



# BATTERY TUGGER ELECTRIC

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CBH's Battery Tugger Electric (BTE) is the global standard in low-volume high-efficiency battery changing. The reliability, safety standards and changing efficiency are second-to-none and unrivaled in today's battery changing industry.

All BTE models are engineered with a fully welded, unibody construction and finished in premium acid-proof powder coat paint to ensure they'll be delivering reliable and effective battery changes for many years to come.

The BTE series is fitted with our reliable 1,800 lbs electromagnetic extraction system that is used extensively on our man-aboard systems. The unit also uses a lead roller to ensure smooth and damage-free exchanges each time and offers optional battery guides to prevent smaller pallet truck batteries from tipping over. The BTE uses a UHMW slide bed with lead entry rollers that secures the load for transfer without the need for additional safety locks, simply pull it into the compartment and travel to your destination.

## GET IN TOUCH

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# Battery Tugger Electric

## Features and Benefits

- Powerful 1,800 lbs electromagnet extraction for safe, quick and reliable changes, with up to 5,000 lbs battery capacity

*Batteries on a slide strip bed*

- Electric Drive Push Pull System with damage free circuit breaker system

*Allows for maintenance free operation and reduces damage from misuse*

- Durable Acid Resistant Powder-Coat Paint  
Resists battery acid and other contaminants

- Operates on the trucks battery pack or industrial battery via a provided parallel jumper cable. Available in 12-24-36-48 volts (Standard voltage is 24 volts)

*No additional power source required*

## Available Options

MOUNTING OPTIONS	
Part #	Description
BT-Pedestal	Tugger Pedestal Mounting Spacer (Other than standard height of 2")
BT-QC-PT	Quick Clamp (Pallet Truck)
BT-QC-FT	Quick Clamp (Fork Lift Truck)
BT-QC-PT-D	Quick Clamp (Pallet Truck)
BT-4WAY	4-Way Fork Pockets (for pallet truck side mount)

CARRIAGE FRAME OPTIONS	
Part #	Description
BT-CL	Custom Length Battery Tugger
BT-HS	High sides, extra height added to the shell
BT-FP-3.5	3.5" deep Fork Pockets
BT-FP-2	2" Deep Fork Pocket
BT-SM-FT	Side Mount w/ remote pendant & chain (pallet truck mnt)
BT-SCC 2'	6" Safety Chain with Clevis (for truck mount)
BT-FDBR	Battery Tugger Fold Down Bed Raisers
BT-DIA	Aluminum Drop-in Beds
BT-SG	Safety Gate Bolt-On (Bar option)
BT-SC-ARM	Safety Chain - Tugger Arm
BT-SC	Safety Chains (for truck mount)
BT-BG	Battery Guide
BT-BGF	Fold-down Battery Guide
BTSE	Built in Step to customer specification
BT-OHG	Over Head Guard Entry System

