Revised 3/17/00
Spec. #598

SPECIFICATIONS
7242H-9 SERIES
AUTO-TIE HORIZONTAL SERIES

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

GENERAL SPECIFICATIONS		PRESSURE DATA	
Feed Opening:	71-1/2" x 40-1/2"	Operating Pressure:	3,000 P.S.I
Charge Box:	42" x 42" x 83"	Compressing Force:	190,850 Lbs.
Charge Box Volume:	84.7 Cubic Feet	Unit Face Pressure:	116 P.S.I.
Bale Chamber:	42" x 42" x 120"	Tension Force:	772,500# - 404% of compressing force
Bale Size Expanded:	Approx. 43" x 43" x Var.	Shearing Force:	13,630#/lineal inch
Bale Weight: *		Up to 2,000#	

7242H-9 SERIES PERFORMANCE DATA:

Power Unit	H930R	H950	H960	H975	H9T25	H9T30
Horsepower	30	50	60	75	2 x 25 50 H.P. Total	2 x 30 60 H.P. Total
Installation Dwg. W/Fluffer	Y-4371 Y-4355	Y-4370 Y-4352	Y-4370 Y-4352	Y-4370 Y-4352	Y-4370 Y-4352	Y-4370 Y-4352
Gallons Per Minute	69	95.5	116	135.5	99	138
Cycle Time (in Seconds) **	23.4	17.9	15.3	13.6	17.4	13.4
Cycles Per Minute **	2.6	3.4	3.9	4.4	3.5	4.5
Normal Displacement (CR/Hr) **	13,050	17,080	19,910	22,390	17,580	22,700
Max. Displacement (CF/Hr) ***	13,720	18,300	21,850	24,900	18,800	25,410
Production **** at 2#/CF (Up to TPH)	7.1	9.3	10.9	12.3	9.6	12.4
at 3#/CF (Up to TPH)	9.7	12.8	14.9	16.7	13.1	17.0
at 5#/CF (Up to TPH)	11.4	14.9	17.4	19.5	15.3	19.8
Machine Weight	27,900#	29,700#	29,900#	29,900#	31,700#	31,700#

TECHNICAL DATA:

Compression Cylinder:	9" I.D. Bore x 6.5" Rod x 88" Stroke	Heat Transfer Unit:	Standard
Maximum Cylinder Burst:	12,000# 4:1 Safety Factor	Oil Capacity:	160 Gal. – 30 Horsepower 300 Gal. – 50, 60 and 75 Horsepower
Type of Mount:	Trunnion Type	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.
Tension Cylinder:	8" Bore x 8" Stroke	Operator Interface:	CTC Color Touschscreen "Pathfinder Plus"
Hydraulic Circuit:	Hi-Low Pump. Regen on all R models and 50 H.P. units or higher. Logic controlled manifolds on 50 H.P. and larger.	Auto-Tier:	AMBACO electro/hydraulic tier unit. Inserter heads pull wire through platen and twist on same side as inserter, ensuring that inserters are in the plunger for a minimum time. Tier assembly swings left or right and can be mounted on either side of baler. Number of twists is adjustable by operator interface.
Motor:	T.E.F.C. 460V/3 Ph/60 Hertz Across the line starting standard		
Filtration:	Combination of cleanable tank screens and Magnets and 10 Micron absolute filter. Clogged filter indicator warns of need to replace filter.	No. of Ties: Tie Cycle Time: Wire: Wire Feed System:	5 25 Seconds 12, 11, or 10 Ga. Black annealed 100# coil boxes standard

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:

Positive Material Stops: Spring loaded - 4 Each side of compressing chamber
Power Mizer: When machine is inactive or running at low production rates, one motor will shut off automatically and will start again as production requirements increase.

* 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 is calculated using 1.5 seconds for valve shift and a 2 second delay to allow material to adequately disperse into baling chamber.
*** Max. displacement is calculated using 1.5 seconds for valve shift and a .5 second delay to allow material to adequately disperse into baling chamber.

**** Tons per hour are based on operating efficiencies, including tying the bale, of 55% on 2#/CF material, 50% on 3#/CF material, 35% on 5#/CF material. High limit is shown with a .5 second delay, low limit is shown with a 2 second delay.

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.