Revised: 2/2017
Spec. #PAC4029-8

PAC 4029-8
AUTO-TIE HORIZONTAL BALER
TECHNICAL SPECIFICATIONS

Air and Conveyor-Fed Secondary Fibers, Shredded Waste Paper, Paper Trim & OCC

Meets all Current ANSI245.51 Safety Standards

KEY FEATURES

Feed Opening:	40" x 27-1/2"	Main Cylinder:	8" I.D. Bore x 5.5" Rod x 54" Stroke
Charge Box:	29" x 42" x 49"	Normal Operating Pressure:	2,500 psi
Charge Box Volume:	34.5 cu. ft.	Compressing Force:	125,664
Nominal Bale Size:	Approx. 30" x 43" x Var.	Unit Face Pressure:	108.3

PERFORMANCE DATA

Model	**830**	**850**	**875**	**8T30**
Horsepower	30	50	75	2x30
Regenerative Circuit	Yes	Yes	Yes	Yes
Gallons Per Minute	69	95.5	135.5	138
No-Load Cycle Time (in Seconds) *	12.5	10.5	7.8	7.7
Normal Displacement (cf/hr) **	9,960	12,630	15,885	16,065
Production ***				
at 1#/cf (up to TPH)	3.0	4.1	5.0	5.0
at 2#/cf (up to TPH)	5.1	6.0	7.5	7.6
at 3#/cf (up to TPH)	7.1	8.1	10.3	10.4
Approximate Machine Weight	19,800#	19,850	19,900	20,050#

GENERAL FEATURES

Main Cylinder Mount:	Trunnion	Oil Cooler:	Air-to-Oil with fan
Maximum Cylinder Burst:	12,000# 4:1 Safety Factor	Oil Capacity:	200 Gal. – 30 HP 300 Gal. – 50, T30, 75 HP
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 Plus 6 600 touchscreen with error messaging
Hydraulic Control:	Hi-Low Pump Logic controlled manifold with Regen	Baling Wire:	50# or 100# boxes of 12, 11 or 10 Ga. 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 23 seconds.
Bale Retention Plate:	Replaceable plug-welded plate minimizes bale expansion and reduces tails.		
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 will shut off automatically and start again when material blocks infrared sensors. Dual motors start sequentially.
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.

* 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.

*** Hourly production includes 1.5 seconds for valve shifting and 2 second for time delays to allow material to adequately disperse in baling chamber with every stroke. Tons per hour are based on operating efficiencies of 60% on 1#/CF material, 58% on 1.5#/CF material and 55% on 2#/CF material and include tie cycle. 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.