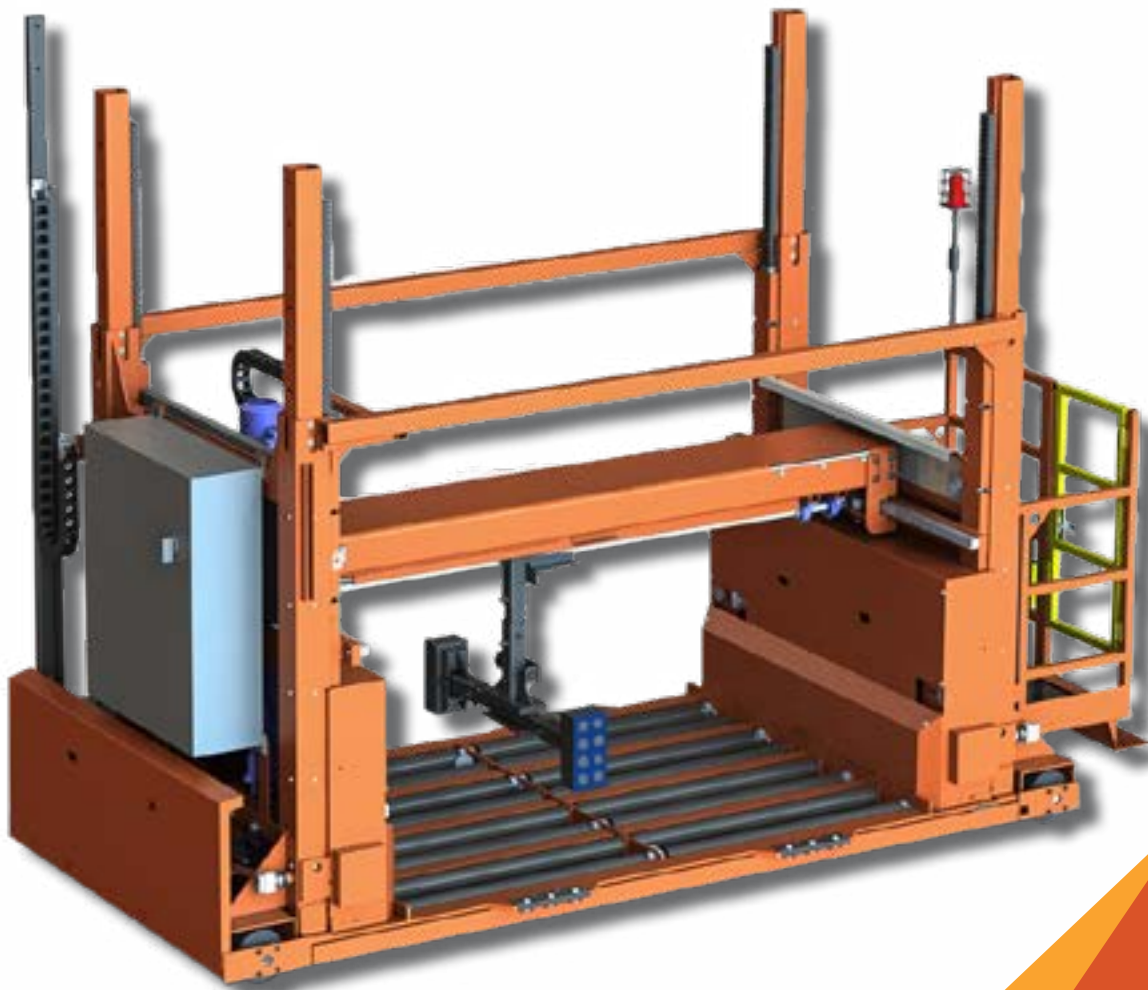




BBE-FA

BATTERY BULL ELECTRIC FULLY AUTOMATED
MULTI-LEVEL, AUTOMATED BATTERY MANAGEMENT





BBE-FA

BATTERY BULL ELECTRIC FULLY AUTOMATED

The BBE-FA is a highly adaptable and efficient system that provides support for changing batteries in automated applications on a large scale. It utilizes the same AC power core as our other BBE models, which ensures high performance, efficiency, and low maintenance. The BBE-FA is equipped with advanced logic programming and sensor-based diagnostics, which eliminates the need for human intervention during battery changes.

This Carney system exceeds the most stringent industry standards for AGVs, and includes self-diagnostic and logging capabilities that minimize downtime due to unscheduled maintenance and servicing.

FULLY PROGRAMMABLE

The fully automated battery bull comes equipped with a fully-programmable logic-based AC power system that gives the system precise control and responsiveness for faster changes.

SELF-DIAGNOSTICS & LOGGING

Decreases both downtime and servicing, maximizing production times.

