

BATTERY CARRIAGES

## ***AUTOMATIC TRANSFER CARRIAGE***

### ***MODEL ATC***

- *Available in four models with flexible options to satisfy unique battery handling requirements*
- *Convert your existing pallet truck into an efficient portable battery changer*



BATTERY HANDLING SYSTEMS



## BATTERY CARRIAGES

# AUTOMATIC TRANSFER CARRIAGE

### FEATURES & BENEFITS:

- Lower system cost by utilizing existing equipment
- Mounts easily to powered pallet truck. Consult factory for pallet truck specifications.
- Powered by the pallet truck battery (12 or 24 volts available)
- Simple center mounted controls for easy operation from left, right or rear of the extractor
- Standard industrial components utilized in the design, allowing for local parts availability
- (10) compartment rollers allow for better wear and load distribution
- Hydraulic powered push-pull extraction
- Many flexible options available to satisfy your unique battery handling requirements



Ergonomic Controls

### ATC OPTIONS



**Hook & Chain Extraction (ATC-HC)** Manual hook-up option available as a back-up extraction mechanism for vacuum or magnet extraction models.



**Vacuum Extraction (ATC-VAC)** Vacuum option eliminates the need for manual hook-up and reduces wear and tear on batteries.



**Magnet Extraction (ATC-MAG)** Magnet option eliminates the need for manual hook-up and reduces wear and tear on batteries. Ideal when batteries are too narrow for vacuum extraction.



**Extended Roller Compartment (ATC-CAN 7-6)** For longer than normal battery lengths, BHS offers a variety of bed extension options. Note: Consult factory for this option.



**(ATC-LPF)** Allows roller height to be adjusted 7/8" lower than standard unit. Note: Consult Factory for this option.



**Rubber Bumper (ATC-RB)** Rubber bumpers are available to protect your lift truck fleet during battery change outs.



**Remote Control (ATC-RMT)** 6' cord enables ATC control from operator's position on fork lift. Note: Consult Factory for this option.



**Extended Reach Cantilever (ATC-CAN-7)** Extends extractor arm reach an additional 7". Ideal for use with outriggers.

**ATC OPTIONS (Cont'd)**



**Drop-in Rollers (ATC-DIR)**

Increases roller height up to 10" to reach battery compartments beyond pallet truck maximum lift. Note: Recommended when ATC-2TIER is not feasible and multiple battery height extractions are required. Consult Factory for this option.



**Fork Pocket Mounting for pallet truck (ATC-FP-C)**

Designed for frequent pallet truck change over. Includes a tongue kit to enhance stability and dual SB-175 gray connectors (ATC-QDY).



**Self-Contained Battery and Charger (ATC-BATT), (ATC-CHGR)**

The ATC-BATT and ATC-CHGR allow the ATC to operate independently from lift truck. Self-contained charger used in conjunction with self-contained battery provides a convenient and complete battery changing system.



**Quick Disconnect (ATC-QDY)**

Dual SB-175 Gray connector harness plugs into the pallet truck and battery allowing ATC and pallet truck to be powered simultaneously.



**Two-Tier Roller Compartment (ATC-2TIER)**

The Two-Tier roller compartment provides two roller levels in one unit. This option is available for facilities that have narrow aisle trucks as well as counter balance trucks. Note: Consult factory on this option.



**Fork Pocket Mounting for lift trucks (ATC-FP)**

This fork pocket option is recommended to be used with lift trucks. The following options are available to use in conjunction with the ATC-FP: (ATC-RMT), (ATC-BATT), (ATC-CHGR), (ATC-VAC). (Recommended for single level applications only)

**ADDITIONAL OPTIONS**

**Heavy Duty Vacuum Extraction (ATC-HD)** This option is available for applications where slide strips and/or heavy batteries are used. (Includes HD motor)

**Permanent Mounting (ATC-MPJ)** Factory welding to customer supplied pallet truck. Consult factory on this option.

**Bolt-on Mounting (ATC-BLTON)** Bolt mounting solution when pallet truck is occasionally required for other tasks.

**Uncoated Rollers (ATC-UNCTD)**

Reduces roller height by .25" to accommodate low battery compartments. Available on the ATC-24 model only.

**Low Profile (ATC-LP)**

This cost effective ATC bolt in slide option allows roller height to be adjusted 1/2" lower than standard unit. Note: Consult Factory for this option.

**Rubber Flap Kit (ATC-RGD)**

The rubber flap option covers the sprocket, shaft, and chain assembly.

