



SPECIFICATIONS DC 6343-8 SERIES AUTO-TIE HORIZONTAL BALER

Revised 12/6/07
Spec. #455

APPLICATION: Conveyor Fed/Air Conveyed, Shredded Secondary Fibers, Paper Trim, Cuttings, Set-up Boxes – Single Wall

GENERAL SPECIFICATIONS

PRESSURE DATA

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Feed Opening:</td> <td>63" x 41-1/2"</td> </tr> <tr> <td>Charge Box:</td> <td>43" x 42" x 72"</td> </tr> <tr> <td>Charge Box Volume:</td> <td>75.2 cu. ft.</td> </tr> <tr> <td>Bale Chamber:</td> <td>43" x 42" x 122"</td> </tr> <tr> <td>Bale Size Expanded:</td> <td>Approx. 44" x 43" x Var. to 72"</td> </tr> </table>	Feed Opening:	63" x 41-1/2"	Charge Box:	43" x 42" x 72"	Charge Box Volume:	75.2 cu. ft.	Bale Chamber:	43" x 42" x 122"	Bale Size Expanded:	Approx. 44" x 43" x Var. to 72"	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Normal Operating Pressure:</td> <td>3,000 psi</td> </tr> <tr> <td>Compressing Force:</td> <td>150,795 lbs.</td> </tr> <tr> <td>Unit Face Pressure:</td> <td>84.5 psi</td> </tr> <tr> <td>Bale Density: *</td> <td>Up to 29#/cf</td> </tr> </table>	Normal Operating Pressure:	3,000 psi	Compressing Force:	150,795 lbs.	Unit Face Pressure:	84.5 psi	Bale Density: *	Up to 29#/cf
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PERFORMANCE DATA:

Model	820	830	8T20	8T30
Horsepower	20	30	2x20	2x30
Installation Dwg. (Consult Factory)	CF	CF	CF	CF
Regenerative Circuit	Yes	Yes	Yes	Yes
Gallons Per Minute	43.5	69	87	138
Cycle Time (in Seconds) **	24.3	16.4	13.8	9.7
Cycles Per Minute	2.5	3.7	4.3	6.2
Normal Displacement (cf/Hr) **	11,135	16,475	19,825	27,860
Production ***				
at 1#/cf (up to TPH)	3.6	5.4	6.4	9.1
at 1.5#/cf (up to TPH)	5.0	7.4	8.9	12.5
at 2#/cf (up to TPH)	6.1	9.1	10.9	15.3
Machine Weight	23,100#	23,150#	23,150#	23,750#

TECHNICAL DATA:

Compressing Cylinder:	8" I.D. Bore x 5.5" Rod x 76" Stroke	Oil Cooler:	Std – Air-to-Oil
Maximum Cylinder Burst:	12,000# 4:1 Safety Factor	Oil Capacity:	200 Gal. – 20, 30 Horsepower 300 Gal. – 40, 60 Horsepower
Type of Mount:	Trunnion Mount	Operator Interface:	CTC 5" Color Touchscreen
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.		
Filtration:	Combination of cleanable tank screens and magnets and 10 micron absolute filter. Clogged filter indicator warns of need to replace filter.	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 twists is adjustable.
Tie Cycle Time:	25 Seconds	Wire:	100# coil boxes (12, 11 or 10 Ga. Black Annealed Std.)
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
- Bale Retention Plate: Replaceable plugwelded plate that minimizes bale expansion and reduces tails.
- 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.

* 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.

*** Maximum displacement times include 1.5 seconds for valve shifting and 1 second 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 60% on 1#/CF material and 58% on 1.5#/CF material and 55% on 2#/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.