FULLY ELECTRIC

This system has no hydraulics ensuring no oil leaks, reducing service requirements by up to 30%.

POWERED ROLLERS

The powered lead rollers increase the speed of each battery change by 25% freeing up your forklifts faster.

ELECTROMAGNETIC EXTRACTION

Each system is equipped with two powerful electro-magnets with 1,800 lbs of draw bar pull to handle even the heaviest batteries.

WARRANTY

Every unit comes with a standard 1-year warranty for your protection and a 5-year warranty on the electromagnet.



KEY FEATURES + OPTIONS

- ✓ Custom colours available
- ✓ Multi-level racking available up to 3-levels
- ✓ Integrated safety systems
- ✓ Emergency override
- ✓ Acid proof powder coating
- ✓ Remote management interface
- ✓ Integrated battery management systems available
- ✓ Easily integrated with Automated guided vehicles
- ✓ Dual battery bays for smoother changes
- ✓ Semi or Fully automated systems available
- ✓ Integrated safety sensors & alarms
- ✓ Built-in rubber sliders, lead rollers & bumpers to protect batteries



	<u>STANDARD</u>	<u>METRIC</u>
Unit capacity	10,000 lbs	4536 kgs
Powerpack type	Gear reduced electric	
Raise/Lower Horse Power	2 x5 HP	2 x3.75 KW
Drive System Horse power	3 HP	2.25 KW
Unit voltage	110 VAC/24 VDC	
Magnet size	6.5"/11.5"	152 x 292 mm
Magnet pole	8	
Standard colours	Orange & Blue	
Machine duty cycle	5,500 hrs	
Lift speed	0-21 FPM	0-6.4 MPM
Travel Speed	0-175 FPM	0-53.3 MPM
Max Input voltage	575 V	
Max Frequency	60 Hz	
Max current drawn	23 A	
Draw bar pull	1,800 lbs	817 kgs
Service weight	7,000 lbs	3176 kgs



