



NEXGEN AUTO-TIE BALER SPECIFICATIONS

TIEger SERIES
MODEL NS-240-50



Specification #NS240-50 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		NS-240-50				
Horsepower		30	50	2x30	100	2x50
Total Flow, GPM		73	125	128	200	274
Average Dry Cycle Time in Sec.**		17.3	11.7	11.5	8.3	6.7
Cycles per Minute		3.5	5.1	5.2	7.2	9.0
Oil Capacity		150 Gal.	400 Gal.	300 Gal.	400 Gal.	600 Gal.
Displacement (CF/HR)		8,200	12,100	12,300	17,100	21,100
Tie Cycle Time		25 Seconds				
Infeed Density	Efficiency	TONS per Hour				
1.5 LB/CF	55%	3.4	5.0	5.1	7.1	8.7
3 LB/CF	47%	5.8	8.5	8.7	12.1	14.9
4.5 LB/CF	40%	7.4	10.9	11.1	15.4	19.0
6 LB/CF	33%	8.1	12.0	12.2	16.9	20.9

PRESSURE SPECIFICATIONS

Compressing Cylinder	10" Bore x 7" R x 64" S
Tension Cylinder	8 "Bore x 4-1/2" Rod x 6" Stroke
Normal Operating Pressure	3,000 PSI
Compressing Force	235,600 #
Ram Face Pressure (PSI)	202
Tension Force	987,500 #

DIMENSIONAL SPECIFICATIONS

Feed Opening	28" W x 50" L				
Charge Box Size	55" L x 30" W x 41" H				
Charge Box Volume	39.2 Cubic Feet				
Bale Size	30" x 42" x Variable				
Length	28'				
Width	13'-6"				
Body Height	52"				
Top of Hopper	90"				
Estimated Weight (Including Power Unit)	30,300 #	31,300 #	31,900 #	32,500 #	38,100#

BALE WEIGHT & DENSITIES

Bale Size - Approximately 42" High x 30" Wide x 72" Long - (52.5 cubic feet)

Maximum Weights & Densities*

OCC - Shredded or Die Cut Trim	Up to 1700 # (32#/CUFT)
MOW (mixed office waste)	Up to 1800 # (34#/CUFT)
ONP - Fluffed	Up to 1700 # (32#/CUFT)
UBC - Flattened	Up to 1000 # (20#/CUFT)
PET - Perforated	Up to 1150 # (22#/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, 2x30 HP, 100 HP or 2x50 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, & 100 Hp), Piston Pump (2x30 HP), & Piston-Vane Combination Pump (2x50 HP)
Powerpack Location	30 HP - Piggyback on Baler; 2x30, 50, 100 & 2x50 HP Floor-mounted
Air to Oil Cooler	1/2HP Fan (30 HP); 1HP Fan (2x30, 50, & 100 HP); 3HP (2x50 HP)
Circulating Pump	3 HP (50HP); 2 HP (100 HP); 20 HP (2x50 HP); Cooling from Tier Circuit (30 HP - 12 GPM: 2x30 HP - 24 GPM)
Filtration	10 Micron (50, 100, & 2x50 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)
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