



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.



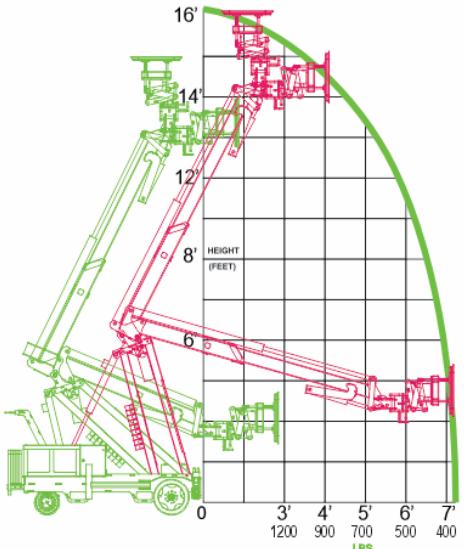
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SPECIFICATIONS

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.

WB-1200 VERTICAL LIFT
1200 LBS. MAXIMUM



WB-1200 LOAD CHART

POWERED MANIPULATION FUNCTIONS

CONTROL ASSEMBLY	DIRECTION	VIEWED FROM
1	Boom Camber	Side Elevation
2	Boom	Side Elevation
3	Boom	Side Elevation
4	Crab	Front Elevation
5	Manipulator - Vacuum Cup Frame	Side Elevation
6	Manipulator - Vacuum Cup Frame	Top Plan
7*	Manipulator - Vacuum Cup Frame	Front Elevation
8	Manipulator - Vacuum Cup Frame	Front Elevation
9	Manipulator - Vacuum Cup Frame	Front Elevation

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

