DC6343-8

AUTO-TIE HORIZONTAL BALER

TECHNICAL SPECIFICATIONS

Set-up Boxes at: Distribution Centers, Warehouses, Box Plants and Document Destruction Facilities

Meets all Current ANSI 245.51 Safety Standards

KEY FEATURES

Feed Opening	63" L x 41-1/2" W	Main Cylinder	8" I.D. Bore x 5.5" Rod x 76" Stroke
Charge Box	68-1/4" L x 43" W x 42" H	Normal Operating Pressure	2,500 psi
Charge Box Volume	67.9 Cu. Ft.	Compressing Force	125,664 pounds
Nominal Bale Size	Approximately 44" x 43" x Variable up to 72"	Platen Face Pressure	73.1 psi

PERFORMANCE DATA

Model		**830**	**850**	**875**	**8T30**
Horsepower		30	50	75	2 x 30
Gallons per Minute		69.0	95.4	135.7	138.0
No-Load Cycle Time (in Seconds) [1]		16.6	12.8	9.9	9.8
Normal Displacement (cf/hr) [2]		14,733	19,106	24,703	24,955
Production [3]	1 #/cf (up to TPH)	4.4	5.7	7.4	7.5
	1.5 #/cf (up to TPH)	6.4	8.2	10.7	10.8
	2 #/cf (up to TPH)	8.1	10.5	13.6	13.7
Approximate Machine Weight (pounds)		23,150	23,200	23,250	23,750

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 Gallon - 30 Hp 300 Gallon - 50, 75, T30 Hp
Motor:	T.E.F.C. 460/3/60 Across the Line Starting	Controls:	Manual and Automatic Controls
Filtration:	Combination of magnets and 6-micron 200 beta-ratio filter with clogged filter indicator.	Operator Interface:	Allen Bradley CompactLogix PLC & EXOR eSMART 10" Touchscreen with Error Messaging.
Hydraulic Control:	High-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 the bale chamber.	Auto-Tier:	Swing-away, 5-wire auto-tier on poly-clad casters. Tier assembly can be factory mounted on either side of the baler and can swing to the left or right for maintenance. Number of twists is adjustable. Tie cycle time is approximately 25 seconds.
Clearance Baler:	No shear blade. Ripper bars to tear paper as plunger penetrates into 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 baler 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.
Liners:	Replaceable 500 Brinell floor plate Replaceable 320 Brinell plunger bottom plate	Bale Retainer Locks:	Four (4) spring-loaded dogs mounted on each side of the bale chamber.

[1] 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, and back to LS2 with an empty charge box and bale chamber.

[2] Normal displacement times include 3.5 seconds for valve shifting and decompression as time delays to allow the material to adequately disperse in baling chamber.

[3] Hourly production includes the delays above with every stroke. Tons per hour are based on operating efficiencies of 60% on 1#/CF material, 55% on 2#/CF material, 48% on 3#/CF material, 41% on 4#/CF material, 36% on 5#/CF material, and 31% on 6#/CF material and include the 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 being baled.