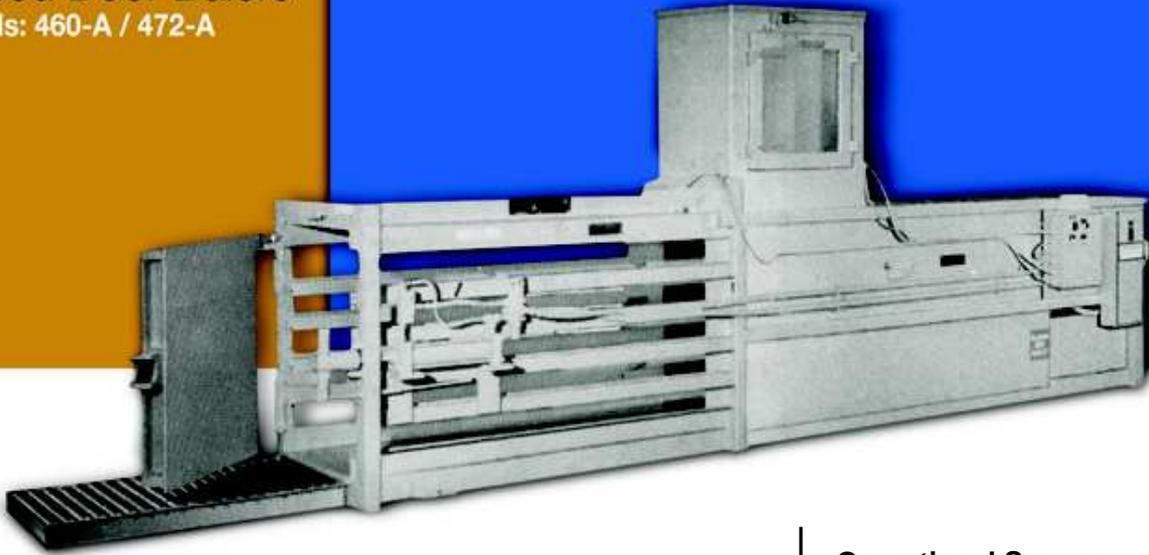


Balewel[®]
by **Balemaster**[®]

400 Series
Closed Door Balers
Models: 460-A / 472-A

- **Automatic Cycling**
- **Standard Size Feed Hopper**



APPLICATION

Models of this series are specifically designed for hard to bale materials like chipboard, boxboard, folding cartons, waxed or coated materials and copper or metal foils. These units provide the highest baling ram thrust of the Balewel line for paper wastes applications. Handling easier to bale materials like corrugated, paper and newsprint, etc., exceptionally dense bales are formed.

Automatic operation provides capacity up to 1.5 tons per hr. Ideal for operation requiring 3 to 10 "mill size" bales daily.

Feed chute measures 28" x 32". Height of chute is 36". Perfect for feed from gravity chute, mechanical or pneumatic conveyor. Bales range in weight from 900 to 1500 lbs. relating to type and condition of material. Bale size 30" x 36" x choice of 60" or 72" length depending on model.

Closed chamber-end door design makes unit suitable for "slick" coated board stock like poly and wax.

GENERAL INFORMATION

Units supplied factory tested with Open Drip Proof motor, motor starter and standard controls, operation oil, 125 wire bundle of ties, and wired for 208, 230, 460 or 575 volt, 3 phase, 60 hertz. Factory installed electrical equipment meets OSHA and National Electric code. Control circuit 115 volts. For operator safety all moving parts enclosed. Hydraulic safety check protects operator and baler during operation.

When ordering, always specify voltage, phase and hertz desired. Totally enclosed fan cooled (t.e.f.c.) or other type motors along with special electrics available at slight additional charge. Contact factory for delivery and price.

Bale ejection door opening and electrical control panel locations are provided as pictured unless otherwise ordered. Optional windowed feed chute door with control circuit interrupter is pictured.

See reverse side for available accessories.

Operational Sequence Automatic – Operates Unattended While Baling

The feed chute accepts and accumulates scrap from mechanical or air conveyor or other gravity fed system to the height of the cycling eye. This electric eye sensor activates automatic cycle and the hydraulic baling ram pushes the loose scrap into the sealed compression chamber forming an increment of bale length.

If feed hopper is empty, baling ram rests in storage position. The ram will continue to cycle as long as the sensor is blocked or until the pressure switch is activated indicating the preset pressure has been reached and a bale has been formed. The baling ram then advances to the "tie off" position and a bright light signals the operator for bale "tie off".