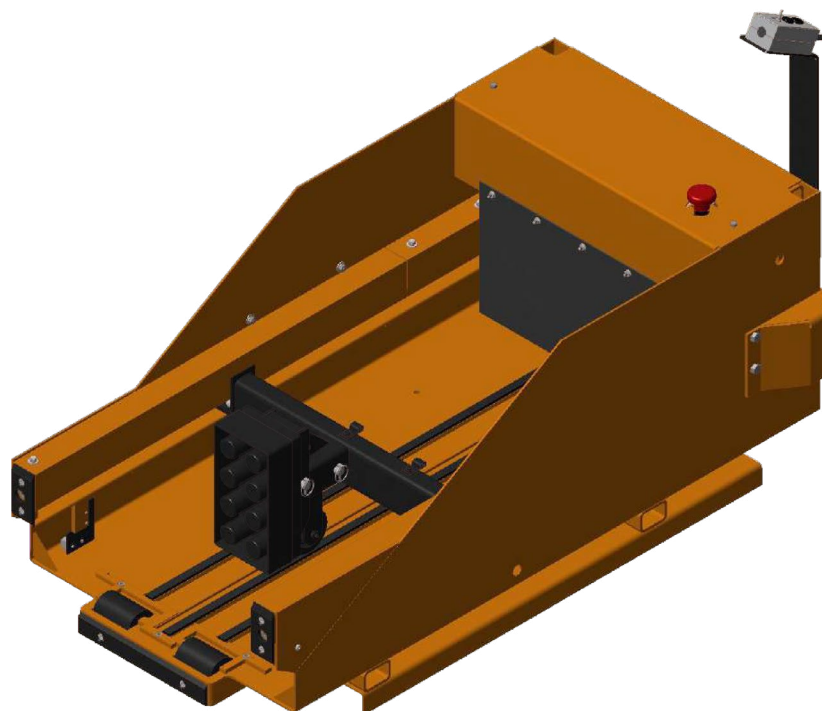
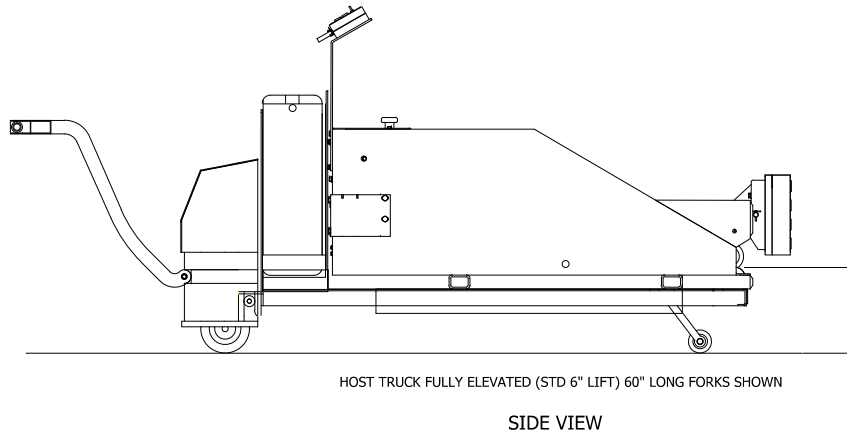
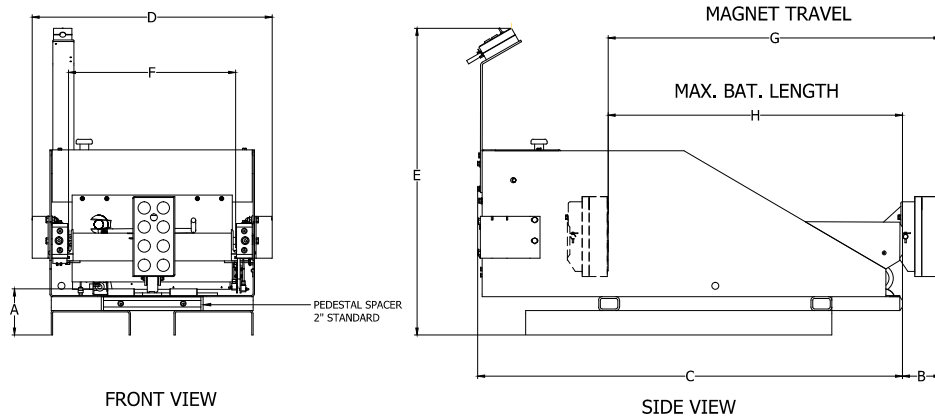
ARM OPTIONS	
Part #	Description
BT-AEX	Tugger Arm Extension (with tugger order) Standard reach is 5.5"
BTS-AEX	Tugger Arm Ext. Stepped (BTS - With tugger order)

*Note: With every inch of arm length added you will lose battery length capacity in the carriage*

ELECTRICAL OPTIONS	
Part #	Description
BT-VSJ	Variable Speed Joystick
BT-VS	Variable Speed Pot
BT-MAG-003	Upgrade to 10-pole magnet
BT-12V	Tugger Voltage 12 V (other than 24)
BT-36V	Tugger Voltage 36 V (other than 24)
BT-48V	Tugger Voltage 48 V (other than 24)
BT-MV2	Multi Voltage BT/BTS (24V & 36V)
BT-MV3	Multi Voltage BT/BTS (24V, 36V & 48V)
BT-MOL	Lamp Indicator (Magnet Light-On)
BT-ESTOP	Emergency Stop Button (Mounted to Controls)
BT-BEEP	Magnet On -Beep
BT-SM-PT	Side Mount w/ remote pendant & chain (pallet truck mnt)
BT-OBPS	On Board Power Supply (BATTERIES NOT INCLUDED)
BT-ASL	Amber Strobe Light
BT-LAS	Laser Alignment System
BT-ECON	Battery Tugger Euro Connectors (2 male 2 female per unit)

