

PO Box 1847  
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Vertical balers

36"W

48"W

**60"W**

72"W

specialized

Horizontal closed-door balers

'B' series

'C' series

'D' series

'E' series

'F' series

specialized

Horizontal open-end balers

Standard-duty series

Heavy-duty 'B' series

Heavy-duty 'C' series

Heavy-duty 'D' series

Heavy-duty 'E' series

specialized

Twin-ram balers

Standard-duty series

Heavy-duty series

Scrap metal balers

Oil filter balers

Conveyors

Slider-bed

Chain-belt

Fluffers

Cart dumpers

Self-contained compactors

Stationary compactors

Design assistance with waste  
and recycling flow, site fit, etc.

# NOVA Series Balers

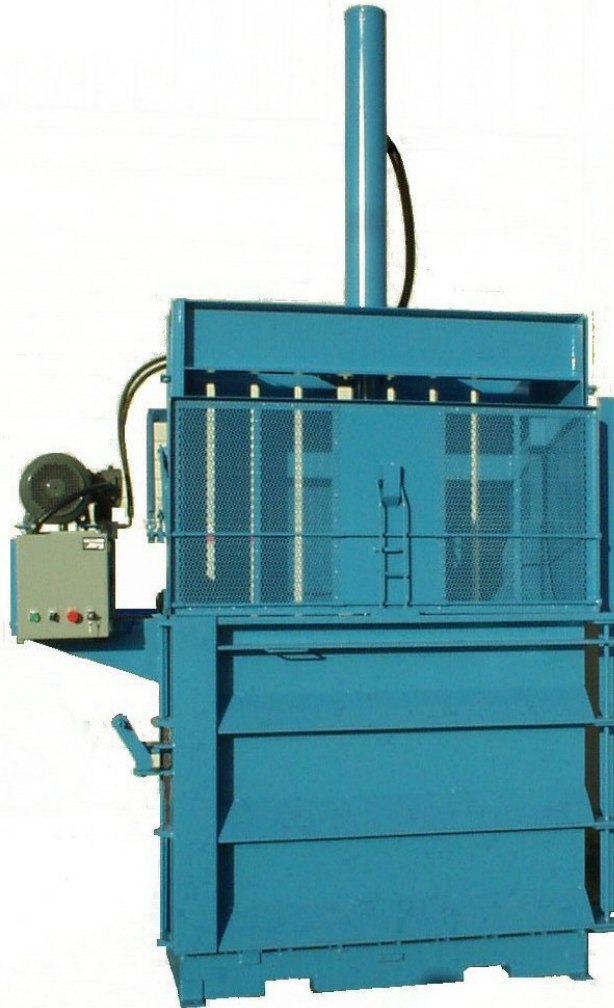


Photo of **NOVA 660** showing:

- adjustable-tension safety gate
- front-access door latch crank
- built-in fork pockets
- easy-access power unit which allows for economical upright shipping and installation when the cylinder is dropped
- simplified keylocked control panel

Not visible:

- persistent safety interlock protects employees, operators
- adjustable automatic bale size shut-off instead of arrows to watch

NOVA vertical downstroke balers from Summit Equipment, Inc. are designed for peak performance in baling OCC, ONP, CPO, office paper, UBC, and tin cans. They can also be modified for plastics, foam, and other special materials. Bales can be sized to an industry-standard 30" × 60" × up to 48" and will weigh 900-1200 lbs in OCC.

These balers produce industry-standard bales at less cost than horizontal balers. Their controls allow owner adjustment of dwell and hold mode to help give extra density to stubborn materials. Productivity, durability, and flexibility are designed-in. Ask your Summit representative for more information.

