



NEXGEN AUTO-TIE BALER SPECIFICATIONS

TIEger SERIES

MODEL WS-150-72

Specification #WS150-72 Revision Date: 1/23/2009



Application - Most belt & air-conveyed recyclable materials weighing 6 pounds or less per cubic foot infeed density

Construction - Heavy-duty structural members properly jugged & fixtured to ensure proper alignment. CAD designed, reinforced and braced as required by engineering standards

GENERAL PERFORMANCE SPECIFICATIONS

Model		WS-150-72		
Horsepower		30	50	2x30
Total Flow, GPM		73	125	128
Average Dry Cycle Time in Sec.**		15.5	10.7	10.5
Cycles per Minute		3.9	5.6	5.7
Oil Capacity		150 Gal.	400 Gal.	300 Gal.
Displacement (CF/HR)		17,900	25,900	26,300
Tie Cycle Time		25 Seconds		
Infeed Density	Efficiency	TONS per Hour		
1 LB/CF	55%	4.9	7.1	7.2
2 LB/CF	47%	8.4	12.2	12.4
3 LB/CF	40%	10.7	15.5	15.8
4 LB/CF	33%	11.8	17.1	17.4

PRESSURE SPECIFICATIONS

Compressing Cylinder	8"Bore x 6" R x 86" S
Tension Cylinder	7 "Bore x 4" Rod x 6" Stroke
Normal Operating Pressure	3,000 PSI
Compressing Force	150,800
Ram Face Pressure (PSI)	145
Tension Force	630,900

DIMENSIONAL SPECIFICATIONS

Feed Opening	39" W x 72" L		
Charge Box Size	77" L x 42" W x 41" H		
Charge Box Volume	76.7 Cubic Feet		
Bale Size	42" x 42" x Variable		
Length	31'-8"		
Width	15'-6"		
Body Height	55"		
Top of Hopper	90"		
Estimated Weight (Including Power Unit)	31,000 #	32,000 #	32,600 #

BALE WEIGHT & DENSITIES

Bale Size - Approximately 42" High x 42" Wide x 72" Long - (73.5 cubic feet)

Maximum Weights & Densities*

OCC (old corrugated containers)	Up to 2000 # (27#/CUFT)
MOW (mixed office waste)	Up to 2000 # (27#/CUFT)
ONP - Fluffed	Up to 2000 # (27#/CUFT)

* Bale weights, densities and production ratings are based on the typical infeed densities indicated. Feed rates and densities may be affected by feed method, moisture content and material shapes.

Nexgen balers meet existing ANSI standards at the time of manufacture

** Cycle Times include 1-1/2 seconds on 30 HP & 2-1/2 seconds on 2x30 HP for decompression and valve shift.



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ELECTRICAL SPECIFICATIONS	
Main Motor	30 HP, 50 HP or 2x30 HP - TEFC
Main Voltage	460 Volt - 3 Phase - 60 Hertz
Starting Arrangement	Across the Line
Motor Control Center	UL Listed NEMA 4 Enclosure
Control Voltage	24 Volt DC - 120 VAC
Controls	PLC Controls with Bale Recipes and Diagnostics
Operator Interface	6.5" TFT Color Touchscreen
Disconnect	Lockable Circuit Breaker
HYDRAULIC SPECIFICATIONS	
Powerpack Type	Flooded Suction Type with High-Flow Hydraulic Manifold
Pump System - 3000 PSI	Hi-Lo Vane Pump (30 HP & 50 HP) & Piston Pump (2x30 HP)
Powerpack Location	30 HP - Piggy back at rear of Baler; 50 & 2x30 HP Floor-mounted
Air to Oil Cooler	1/2 HP Fan (30 HP); 1 HP Fan (2 x 30, & 50 HP)
Circulating Pump	3 HP (50 HP); Cooling from Tier Circuit (30 HP - 12 GPM: 2x30 HP - 24 GPM)
Filtration	10 Micron (50 HP); 6 Micron (30 & 2 X 30 HP)
Tier Flow	12 GPM
Cylinder mount	Cross-tube self adjusting mount
GENERAL FEATURES	
Automatic Wire Tier - Nexgen TIEger 5 tie Gear Type Wire Tier. Hydraulic drive inserter & twister with wire positioners and feed system. 100# spool feed standard. Swing away design. 10 or 11 Ga black annealed wire	
Adjustable gib bars (hold-downs) from outside the machine with replaceable Nylatron wear plates	
Replaceable AR 500 Floor Liners	
Spring Loaded Bale Retainers	
Infrared Actuators (1 set)	
Regenerative hydraulic circuit	
Automation Pkg w/Infeed Management System	
Flex-Ten Bale Tensioning System	
Ram shear blade is replaceable	
Body shear blade is serrated & replaceable	
Replaceable Nylatron Ram Seal Plates	
Hopper View Door	
3' Bale Table	
Baler Mounted operator center with PLC Controls and 6.5" Color Touchscreen Interface	
Paint - baked on - 12 standard colors	
AVAILABLE OPTIONS	
Additional 5' Bale Tables	
Hopper Monitoring System (High Definition Camera & Monitor)	
Material Stamper	
10" Color Enhanced Multi-language Touchscreen Interface	
Single & Dual Fluffers	
Machine Mounted Power Packs (30 Hp Standard)	
Conveyor Controls with VFD or Motor Starter	
Additional Photocell Actuators	
Oil Heater	
Electrostatic Control System	
Other voltages	
Control Panel Heaters & Coolers	
Wire Runout Sensor	
Remote Wire Stand 1000# Coils	
Bi-Level Remote Wire Stand for 1000# Coils	
Other hopper arrangements	
Modem	