The operator then ties-off bale – opens the end ejection door – positions the bale length control arm in front of bale and resumes automatic baling by pushing reset button.

Baling continues until the bale ejection limit switch is activated, signaling the operator to remove the tied bale. After bale removal the bale length control arm is returned to its stored position and the operator closes the ejection door, pushes reset button and continues baling.

www.Balemaster.com

B Balemaster[®]
More than a source. A resource.

400 Series Closed Door Balers

Models: 460-A / 472-A – Automatic Cycling, Standard Size Feed Hopper

SPECIFICATIONS

www.Balemaster.com

	Model 460-A	Model 472-A
Completed Bale Size (inches) W., H., L.	30 x 36 x 60	30 x 36 x 72
Feed Chute Size (inches) W., H., L.*	28 x 32 x 36	28 x 32 x 36
Loading Chamber Volume (cu. ft.)	21	21
Number of Wire Tiers per Bale	5	5
Ram Thrust Total (lbs.)	70,650	70,650
Ram Thrust in lbs./sq. in. of Ram Face	69	69
Stroke Cycle (seconds)	29	29
Motor Horsepower	20	20
Balelocks	11	11
Approx. Gross Wt. (lbs.)	8300	8500

*Baling ram guides assure extended baling cylinder life accounting for 2" differential between feed chute and bale width.

Available Accessories

Disconnect Switch – Recommended – fused, mounted on baler.

Windowed Feed Chute Door with Control Circuit Interrupter – Recommended – as pictured.

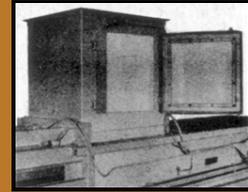
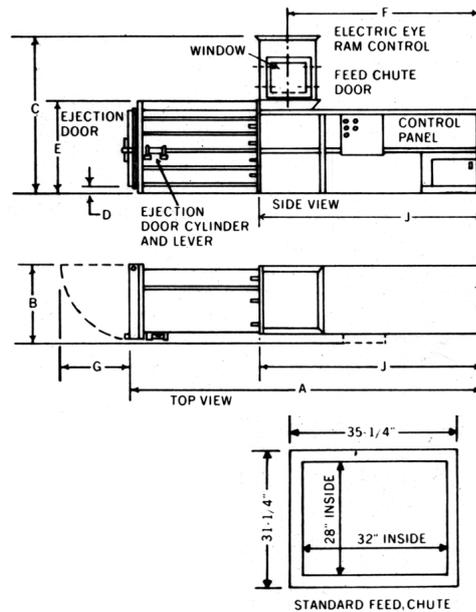
"Split" into Two Sections – All 400 Models can be supplied "split" – suitable for hard to reach work areas like sub-basements, narrow corridors and elevators. Unit is simply bolted together at installation site.

Weight Scale and Roller Conveyor System – Exact bale weight and simplified lift truck bale removal.

Regenerative Hydraulic Circuit – For up to 25% faster baling ram speed.

Dimensions

	460-A	472-A
A	15' 1.5"	16' 1.5"
B	3' 10"	3' 10"
C	6' 4.25"	6' 4.25"
D	4.25"	4.25"
E	3' 8.5"	3' 8.5"
F	8' 4"	8' 4"
G	3' 8"	3' 8"
J	9' 8"	9' 8"



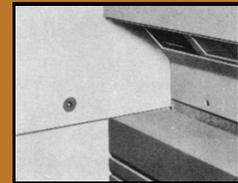
Large Feed Chute and Hopper

- Scrap accepted from mechanical or air conveyor or other delivery system.
- Electric eye automatically activates baling ram when materials reach correct level in chute.
- Electric eye is unaffected by sporadic noise or radio frequencies and vibrations.
- Optional Windowed Feed Chute Door with Control Circuit.
- Door gasket seal for dust control.



Design Features

- Heavy duty "I" beam side rails to withstand greater operating pressure and maximum bale density.
- Spring loaded balelocks extend across top and sides of baling chamber to retain materials after each stroke of baling ram – they stop springback and collapse of vertical face of bale making sure loading chamber is empty for next charge.
- Five pairs of wire tie slots machined into ram face provides slot for each wire to keep from tying two bales together.



Sealed Baling Chamber

- Feed chute is recessed into baling ram "hold-down" bar.
- Special ram wiper seals and sweeps top of ram on each stroke to limit dusting.

Balemaster[®]
More than a source. A resource.

980 Crown Court, Crown Point, IN 46307 219.663.4525
sales@balemaster.com www.balemaster.com