*Engineered for Peak  
Performance*

## **PRODUCTIVITY**

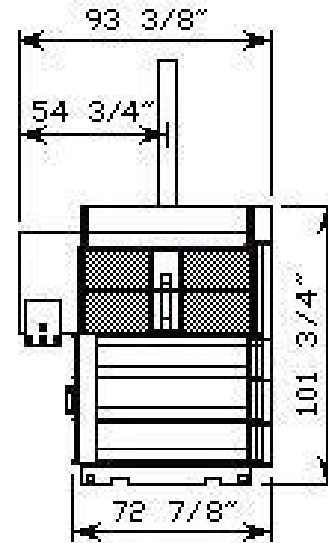
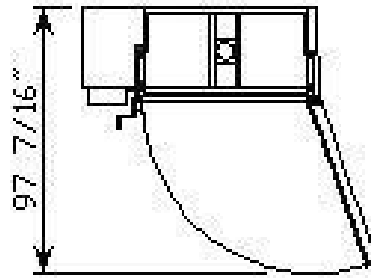
- ☑ Reduce mounds of material to as little as 10% of its original volume
- ☑ Requires minimal floor space
- ☑ Turn waste cardboard into saleable bales
- ☑ Variety of cylinder and bale sizes to maximize shipping loads
- ☑ Simple operation and bale tying
- ☑ Modular power unit with reliable industry-standard parts for easy maintenance
- ☑ Automatic load door opening on most models
- ☑ Persistent interlock maximizes safety, minimizes risk of incorrect operation

## **DURABILITY**

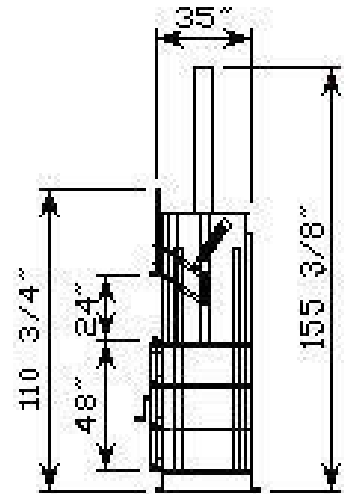
- ☑ Replaceable wear pads ensure no metal-to-metal contact in platen guide system
- ☑ Elimination of cylinder rod side-loading extends cylinder life up to 300%
- ☑ Expert craftsmanship on all welds assures long-term structural integrity, precise alignment, longer life
- ☑ All wear surfaces are replaceable, allowing life-long maintenance of original tolerances & performance
- ☑ 12 month warranty on parts and labor. Check with your Summit representative for availability of extended warranty

## **FLEXIBILITY**

- ☑ Models are available for baling cardboard, papers, PET, HDPE, foam rubber, aluminum cans, non-ferrous scrap, steel cans, rolled materials, etc.
- ☑ Optional operation under an 8' ceiling
- ☑ User-adjustable bale height from control panel
- ☑ User-adjustable dwell and hold mode
- ☑ Optional front wire feed & auto-eject
- ☑ Standard 208V, 240V, 480V 60Hz 3Ø, as well as optional 220V 1Ø, 575V 3Ø or other



## **LAYOUT & DIMENSIONS**



Specifications	NOVA-660
<b>Bale size</b>	30"D × 60"L × up to 48"H
<b>Feed opening</b>	24"H × 60"W
<b>Tie wires</b>	(6) 12 gauge pre-looped
<b>Cycle time (no load)**</b>	61.3 Sec**
<b>Cylinder</b>	6" × 48"
<b>Power</b>	10 HP 3Ø 208/240/480 V.
<b>Controls</b>	PLC/pushbuttons
<b>Pump</b>	10.5 GPM
<b>Force/Platen pressure</b>	70,686 total/ 39.3 PSI
<b>Bale ejection</b>	Mechanical + hydraulic
<b>Approximate ship wt</b>	4,600 lb
<b>Bale wt/density OCC</b>	900-1300 (18-26 lb/ft <sup>3</sup> )
<b>Typical bale wt news/CPO</b>	1200-1400

\*\* No-load, full-stroke cycle time.

