



NEXGEN® GALAXY 2R®
TWO-RAM BALER SPECIFICATIONS
2R-190N-70 - FULL PENETRATION MODELS
 Specification #190N 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		70"	
Horsepower		50	2 x 30
GPM		137	128
Average Dry Cycle Time in Sec.**		16	16.9
Cycles per Minute		3.7	3.5
Eject Cycle Time (4 ties)***		33 Sec.	29 Sec.
Oil Capacity		400 Gal.	300 Gal.
Displacement (CF/HR)		11,100	10,600
Infeed Density	Efficiency	TONS per Hour	
1.5 LB/CF	55%	4.5	4.4
3 LB/CF	46%	7.6	7.3
4.5 LB/CF	38%	9.5	9.1

PRESSURE SPECIFICATIONS

Compressing Cylinder	9" Diameter - 133" 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)	190,850 - 95 Tons (159 PSI)
Ejector Force (PSI)	115,500# - 58 Tons (81 PSI)

DIMENSIONAL SPECIFICATIONS

Feed Opening	40 3/4" W x 70" L	
Charge Box (Cube)	43" W x 70" L x 28" H (49.6 CF)	
Length	28'-0" (add 3'-6" for 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)	50 HP - 39,200 #	2x30 HP - 40,600 #
Weight w/Stamper Option (incl p.u.)	50 HP - 42,000 #	2x30 HP - 43,400 #

BALE WEIGHT & DENSITIES

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

Maximum Weights & Densities*

OCC	Up to 1,350# - (27#/CF)	UBC	Up to 900# - (19#/CF)
ONP	Up to 1,450# - (29#/CF)	PET	Up to 1,000# - (20#/CF)
Mixed Office Waste	Up to 1,450# - (29#/CF)	HDPE	Up to 1,100# - (22#/CF)
Copper Wire	Up to 2,500# - (50#/CF)	Radiators	Up to 2,000# - (40#/CF)
Aluminum Siding or Sheet	Up to 1,700# - (35#/CF)	MSW	Up to 2,200# - (44#/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®**. **NEXGEN®** balers meet existing ANSI standards at the time of manufacture.

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

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

Power unit does not include hydraulic fluid.

**NEXGEN TWO-RAM BALER SPECIFICATIONS
GALAXY 2R-190N-70 MODELS**

ELECTRICAL SPECIFICATIONS

Main Motor	50 or 2x30 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	Piston & Vane Pumps (50) Piston Pump (2 X 30)
Powerpack Location	Floor-mounted located on ejector side of compression cylinder
Air to Oil Cooler	1 HP Fan
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, shimmable	
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