



# ERGO LIFTING

— TECHNOLOGIES —

## STANDARD FEATURES AND EQUIPMENT

### WB-1200

#### DRIVE

- Solid rubber tires
- Rear wheel drive steering in a tricycle configuration
- 24 VDC battery electric drive
- Pulse width modulation (PWM) solid state digital speed and directional control
- Electric chassis drive includes transmission and

#### CHASSIS

- Counterbalanced fixed boom assembly
- Slide-out counterweight chassis mounted with optional extra plates (110 lbs. each)
- Built in 40 Amp battery charger with linear rate control, 110 volt, 60 hz. single phase
- Electrical circuit breakers

#### VACUUM

- Redundant vacuum pumps, non-lubricated positive displacement, automatic start-stop control
- Vacuum frame accepts variety of cup sizes, fully adjustable
- Vacuum cartridges include bi-directional coil spring loaded mounts
- Includes 2 standard 20" x 12" rectangular suction cups, 550 lbs. lift per cup in shear at 100% safety factor

\* Optional add-on feature



#### CONTROL

- 9 standard direction manipulator motions
- Forward reach to 7" frame/mullion depth

#### HYDRAULICS

- 2.8 HP, DC drive motor direct coupled to hydraulic pump
- All hydraulic functions are proportionally controlled,

#### CONSOLE

- Wireless Control
- Console items include:
  - Multi function controls for all manipulator end effector functions
  - Vacuum release switches
  - Emergency stop
  - Hi-low dial & vacuum readout on wireless controller

#### SAFETY

- Speed and directional controls handlebar mounted separate from boom/manipulator controls
- Low vacuum level alarm, audible horn
- Safety vacuum check valves
- Console-mounted dual switch vacuum release
- Anti-tipping mechanism automatically prevents forward extension of load prior to unbalanced situation; forward tipping is prevented.



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## SPECIFICATIONS

### DIMENSIONS

WB 1200 CHARACTERISTICS	SPECIFICATIONS
Lift Capacity	1,200 lbs.
Closed Chassis Length	80"
Width	34"
Height: Retracted Clearance	78"
Height: Center of Lift Hub	210"
Turning Radius	0"
Unladen Weight (including 3 standard 110 lb. counterweights)	2400 lbs.
Optional Counter Balance Plate	110 lbs.

### POWERED MANIPULATION FUNCTIONS

CONTROL	ASSEMBLY	DIRECTION	VIEWED FROM
1	Boom Camber	Pivots Forward and Backward	Side Elevation
2	Boom	Raise-Lower	Side Elevation
3	Boom	Telescoping Extend-Retract	Side Elevation
4	Crab	Up and Down	Front Elevation
5	Manipulator - Vacuum Cup Frame	Vertical Angular Tilt	Side Elevation
6	Manipulator - Vacuum Cup Frame	Horizontal Angular Tilt	Top Plan
7*	Manipulator - Vacuum Cup Frame	Lateral Side Shift, 2" Left & 2" Right, 4" Total	Front Elevation
8	Manipulator - Vacuum Cup Frame	EZ Set: 11" Reach, Out & Down / Up & In	Front Elevation
9	Manipulator - Vacuum Cup Frame	Rotate - CW and CCW 180°	Front Elevation

- All hydraulic controls use fine metering valves.
- The hydraulic circuits are equipped counterbalance valves to prevent leak down and droop under load.

