

BRIGHT IDEAS.



BRIGHT INNOVATION.

LIFT TRUCK DESIGNED WITH THE POULTRY INDUSTRY IN MIND

# BC3-6000



*Patented  
"Free Lift Mast"  
(Patent No. 8777545)*

The one-piece all steel welded construction makes the BC3-6000 chassis very rugged while its wide and low profile frame provide a stable machine. Extra-wide hinged type hoods and removable covers, as well as a sensible layout of major components and service points, allow for exceptional maintenance and service access.

The ergonomically designed operator enclosure features a complete instrument panel, a combined foot and hand throttle, a forward and reverse pedal control, a main electric shut-off switch and a heavy duty suspension seat with retractable seat belt.



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**LIFT TRUCK DESIGNED WITH THE POULTRY INDUSTRY IN MIND**  
**BRIGHT 3 WHEEL FIELD LOADER** **Model: BC3-6000**

**Characteristics:**

**ENGINE:** Kubota liquid cooled V2403MT with 60hp is a perfect match for the three wheel hydrostatic drive. The Interim Tier IV engine is equipped with glow plugs and an overheat and low pressure shut down device.

Type ..... 4 cylinders in-line  
 Gross power (@ 2500 rpm) ..... 60 HP (45 Kw)  
 Fuel tank capacity ..... 25 US gal. (95 l)  
 Hydraulic tank capacity ..... 22 US gal. (83 l)

**TRANSMISSION:** The Danfoss 40 series hydrostatic pump combined with Poclain MS05 series drive motors is the perfect match to give you the most efficient machine possible. The hydrostatic system include a high quality pressure filter to increase life expectancy.

**BRAKES:** The forklift uses the hydrostatic as main braking system and a spring applied and hydraulic release emergency / parking brake. Using the hydrostatic as brakes gives you a maintenance free system.

**CHASSIS:** The one-piece all steel welded construction makes a very rugged and rigid chassis. Wide and low profile frame provides a stable machine. Exceptional maintenance and service access, due to extra-wide hinged type hoods and removable covers, as well as sensible layout of major components and service points.

**MAST:** The three-stage free lift mast is standard. The use of **Thrust Blocks** made of high strength and low friction thermoplastic material in the horizontal carriage, rotator and carriage side load increase the life cycle.

These **Thrust Blocks** can sustain greater impacts than conventional expensive to maintain roller systems. Both lift chains are of multiple-leaf construction with convenient adjustment points. The hoses for carriage attachments and free lift cylinder are mounted inside the mast rails for maximum protection.

Hydraulic lift cylinders with safety valves ..... Two 2-1/4"  
 Hydraulic free lift cylinder with safety valves ..... 2-1/2"  
 Hydraulic tilt cylinders ..... Two 3"

**CARRIAGE:** The 43-1/2" wide high-capacity pin type carriage with rotator is standard. The 20° clockwise and 35° counter clockwise rotator uses the high strength and low friction **Thrust Blocks**.

**FORKS:** The pin-type forks are made from high-grade treated steel. They are pin mounted to allow for variable fork spread. The standard forks are 6' long by 4-3/4" wide and 1-3/4" thick. (optional lengths available)

**HYDRAULIC SYSTEM:** One tandem gear type pump directly mounted on the hydrostatic pump. In-tank suction strainer and easy to replace spin-on high quality return filter ensure clean oil. The monoblock control valve is easily accessible and is directly controlled. The monoblock and direct link control valve system makes this system the most reliable system possible.

**STEERING SYSTEM:** Hydraulic system delivers constant oil flow to hydrostatic steering system for uniform steering response. The steering cylinder is a 2" with welded rod end for durability. High strength link is connected directly to the steering spindles which is equipped with oversized high capacity Timken bearings.

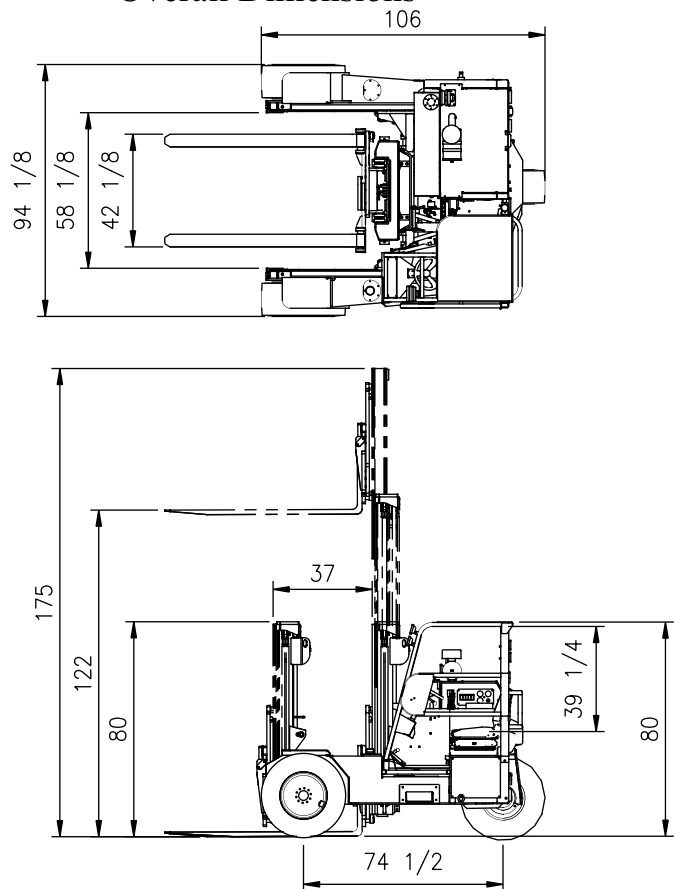
**TIRES:** Front: 31.5 x 13-16.5 10 ply HD; Rear Steering: 31.5 x 13-16.5 10 ply HD

**OPERATOR'S ENCLOSURE:** The ergonomically designed operator enclosure features a complete instrument panel, a combined foot and hand throttle, a forward and reverse pedal control, a main electric switch and a heavy duty suspension seat with retractable seat belt.

**Complete instrument panel:** hour meter, engine temperature gauge, engine oil pressure gauge and alternator indicator. The electrical system is protected by circuit breakers.

**Standard Features:** Electric horn, six (6) LED working lights (3 whites and 3 reds), back up alarm, LED strobe light and D.O.T. approved LED tail and marker lights.

**Overall Dimensions**



**MAST GROUND CLEARANCE : 8"**

N.B. The manufacturer reserves the right to make modifications at any time without incurring any obligations to make changes to machines previously manufactured.

**BASIC RATED CAPACITY.....6,000 lbs. @ 24" LC**  
**APPROXIMATE WEIGHT.....8,100 lbs.**

**Mast Dimensions:**

LIFT CAPABILITY	OVERALL HEIGHT	
122"	80"	175"
FREE LIFT	25"	