Revised 2/05/08
Spec. #630

SPECIFICATIONS
6042HE-10 SERIES
MANUAL-TIE HORIZONTAL SERIES

APPLICATION: Most Shredded or Non-shredded Recyclable Materials, Air or Conveyor Fed

GENERAL SPECIFICATIONS

Feed Opening:	59-1/2" x 40-1/2"
Charge Box:	42" x 42" x 71"
Charge Box Volume:	72.5 cu. ft.
Bale Chamber:	42" x 42" x 120"
Bale Size Expanded:	Approx. 43" x 43" x Var.

PRESSURE DATA

Normal Operating Pressure:	3,000 psi
Compressing Force	235,620 lbs.
Unit Face Pressure:	133.6 psi
Bale Density:	Up to 33#cf

PERFORMANCE DATA:

Model	H1020	H1030
Horsepower	20	30
Installation Dwg. (Consult Factory)	CF	CF
Installation Dwg. W/Fluffer	CF	CF
Gallons Per Minute	43.5	69
Cycle Time (in Seconds) **	37.8	25.7
Cycles Per Minute	1.6	2.3
Normal Displacement (cf/Hr) **	6,900	10,160
Production ***		
at 2#/cf (up to TPH)	2.8	4.1
at 3#/cf (up to TPH)	4.1	6.1
at 4.5#/cf (up to TPH)	6.2	9.1
Machine Weight (est.)	23,600	23,650

TECHNICAL DATA:

Compressing Cylinder:	10" I.D. Bore x 7" Rod x 76" Stroke	Oil Cooler:	Optional – Air-to-Oil
Maximum Cylinder Burst:	12,000# 4:1 Safety Factor	Oil Capacity:	200 Gal. – 20, 30 Horsepower
Type of Mount:	Trunnion Mount	Operator Interface:	AB PV300
Motor:	T.E.F.C. 460V/3 Ph/60 Hertz Across the line starting standard	Command Center:	Manual and automatic controls. PLC and Operator interface are user friendly, giving control over user selectable field values, along with text error messaging.
Hydraulic Control:	Hi-Low Pump. Regen on all Models. Logic controlled manifolds on all models.		
Dust Control:	Enhanced platen wiper system. Platen positioning is controlled on forward movement except during tie out cycle. Optional dust control air pickup at tier and rear of machine.	Filtration:	Combination of cleanable tank screens and magnets and 10 micron absolute filter. Clogged filter indicator warns of need to replace filter.
Tie Cycle Time:	Manual tie will limit production to 3-4 bales/hr.	No. of Ties:	5

CONSTRUCTION: Fabricated from heavy structural steel members, gusseted and braced as required. Fitted in jigs and fixtures for proper alignment. Abrasive resistant liner materials are used in wear areas.

LINERS: SHARP-5X replaceable floor plate made of 500 Brinell hardness materials. Platen bottom is made of abrasive resistant 320 Brinell hardness materials. All liners are replaceable.

OTHER FEATURES:

Bale Retainer Locks: Spring loaded - 4 each side of compressing chamber
Power Saver: When machine is inactive for a preset time, motors will shut off automatically and will only start again when material blocks infrared sensors. Motors run continuously on flared hoppers.
Shear Knife: Heavy duty serrated replaceable bolt-in

* Bale weights and tonnage results can be affected by variables, such as moisture content, shape, size, thickness and mass of the material to be baled.
** Normal displacement times include 1.5 seconds for valve shifting and 2 seconds for time delays to allow material to adequately disperse in baling chamber. In most applications a 2 second delay to allow material to adequately disperse in baling chamber will be required.
*** Tons per hour are based on operating efficiencies, including tying the bale, of 40% on all infeed densities.

American Baler, in an effort to keep the product "efficient and up to date", reserves the right to modify these specifications without notice or liability to previously sold machines.