

# NEXGEN TWO RAM BALER SPECIFICATIONS

## TR-310W-84 SERIES

### Specification # 310-84-041019

**APPLICATION** - Most recyclable fibers and various non-ferrous metals under 1/4" thick and MSW with the optional metals or MSW packages

**CONSTRUCTION** - Heavy-duty structural members properly jugged & fixtured to ensure proper alignment. CAD designed & documented and reinforced & braced as required to meet rigid engineering standards.

#### GENERAL PERFORMANCE SPECIFICATIONS

Standard Penetration			Full Penetration				
2 x 30	100	2 x 50	Horsepower		2 x 30	100	2 x 50
138	200	274	GPM		138	200	274
20.1	15	11.6	Avg. Cycle Time (in secs)		20.5	15.9	12.3
17	15	15	Eject Cycle Time (5 ties)		17	15	15
320 Gal.	400 Gal.	500 Gal.	Oil Capacity		320 Gal.	400 Gal.	500 Gal.
14,500	19,500	25,200	Displacement (CF/HR)		14,300	18,400	23,800
TONS per HOUR			Density	Efficiency	TONS per HOUR		
6	8	11	1.5#/CF	60%	6	8	10
10	14	18	3#/CF	50%	10	13	17
13	18	23	4.5#/CF	42%	13	17	22
14	19	25	6#/CF	34%	14	18	24

#### PRESSURE SPECIFICATIONS

10" Diameter - 122" Stroke - 7" Rod	Compressing Cylinder	10" Diameter - 140" Stroke - 7" Rod
7" Diameter - 85" Stroke - 4" Rod	Eject Cylinder	7" Diameter - 85" Stroke - 4" Rod
23" from Compression Wall	Full Stroke	5" from Compression Wall
314,160# - 157 Tons (188 PSI)	Compressing Force (PSI)	314,160# - 157 Tons (188 PSI)
153,938# - 76.5 Tons (147 PSI)	Ejector Force (PSI)	153,938# - 76.5 Tons (147)

#### DIMENSIONAL SPECIFICATIONS

94" Long - 56" Wide	Feed Opening	94" Long - 56" Wide
84" x 60" x 28" - (81.5 CF)	Charge Box (Cube)	84" x 60" x 28" - (81.5 CF)
28' 3"	Baler Length	29' 9"
18' 2"	Baler Width	18' 2"
88"	Height (Top of Hopper)	88"
27 Tons 54,000#	Approx. Baler Weight	29 Tons 58,000#
29 Tons 58,000#	Approx. Baler Wt. w/NexDoor	31 Tons 62,000#

#### BALE WEIGHTS & DENSITIES \*

Bale Size - Approximately 30" High x 45" Wide x 64" Long - 50 Cubic Feet

1,400# - 28#/CF	Old Corrugated Container	1,600# - 32#/CF
1,500# - 30#/CF	Old News Paper	1,600# - 32#/CF
1,500# - 30#/CF	Mixed Office Waste	1,600# - 32#/CF
1,200# - 24#/CF	PET	1,350# - 27#/CF
900# - 18#/CF	Aluminum UBC	1,100# - 22#/CF
1,700# - 34#/CF	Steel Cans	1,800# - 36#/CF
2,100# - 42#/CF	MSW	2,250# - 45#/CF

\* Bale weights, densities and production ratings are based on the typical infeed densities indicated. Feed rates and densities may be affected by feed methods, moisture content and material shapes  
Production will be less when using the NexDoor.

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#### ELECTRICAL SPECIFICATIONS

Main Motor	2 x 30, 100 or 2 x 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
Programmable Controller	Allen Bradley Micrologix 1500 w/Diagnostics
Operator Interface	AB Panelview Color Touchscreen
Disconnect	Fused & Lockable

#### HYDRAULIC SPECIFICATIONS

Powerpack Type	Flooded Suction Type with High-Flow Hydraulic Manifold
Pump System - 4000 PSI	1 Piston & 2 Vane on 2 x 30 HP - 3 Vane on 100 & 2 x50 HP
Powerpack Location	Floor-mounted located on ejector side of compression cylinder
Air to Oil Cooler	2 x 30 & 100HP - 1 HP Fan / 2 x 50HP - 3 HP Fan
Circulating Pump	100 HP - 2 HP Circulating Pump / 2 x 50 HP - 10 HP Circulating Pump
Filtration	10 Micron
Tier Flow	12 GPM
Cylinder mount	Cross-tube self adjusting mount

#### GENERAL FEATURES

L & P Automatic Wire Tier	330 or 340 series
Adjustable gib bars (hold-downs) from outside the machine	
Shear Beam is adjustable from outside the machine (A-514 Steel) (S-7 Steel on Metals Package)	
Infrared Actuators (4 sets)	
Regenerative hydraulic circuit	
Automation Pkg w/Infeed Management System	
Long Range Laser Sensor & Positioning	
Ram shear blade is replaceable and reversible	
Body shear blade is serrated, angled & replaceable	
Tongue & groove charge chamber floor	
Operator Platform & 5' bale table	
Hopper View Door	
Free-standing operator center which houses the AB Micrologix 1500 PLC and color touch screen interface	
CAD documented replaceable abrasive resistant steel liners on the floor, sides and platens	
Paint - baked on - 12 standard colors	

#### AVAILABLE OPTIONS

NexDoor System - serves as separation door, bale release, bale clamp & allows bale width variation	
Material Stamper	
Enhanced Multi-language Operators Interface	
Metals & Solid Waste Packages	
Conveyor controls & starter	
Additional infrared actuators	
Oil heater	
Other wire tiers	
Other voltages	
Other hopper arrangements	
Modem	