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## NOVA-660 Vertical Baling Press

November 2009

<b>General</b>	Bale size (chambered)	• 30"D × 60"W × up to 48"H
	Bale weight range (OCC)	• 950-1250 lbs
	Bale density range (OCC)	• 18-26 lbs/cu.ft.
	Bale ties	• (6) 14 ft 13 ga pre-looped
	Load opening	• 60"W × 24"H
	Cycle modes	• Auto, Hold
	Cycle time (no load)	• 61.3 seconds
	Total baling force	• 70,686 lbs
	Platen face pressure	• 31.4 PSI normal; 39.3 PSI maximum
	Platen penetration	• 24"

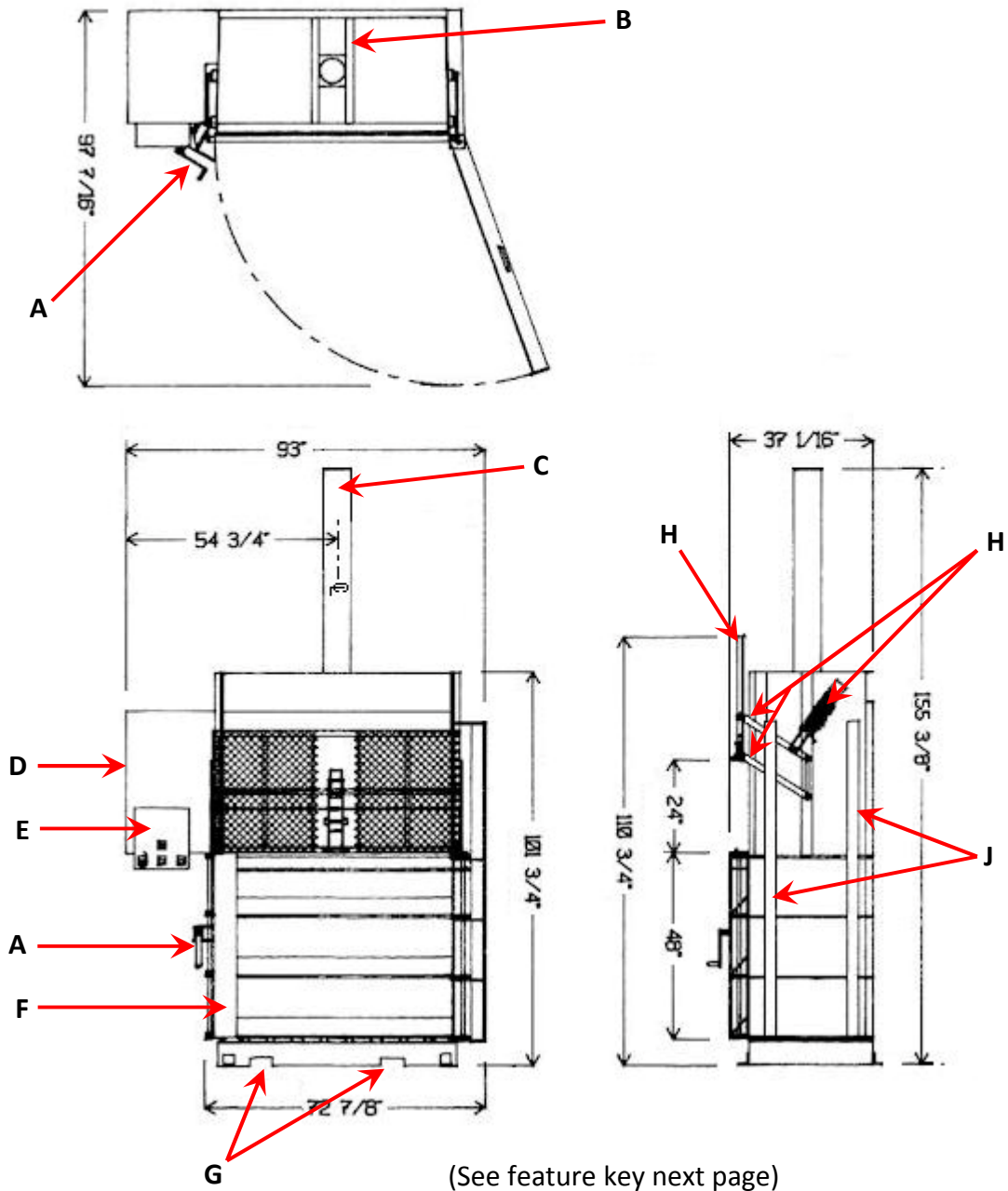
<b>Power</b>	Motor	• 10 hp
	Line power	• 208, 240, or 480 VAC 60Hz. 3Ø (across-the-line starting; other voltages at upcharge)
	Hydraulic pump	• 10.5 GPM
	System line pressure	• 2,000 normal; 2,500 maximum
	Total packing force	• 70,686 lbs
	Platen face pressure	• 31.4 PSI normal; 39.3 PSI maximum
	Cylinder(s)	• (1) 6" × 48" × 2 ½"
	Safety shutdown	• Mushroom-headed emergency STOP
	System protection	• electrical and mechanical, manual and auto
	Fluid reservoir	• supplied with breather and fluid
	Certification	• listed to UL508A/CSA C22.2 No.14

