load	5.0 mph
Tires		
Drive	Standard	Rubber
	Optional	Polyurethane
Size	Drive – Dia. x Width	10 x 4.75 in.
	Rear – Dia. x Width	6 x 3.25 in.
	Casters – Dia. x Width	3 x 3.5 in

(1) Coupler height is set at 12".

Note: Prototype vehicle only; not available for sale. Vehicles launching July 2019.
 Note: Varies with conditions such as floor conditions, cart construction, casters, and load. Data in the table are reference values.

GENERAL FEATURES

- Natural Features Navigation
- CAT 3 Safety Circuit
- Velocity Driven Lidar Safety Field
- Dual Lidar Scanners
- Cantilevered Load Detection
- Precision/Accuracy +/- 8mm
- Reversing / Load Engagement

EXCLUSIVE TUGGER FEATURES

- Auto Hitch (In Development)

EXCLUSIVE PALLET TRUCK FEATURES

- Fork Tip Sensors

BASE PALLET TRUCK* SPECIFICATIONS								
Exterior Dimensions (inches)								
Fork Length	36	42	48	60	84 ⁽¹⁾	93 ⁽¹⁾	96 ⁽¹⁾	103 ⁽¹⁾⁽²⁾
Overall Length	90.3	96.3	102.3	114.3	138.7	146.5	148.7	155.7
Overall Fork Width	22 or 24 or 27			22.625 or 24.5 or 27.5				
Gross Weight Without Batteries (lbs)	1280	1300	1320	1370	1730	1770	1780	1805
Battery 24 VOLT								
Amps Max.						750 Ah		
Battery Weight Max.						1500 lbs		
Performance								
Travel Speed	Full Load/No Load			4.7 mph/ 5 mph				
Tires								
Drive	Standard			Rubber				
	Optional			Polyurethane				
Size	Drive – Dia. x Width			10 x 4.75 in.				
	Load – Dia. x Width			3.25 x 5.91 in.				
	Casters – Dia. x Width			3 x 3.5 in				

(1) Forks are designed to handle two 48" pallets.

(2) These forks are 7" longer to allow for load overhang and proper wheel drop.

Note: Prototype vehicle only; not available for sale. Vehicles launching July 2019.

- Travel speeds up to 6MPH (controlled environment)
- Turn Signals
- Complete Traffic Control
- Interlocks with PLC, WMS, MES
- Full Manual Mode
- Auto Charge (In Development)