

# 2R-150N-57



## NEXGEN<sup>®</sup> GALAXY 2R<sup>®</sup> - TWO-RAM BALER SPECIFICATIONS

Revision Date: 1/15/2009

**Application** - Most medium density recyclable fibers, plastic and metal recyclables & low density MSW

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

### GENERAL PERFORMANCE SPECIFICATIONS

Charge Box Size		57"	
Horsepower		30	50
GPM		73	137
Average Dry Cycle Time in Sec.**		19.1	11.9
Cycles per Minute		3.1	5.0
Eject Cycle Time (4 ties)***		38 Sec.	28
Oil Capacity		150 Gal.	400 Gal.
Displacement (CF/HR)		7,500	11,900
Infeed Density	Efficiency	TONS per Hour	
1.5 LB/CF	55%	3.1	5.0
3 LB/CF	46%	5.2	8.2
4.5 LB/CF	38%	6.4	10.2

### PRESSURE SPECIFICATIONS

Compressing Cylinder	8" Diameter - 120" Stroke - 6" Rod
Eject Cylinder	7" Diameter - 68" Stroke - 5" Rod
Normal Operating Pressure	3,000 PSI
Full Penetration Stroke	5" From Compression Wall
Compressing Force (PSI)	150,800# - 75 Tons (125 PSI)
Ejector Force (PSI)	115,500# - 58 Tons (81 PSI)

### DIMENSIONAL SPECIFICATIONS

Feed Opening	40 3/4" W x 57" L	
Charge Box (Cube)	43" W x 57" L x 28" H (39.7 CF)	
Length	25'-10" (add 3'-6" f/ hyd clearance)	
Width	14'-11" (add 2' f/hyd clear; add 7' f/ bale table)	
Body Height	44"	
Top of Hopper	92"	
Weight (incl power unit, no oil)	30 HP - 35,500 #	50 HP - 37,500 #
Weight w/Stamper Option (incl p.u.)	30 HP - 39,300 #	50 HP - 41,500 #

### BALE WEIGHT & DENSITIES

**Bale Size - Approximately 30" High x 45" Wide x 64" Long - (50 cubic feet)**

**Maximum Weights & Densities\***

OCC	Up to 1,300# - (26#/CF)	UBC	Up to 800# - (16#/CF)
ONP	Up to 1,400# - (28#/CF)	PET	Up to 900# - (18#/CF)
Mixed Office Waste	Up to 1,400# - (28#/CF)	HDPE	Up to 950# - (19#/CF)

\* 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. Production will be less when using the NexDoor<sup>®</sup>. NEXGEN<sup>®</sup> balers meet existing ANSI standards at the time of manufacture.

\*\* Cycle times include 2-1/2 seconds for decompression and valve shift.

† Cycle time @ 1/2 penetration

\*\*\* Eject cycle times are with a plug bale and no bale door.

22 kW includes hydraulic oil. 37 kW does not include hydraulic oil.

# **GALAXY 2R-150N-57**

## **ELECTRICAL SPECIFICATIONS**

Main Motor	30 or 50 HP- TEFC
Main Voltage	460 Volt - 3 Phase - 60 Hertz
Starting Arrangement	Across the Line
Motor Control Center	UL Listed NEMA 12 Enclosure
Control Voltage	24 Volt DC - 120 VAC
Controls	PLC Controls with Bale Recipes and Diagnostics
Operator Interface	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 Pumps - 30HP; Piston & Vane Pumps - 50HP
Powerpack Location	Floor-mounted located on ejector side of compression cylinder
Air to Oil Cooler	1/2 HP Fan (30); 1 HP Fan (2x30)
Circulating Pump	15 HP(50 HP)
Filtration	6 Micron
Tier Flow	12 GPM
Cylinder mount	Cross-tube self adjusting mount

## **GENERAL FEATURES**

Automatic Wire Tier	Accent 470 or L & P Model 330 or 340 or equal
Adjustable gib bars (hold-downs) from outside the machine	
Infrared Actuators (2 sets); Ultrasonic (2 sets)	
Regenerative hydraulic circuit	
Automation Pkg w/Infeed Management System	
Long Range Laser Sensor & Positioning on Main Ram, Ejector Ram, & NexDoor	
Ram shear blade is replaceable and reversible	
Body shear blade is serrated & replaceable	
NexDoor System - serves as separation door, bale release, bale clamp & allows bale width variation	
Hopper View Door	
5' Bale Table	
Free-standing operator center with PLC Controls and Color Touchscreen Interface	
CAD documented replaceable abrasive resistant steel liners on the floor, and sides	
Paint - baked on - 12 standard colors	

## **AVAILABLE OPTIONS**

Operator Platform & Stairs
Hopper Monitoring System (High Definition Camera & Monitor)
Operators Cabin with A/C & Heat
Material Stamper
10" Color Enhanced Multi-language Touchscreen Interface
Solid Waste Package
Metals Package
Conveyor Controls with VFD or Motor Starter
Additional Photocell Actuators
Oil heater
Other wire tiers
Other voltages
Other hopper arrangements
Modem

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