



8043HS

AUTO-TIE HORIZONTAL BALER

TECHNICAL SPECIFICATIONS

Revised 3/2016
Spec. #8043HS

Secondary Fibers including ONP; compacted OCC; Pre-flattened OCC; OCC Store Bales;
Light Non-ferrous Metals; UBC & Siding; Vented PET & HDPE; Other Plastics; and Misc. Recyclables.

Meets all Current ANSI245.51 Safety Standards

KEY FEATURES

			10"	12"
Feed Opening:	73" x 43"	Main Cylinder:	10" Bore x 7" Rod x 95" Stroke	12" Bore x 8.5" Rod x 95" Stroke
Charge Box:	43" x 43" x 90"	Normal Operating Pressure:	3,000 psi	3,000 psi
Charge Box Volume:	96.3 cu. ft.	Compressing Force:	235,620 lbs.	339,290 lbs.
Nominal Bale Size:	Approx. 44" x 44" x Var. to 72"	Unit Face Pressure:	127 psi	183.5 psi

PERFORMANCE DATA

Model	10-T50	10-T75	12-T50	12-T75
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
Performance *** 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

GENERAL FEATURES

Main Cylinder Mount:	Trunnion	Oil Cooler:	Dual Air-to-Oil with fan
Maximum Cylinder Burst:	12,000# 4:1 Safety Factor	Oil Capacity:	400 Gallon
Motor:	T.E.F.C. 460V/3 Ph/60 Hertz Across line starting	Controls:	Manual and automatic controls.
Filtration:	Combination of cleanable tank screens, magnets and 10 micron absolute filter with clogged filter indicator.	Operator Interface:	Allen Bradley CompactLogix PLC & Panelview 8" touchscreen with error messaging
Hydraulic Control:	Hi-Low Pump Logic controlled manifold with Regen	Baling Wire:	Bulk stems of 12, 11 or 10 gauge black annealed baling wire.
Slick Material Tension:	Patented floating single cylinder tension system applies 200% of the main ram compression force to material in bale chamber.	Auto-tier:	Five wire swing-away electro/hydraulic tier unit. Tier assembly can be factory mounted on either side of baler and can swing left or right for maintenance. Number of twists is adjustable. Tie cycle time approximately 25 seconds.
Bale Retention Plate:	Replaceable plug-welded plate minimizes bale expansion and reduces tails.	Shear Blade:	Heavy duty shimmable, replaceable, bolt-in serrated blade
Liners:	Replaceable 500 Brinnell floor plate. Replaceable 320 Brinnell plunger bottom plate.	Bale Retainer Locks:	Four (4) spring loaded dogs mounted on each side of the bale chamber
Construction:	Fabricated from heavy structural steel members, gusseted and braced as required. Fitted in jigs and fixtures for proper alignment. Enhanced platen wiper.		
Power Saver:	When Power Saver mode is selected and machine is inactive for a preset time, motor(s) will shut off automatically and start again when material blocks infrared sensors. Dual motors will drop out one at a time and restart sequentially to reduce amp draw.		

* No-load cycle time represents the approximate time it takes for the plunger to cycle from the full retract position LS2 out to the full forward position LS1 & back to LS2 with empty charge box and bale chamber.

** 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.

*** 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. Bale weights and hourly production can be affected by variables including feed rate, moisture content; shape, size, thickness and mass of the material to be baled.

American Baler reserves the right to modify these specifications without notice or liability to previously sold machines.