



NEXGEN AUTO-TIE BALER SPECIFICATIONS

TIEger SERIES
MODEL WS-240-84



Specification #WS240-84 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-240-84 | | |
|----------------------------------|------------|---------------|----------|----------|
| Horsepower | | 100 | 2x50 | 2x75 |
| Total Flow, GPM | | 200 | 274 | 300 |
| Average Dry Cycle Time in Sec.** | | 11.7 | 9.2 | 8.7 |
| Cycles per Minute | | 5.1 | 6.5 | 6.9 |
| Oil Capacity | | 400 | 600 Gal. | 600 Gal. |
| Displacement (CF/HR) | | 27,300 | 34,800 | 36,800 |
| Tie Cycle Time | | 25 Seconds | | |
| Infeed Density | Efficiency | TONS per Hour | | |
| 1.5 LB/CF | 55% | 11.3 | 14.4 | 15.2 |
| 3 LB/CF | 45% | 18.4 | 23.5 | 24.8 |
| 4.5 LB/CF | 38% | 23.3 | 29.8 | 31.5 |
| 6 LB/CF | 32% | 26.2 | 33.4 | 35.3 |

PRESSURE SPECIFICATIONS

| | |
|---------------------------|----------------------------------|
| Compressing Cylinder | 10" Bore x 7" R x 98" 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) | 145 |
| Tension Force | 987,500 |

DIMENSIONAL SPECIFICATIONS

| | | | |
|---|-----------------------|----------|----------|
| Feed Opening | 39" W x 84" L | | |
| Charge Box Size | 89" L x 42" W x 41" H | | |
| Charge Box Volume | 88.7 Cubic Feet | | |
| Bale Size | 42" x 42" x Variable | | |
| Length | 33'-8" | | |
| Width | 15'-6" | | |
| Body Height | 55" | | |
| Top of Hopper | 90" | | |
| Estimated Weight (Including Power Unit) | 35,000 # | 40,600 # | 41,200 # |

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 2200 # (30#/CUFT) |
| MOW (mixed office waste) | Up to 2200 # (30#/CUFT) |
| PET - Perforated | Up to 1300 # (18#/CUFT) |
| ONP - Fluffed | Up to 2200 # (30#/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 | 100 HP, 2x50 HP or 2x75 HP - TEFC |
| Main Voltage | 460 Volt - 3 Phase - 60 Hertz |
| Starting Arrangement | Across the Line |
| Motor Control Center | UL Listed NEMA 12 Enclosure (2x50 & 2x75 HP); NEMA 4 (100) |
| 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 | 100 HP - Hi-Lo Vane Pumps; 2x50 HP & 2x75 HP - Low Pressure Vane Pump & High Pressure Piston Pump |
| Powerpack Location | Floor-mounted |
| Air to Oil Cooler | 1 HP Fan (100 HP); 3 HP Fan (2x50 HP & 2x75 HP) |
| Circulating Pump | 2 HP (100 HP); 2x50 HP & 2x75 HP - 20 HP with Tier Pump |
| Filtration | 10 Micron (100, 2x50 & 2x75 HP) |
| Tier Flow | 12 GPM |
| Cylinder mount | Cross-tube self adjusting mount |

GENERAL FEATURES

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|---|
| 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

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| 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 |