Built-in Proximity Sensor



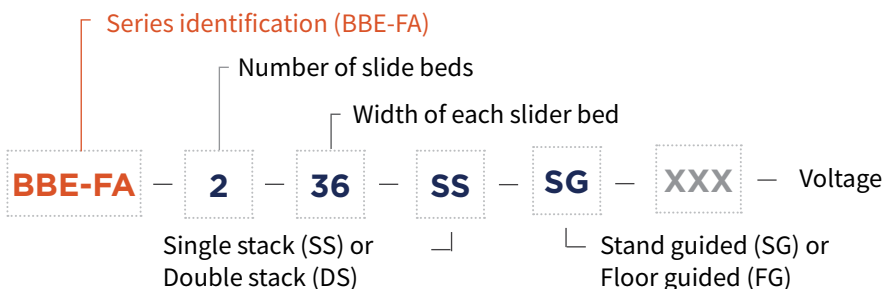
System Control Panel



Operator control station

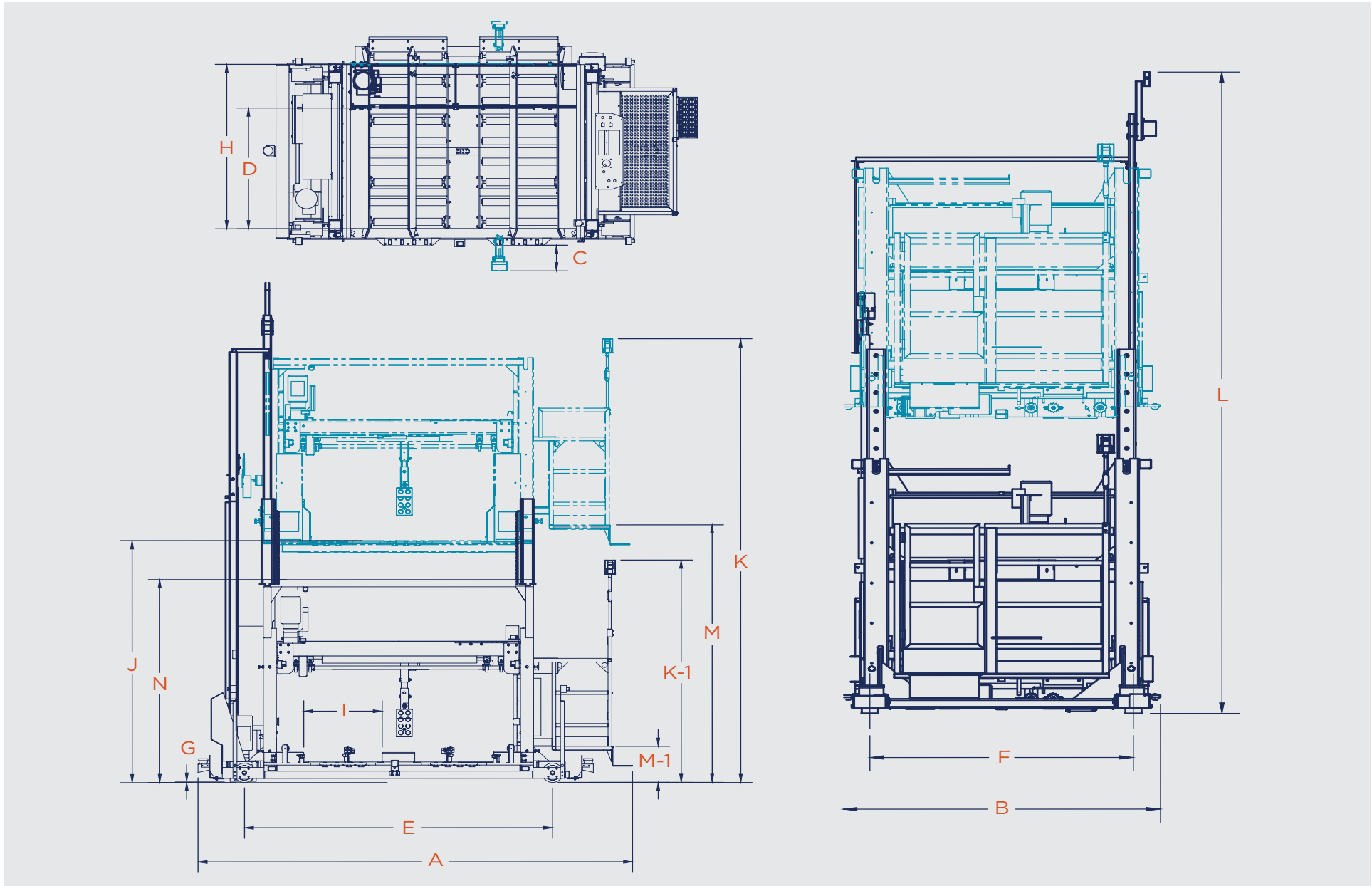
MODEL-PART NUMBER BREAKDOWN

Example: BBE-FA-2-36-SS-SG-XXX



DIMENSIONAL DATA

BBE-FA



DIMENSIONAL DATA

BBE-FA-2-30

BBE-FA-2-36

BBE-FA-2-42

BBE-FA-2-48

A	Overall length	176"/4470 mm	188"/4775 mm	200"/5080 mm	212"/5385 mm
B	Overall width	80.5"/2045 mm			
C	Standard magnet arm reach	12.25"/311 mm			
C-1	Extended magnet arm reach	Customized to suit			
D	Bridge travel	53.5"/1359 mm			
E	Wheel base	125"/3175 mm	137"/3480 mm	149"/3785 mm	161"/4089 mm
F	Centreline of drive wheels	64.7"/1645 mm			
G	Ground clearance	0.5"/13 mm			
H	Battery compartment length	64"/1626 mm			
I	Battery compartment width	30"/762 mm	36"/914 mm	42"/1067 mm	48"/1219 mm
	Maximum battery length	60"/1524 mm			
	Maximum battery width	28"/711 mm	34"/864 mm	40"/1016 mm	46"/1168 mm
	Maximum battery height	37"/940 mm			
	Minimum battery length	18"/457 mm			
	Minimum battery width	6"/152 mm			
	Minimum battery height	20"/508 mm			
	Minimum over travel (front)	94"/2388 mm	103"/2616 mm	112"/2845 mm	121"/3073 mm
	Minimum over travel (rear)	114"/2896 mm	122"/3099 mm	132"/3353 mm	140"/3556 mm

LEVEL DIMENSIONAL DATA

SINGLE

DOUBLE

TRIPLE

J	Carriage roller bed (raised)	30"/762 mm	54"/1372 mm	100"/2540 mm
J-1	Carriage roller bed (lowered)	5.5"/140 mm		
K	Overall height (raised)	108"/2743 mm	139"/3531 mm	184"/4674 mm
K-1	Overall height (lowered)	89"/2261 mm		
L	Overall height to top of tow arm	134"/3404 mm	168"/4267 mm	208"/5283 mm
M	Operator platform height (raised)	36.5"/927 mm	62.5"/1588 mm	106.5"/2705 mm
M-1	Operator platform height (lowered)	12.5"/318 mm		
N	Shipping height	84"/2134 mm		
	Floor variance	0.25"/6 mm		



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- ✓ In-house Manufacturing
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- ✓ Automated Battery Handling
- ✓ System Design
- ✓ And more!

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HAVE ADDITIONAL QUESTIONS? GET IN TOUCH

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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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BBE-FA_specifications_NA