# Battery Tugger Electric

## DIMENSIONS



# Battery Tugger Electric

## SPECIFICATIONS

		BTE-24	BTE-30	BTE-36	BTE-42	BTE-48
1	Maximum Load Capacity with 48" forks	3,000 lb / 1,361 kg				
2	Maximum Load Capacity with 60" forks	5,000 lb / 2,265 kg				
3	Electric Motor H.P.	1HP				
4	Battery Attachment Mechanism	Magnet				
5	System Voltage	12V / 24V / 36V / 48V				
6	Battery Connector	SB 175 Gray				
7	Standard Model Color (optional colors available)	Orange, Blue, Yellow, Red				
8	Push/Pull Drive Chain Size	#50				

### BASIC DIMENSIONS (REFER TO DIAGRAM ON PAGE 3)

A	Minimum roll-out height (with no pedestal)*	4.625 in/118 mm				
	Minimum roll-out height with standard pedestal*	6.625 in/169 mm				
B	Magnet Reach w/ 152mm Arm (draw bar fully extended)	3.5 in / 89 mm				
	Magnet Reach w/ 203mm Arm (draw bar fully extended) (Option)	5.5 in / 140 mm				
C	Overall Length	STD - 63 in / 1600 mm		CL - 71 in / 1804 mm		
D	Overall Width (in/mm)	34.5/876	40.5/1029	46.5/1181	52.5/1334	58.5/1486
E	Overall Height	44.125 in / 1121 mm				
F	Battery Compartment Width (in/mm)	24/610	30/762	36/914	42/1067	48/1219
G	Magnet Travel (draw bar fully retracted)	STD - 42 in / 1067 mm		CL - 50 in / 1270 mm		

\*When fitted to a standard pallet truck with 86mm thick forks

### ADDITIONAL DIMENSIONS

H	Maximum Battery Length w/ 152mm Arm	STD - 43 in / 1093 mm		CL - 51 in / 1296 mm		
	Maximum Battery Length w/ 203mm Arm (Option)	STD - 41 in / 1042 mm		CL - 49 in / 1245 mm		
<i>If a Safety Gate option is fitted, all maximum battery lengths will be reduced by 1.25 in / 32 mm</i>						
I	Maximum Battery Width (in/mm)	23/584	29/737	35/889	41/1041	47/1194
J	Minimum Battery Width	6 in / 152 mm				
K	Minimum Battery Height	13 in / 331 mm				
L	Maximum Battery Height	32 in / 813 mm				
M	Minimum Required Pallet Truck Fork Length	48 in / 1220 mm				
N	Extraction Height, Mounted on Standard Pallet Truck + Standard 4.7" Lift	11.378 in / 289 mm				

### WEIGHTS

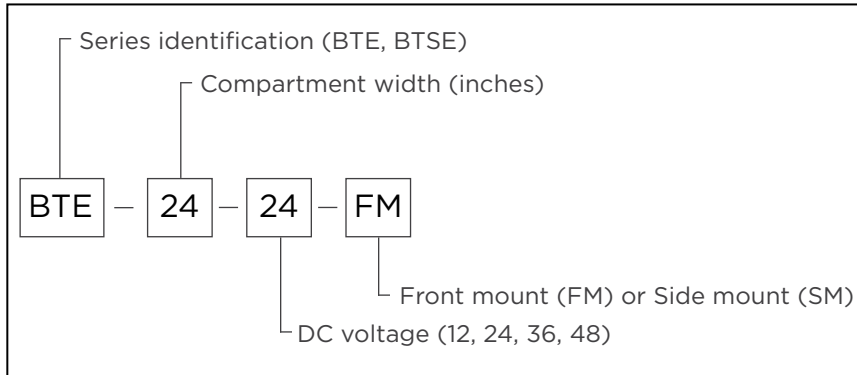
O	Service Weight Excluding Pallet Truck and Battery	658 lb/298 kg	700 lb/317 kg	730 lb/331 kg	760 lb/344 kg	790 lb/358 kg
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### PERFORMANCE

P	Rated Draw Bar Pull (1/4" Plate)	1,800 lb / 818 kg				
Q	Arm Travel Speed	38 FPM / 11.5 m/min				

# Model/Part Number Breakdown

Example: BTE-24-24-FM



The Battery Tugger Stepped



The BTSE step is customizable and available in 1" increments

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*Due to continuous product improvements, specifications are subject to change without notice. Some systems and features shown may be optional at extra cost.*

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