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### Product Specifications - Imperial / Metric

	ATC 24	ATC 30	ATC 36	ATC 42
Max. Load Capacity <sup>1</sup>	4,000 lbs / 1810 kg	4,000 lbs / 1810 kg	4,000 lbs / 1810 kg	5,000 lbs / 2265 kg
Voltage Requirement	12/24 VDC	12/24 VDC	12/24 VDC	12/24 VDC
Hydraulic Pump	Gear	Gear	Gear	Gear
Extractor Arm Travel Speed	0-24 fpm .12 m/s	0-24 fpm .12 m/s	0-24 fpm .12 m/s	0-24 fpm .12 m/s
Battery Attachment	Hook & Chain Standard Vacuum & Magnet Optional	Hook & Chain Standard Vacuum & Magnet Optional	Hook & Chain Standard Vacuum & Magnet Optional	Hook & Chain Standard Vacuum & Magnet Optional
Optional Magnet	4" x 12" / 101 mm x 305 mm	4" x 12" / 101 mm x 305 mm	4" x 12" / 101 mm x 305 mm	4" x 12" / 101 mm x 305 mm
Optional Vacuum <sup>2</sup>	10" Dia. / 254 mm	12" Dia. / 305 mm	12" Dia. / 305 mm	12" Dia. / 305 mm
Primary Drive Reduction	2:1	2:1	2:1	2:1
Primary Drive Chain Size	#50	#50	#50	#50
Roller Diameter	2.4" / 61 mm	2.4" / 61 mm	2.4" / 61 mm	2.4" / 61 mm
Roller Shaft Size	7/16" Hex / 11 mm	3/4" Hex / 19 mm	3/4" Hex / 19 mm	3/4" Hex / 19 mm
Battery Width	6" Min. / 23" Max. 150 mm Min. / 585 mm Max.	6" Min. / 29" Max. 150 mm Min. / 735 mm Max.	6" Min. / 35" Max. 150 mm Min. / 890 mm Max.	6" Min. / 41" Max. 150 mm Min. / 1040 mm Max.
Battery Length <sup>3</sup>	41" Max. / 1040 mm	41" Max. / 1040 mm	41" Max. / 1040 mm	41" Max. / 1040 mm
Min. Battery Height Hook & Chain Magnet Vacuum	12" / 305 mm 18" / 455 mm 21" / 530 mm	12" / 305 mm 18" / 455 mm 21" / 530 mm	12" / 305 mm 18" / 455 mm 21" / 530 mm	12" / 305 mm 18" / 455 mm 21" / 530 mm
Overall Length	61" / 1550 mm Standard 67" / 1702 mm Cantilever Option	61" / 1550 mm Standard 67" / 1702 mm Cantilever Option	61" / 1550 mm Standard 67" / 1702 mm Cantilever Option	61" / 1550 mm Standard 67" / 1702 mm Cantilever Option
Overall Width	29.5" / 750 mm	35.5" / 902 mm	41.5" / 1055 mm	47.5" / 1207 mm
Overall Height	34" / 864 mm	34" / 864 mm	34" / 864 mm	34" / 864 mm
Base to Roller Height	3" / 76 mm	3" / 76 mm	3" / 76 mm	3" / 76 mm
Roller Width	24.5" / 622 mm	30.5" / 775 mm	36.5" / 927 mm	42.5" / 1079 mm
Extended Arm Reach (Beyond Roller Bed)	6" / 152 mm Standard 13" / 330 mm Cantilever	6" / 152 mm Standard 13" / 330 mm Cantilever	6" / 152 mm Standard 13" / 330 mm Cantilever	6" / 152 mm Standard 13" / 330 mm Cantilever
Rated Draw Bar Pull	1,000 lbs / 450 kg	1,000 lbs / 450 kg	1,000 lbs / 450 kg	1,000 lbs / 450 kg
Average Draw Bar Pull	750 lbs / 340 kg Vacuum 775 lbs / 350 kg Magnet	1,000 lbs / 450 kg Vacuum 775 lbs / 350 kg Magnet	1,000 lbs / 450 kg Vacuum 775 lbs / 350 kg Magnet	1,000 lbs / 450 kg Vacuum 775 lbs / 350 kg Magnet
Service Weight (unloaded) <sup>4</sup>	580 lbs / 265 kg	640 lbs / 295 kg	700 lbs / 320 kg	770 lbs / 350 kg

Notes: BHS recommends the high speed travel be disabled on pallet truck and maximum speed set at turtle or lowest setting.

1. Verify capacity of pallet jack being used at the specified load center. Load center increases by 0.5" (12.7 mm) for every inch of battery over 38" (965 mm) in length. Certain options may affect load capacity. Consult factory.
2. Minimum battery width for 10" (254 mm) diameter vacuum is 11 1/2" (292 mm). Minimum battery width for 12" (305 mm) diameter vacuum is 13 3/4" (350 mm)
3. Consult factory for additional options
4. Weight does not include options. Add 80 lbs (37 kg) for magnet extraction

