



SPECIFICATIONS 8043HS SERIES AUTO-TIE HORIZONTAL BALER

Revised 3/09
Spec. #8043HS

APPLICATION: Secondary Fibers including Pre-packed or Pre-flattened OCC and Rebaling of Store Bales, Light Non-ferrous Metals, UBC & Siding, PET, HDPE, Other Plastics and Misc. Recyclables

GENERAL SPECIFICATIONS

PRESSURE DATA

			10"	12"
Feed Opening:	73" x 43"	Normal Operating Pressure:	3,000 psi	3,000 psi
Charge Box:	43" x 43" x 90"	Compressing Force:	235,620 lbs.	339,290 lbs.
Charge Box Volume:	96.3 cu. ft.	Unit Face Pressure:	127 psi	183.5 psi
Bale Chamber:	43" x 43" x 120"	Bale Density: *	Up to 34#/cf	Up to 36#/cf
Bale Size Expanded:	Approx. 44" x 44" x Var. to 72"			

PERFORMANCE DATA:

	10-100	10-150	12-100	12-150
Model				
Horsepower	(2) 50	(2) 75	(2) 50	(2) 75
Gallons Per Minute	191	271	191	271
Cycle Time (in Seconds) **	11.9	9.1	16.0	12.0
Cycles Per Minute	5.0	6.6	3.7	5.0
Normal Displacement (cf/Hr) **	29,135	38,000	21,620	28,800
Production *** at 3#/cf (up to TPH)	21.9	26.5	16.2	21.6
at 4.5#/cf (up to TPH)	29.5	38.5	21.9	29.2
at 6#/cf (up to TPH)	35.0	45.6	25.9	34.6
at 8#/cf (up to TPH)	40.8	53.2	30.3	40.3
Machine Weight	47,700#	47,800#	51,000#	51,950#

TECHNICAL DATA:

Compressing Cylinder:	10" I.D. Bore x 7" Rod x 95" Stroke 12" I.D. Bore x 8.5" Rod x 95" Stroke	Heat Transfer Unit:	Two Air-to-Oil Heat Exchangers – Std.
Maximum Cylinder Burst:	12,000# 4:1 Safety Factor	Oil Capacity:	400 Gal.
Type of Mount:	Trunnion Mount	Operator Interface:	CTC 8" Color Touchscreen – Std 10" Pathfinder Plus Touchscreen – w/Fluffers
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 with full regenerative circuit Logic controlled manifolds on all models	Auto-Tier:	AMBACO Electro/hydraulic tier unit. Inserter heads pull wire through platen and twist on same side as inserter. Tier assembly can be mounted on either side of baler and can swing left or right for maintenance. Number of wires is adjustable.
Filtration:	Combination of cleanable tank screens and magnets and 10 micron absolute filter. Clogged filter indicator warns of need to replace filter.	Wire:	1000# coil (12, 11 or 10 Ga. Black Annealed Std.)
Tie Cycle Time:	25 Seconds	No. of Ties:	5

CONSTRUCTION: Fabricated from unitized side sheet, incorporating the cylinder mounting plates and hopper wall, gusseted and braced as required. Fitted in jigs and fixtures for proper alignment. Abrasive resistant liner materials are used in wear areas. Tension links bushed with grease fittings.

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. On dual motors, motors will restart staggered to further reduce load.
 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 50% on 3#/CF material, 45% on 4.5#/CF material, 40% on 6#/CF material and 35% on 8#/CF material.

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.