<b>Structural</b>	Construction	• Welded steel chassis; slot-back design; tamper-resistant safety loading door; user-adjustable automatic bale sizer; ships/installs upright; etc.
	Overall dimensions	• see drawings
	Approx ship weight	• 4,810 lb

Due to continuing product improvements, specifications are subject to change without notice or obligation.

# SUMMIT EQUIPMENT, INC.

## NOVA-660 DOWNSTROKE BALER FEATURES



(See feature key next page)



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# ***SUMMIT EQUIPMENT, INC.***

## **NOVA-660 DOWNSTROKE BALER FEATURES** (Refer to drawing, previous page)

- A Bale door latch crank.** Traditional vertical balers use a turnbuckle with a small wheel in its center to control the door latch. They require stooping along the side of the baler, and repeated, short jerks on the wheel to operate the latch. Summit's crank allows easy operation of the latch from the front of the baler.
- B Cylinder-to-chassis mount.** The cylinder is flange-mounted to a structural keyplate welded permanently into the chassis of the baler. The flange and keyplate provide for alignment bolts so that the cylinder rod can be precisely aligned with the travel of the platen within the chassis. This eliminates side-loading of the rod, saving its seals from leaking and extending the life of the cylinder.
- C Cylinder-to-platen mount.** The cylinder rod is attached to the platen with a large-diameter pin, oriented so that in the event the platen should tip in its long dimension, the platen will not transmit a bending force on the cylinder rod, further protecting the cylinder from leaking and premature failure.
- D Side-mounted power unit.** Vertical baler power units are typically mounted atop the chassis. This makes service more difficult, and results in higher shipping and installation costs (the traditional baler must be laid down for shipment, requiring more truck deck space per baler, and requiring standing it upright at installation). Summit's side-mounted power unit allows for less shipping expense and a more efficient and economical installation.
- E Controls.** Baler functions are controlled and monitored by a PLC, including persistent safety. The PLC program monitors the position and timing of the loading gate, and stops the baling operation if personnel attempt to continue baling with the gate open, or to wire around or otherwise bypass the operation of the gate interlock switch. Controls are UL certified (508A).
- F Bale door latch.** The latch is controlled by a convenient hand crank operated from the front of the baler. The latch maintains its hold until the bale door has opened at least 4" for safety.
- G Fork pockets.** The baler is standardly supplied with forklift pockets, offset to center the weight of the baler on the forks. It makes off-loading and installation simpler when you don't have to fight dunnage under the baler.
- H Loading gate assembly.** Traditional vertical balers use loading gates that slide in tracks and are counter-balanced with chains and weights. Typically, the chains jump off of their sprockets, or weights get loose from the chains and drop down into their slots in the baler and have to be fished out. Worse, the gate can drop rapidly and risk injury. Summit's gate design has been proved since the 1970's. The gate is supported on (4) arms tensioned by (4) adjustable springs. If one spring fails, there is still enough tension to prevent the gate from slamming shut. In addition, the closing motion of the gate is in an arc, down-and-in, which helps push material into the charge chamber. The action of the gate is monitored by the PLC in the controls to stop baling operation if employees attempt baling with the gate left open or its safety switch disabled.
- J Shipping skids.** The chassis is standardly supplied with shipping skids so that it can be laid on its side without causing damage.
- K Platen guide system (not lettered).** The platen guides are faced with replaceable UHMW wear pads to provide platen travel with no metal-to-metal contact, and the ability to restore the baler to original factory specifications later in its life.



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