Spec #W721
3/1/17

MODEL W721

Two Ram Baler

TECHNICAL SPECIFICATIONS

Newspaper, OCC, high grade paper, plastic film and containers, steel & aluminum cans, non-ferrous metals.

Meets all Current ANSI 245.51 Safety Standards

PRODUCTION	50	75	T50	T75
Power Pack	50HP	75 HP	Dual 50 HP	Dual 75 HP
Cycle Time (avg.)	50.5 sec	34.4 sec.	25.3 sec.	18.7 sec.
Cycles Per Hour	86	125	172	237
Maximum Volume Displacement (cf/hr)	7,415	10,745	14830	20,425
TONNAGE *				
1#/cf (Up to)	1.6 TPH	2.4 TPH	3.3 TPH	4.6 TPH
2#/cf (Up to)	4.6 TPH	4.8 TPH	6.7 TPH	9.2 TPH
3#/cf (Up to)	6.9 TPH	7.3 TPH	10.0 TPH	13.8 TPH
4#/cf (Up to)	9.2 TPH	9.7 TPH	13.3 TPH	18.4 TPH

Density & Weights *

OCC	Up to 28#/cu ft.	Up to 1,350#
MOW & ONP	Up to 34#/cu ft.	Up to 1,600#
PET	Up to 25#/cu ft.	Up to 1,150#
HDPE	Up to 26#/cu ft.	Up to 1,250#
UBC	Up to 21#/cu ft.	Up to 1,000#
Steel Cans	Up to 38#/cu ft.	Up to 1,800#
AL Siding	Up to 40#/cu ft.	Up to 1,875#
Radiators	Up to 64#/cu ft.	Up to 3,000#

* Performance rates, bale weights and bale densities are subject to moisture content, infeed densities, feed rates, machine efficiencies and other variables in baling. All Performance Data is based on full ram penetration with 1.5 sec. delay for valve shift.

Bale Specifications

Bale Size	30” H x 45” W x 60”
Bale Volume	46.8 Cubic Feet
Bale Weights	Up to 1,700 lbs. on fiber
Bale Density	Up to 35 # per cubic foot on fiber

CHARGE BOX SPECIFICATIONS		DIMENSIONS	
Charge Box Volume	86 Cubic Feet	Feed Opening Long Side (with Stamper)	87.6” x 58.5”
		Charge Box Opening Long Side (with Stamper)	79.0” x 58.5”
Approx. Machine Weight with Stamper*:		Length	26’ 4-1/4”
75	72,500#	Width including bale table	19’ 0”
T50	73,500#		
T75	76,500#	Height (Feed)	8’ 5-1/2”

*Note: Machine weights don’t include hydraulic oil or baling wire.

Model W721

Electrical

	75	T50	T75
Main Power	75 HP	2 x 50 HP	2 x 75 HP
Voltage	480V – 3 ph – 60 Hz		
Starting	Across the line 480/3/60 (Standard)		
Auxiliary-Pump	Main Motor	15 HP	15 HP
Cooling Fan	1/2 HP	3 HP	2 HP

Infrared Eyes ..... Two cycle eyes and one high level eye for conveyor control.

Controls ..... Programmable Logic enables automatic operation without an operator (for some materials) with customized baling modes for up to ten different grades including bale count, run time, and wire placement.

Power Saver ..... If machine is inactive for preset time, motor will be shut off and only starts again when material blocks photo sensors.

Compressing Statistics

Main Cylinder

Compressing Force ..... 169.6 tons or 339,290 pounds
Cylinder ..... 12” bore – 8.5” rod
Normal Operating Pressure ..... 3,000 PSI
Ram Face Pressure ..... 209 PSI
Stroke ..... 126” (penetrates to within 8” of back wall)

Eject Cylinder

Ejecting Force ..... 75.4 tons or 150,795 pounds
Cylinder ..... 8” bore – 5.5” rod
Normal Operating Pressure ..... 3,000 PSI
Ram Face Pressure ..... 138.4 PSI
Stroke ..... 77” (full eject)

Technical Data

	75	T50	T75
Motor(s)	Single 75 HP	Dual 50 HP	Dual 75 HP
Pumps	Hi-Lo fixed displacement vane		
Pump Flow (GPM)	135.5	191	271
Reservoir Oil Capacity [3]	500	800	800
Total Horsepower	75 ½ HP	118 HP	167 HP

[3] Additional oil will be required after operating cylinders to fill hoses and cylinder.

Cooling ..... Air-to-Oil with Fan

Versa-Door ..... Multi-function, horizontal, hydraulic door designed to separate bales to improve bale quality of some grades and minimize contamination; to hold plug bales in place during baling; and to increase discharge opening for ejecting over-sized bales. Versa-Door use will result in lower production.

Automatic Wire Tier ..... Accent 470 standard for 11ga or 12 ga galvanized wire.

Oil Type ..... ISO Grade 46

Filtration ..... 6 Micron

Model W721

Construction

Fabricated from heavy structural steel members, gusseted and braced as required. Fitted in jigs and fixtures for proper alignment. Enhanced platen wiper. Surface is painted with an industrial primer and 2 coats of industrial enamel.

Liners

Charge box floor liner strips alternate in thickness from ½" (Hardox 500) to 1" (HR) across the width of the charge box; main ram bottom liner strips alternate in thickness from ¼" (Hardox 500) and ¾" (Hardox 500) and correspond with baler floor; replaceable weld-on ¼" thick charge box side liners, and press box top and side liners (high abrasion resistant steel).

Shear Blade

Heavy duty, shimmable, replaceable, bolted-in serrated eight-stage single piece AR blade mounted on a 9º rake

Standard Features

Category 3 Compliance

Laser Ram Positioning

Left or Right Hand Eject available.

Floor mounted power unit: See baler layout drawings

NEMA 12 Electrical Enclosures: Equipped with both Main Control Cabinet and Operator Control Panel.

Machine is factory tested before shipment.

Adjustable plunger hold down bars.

Remote VPN Internet Access[4]: Allows for possible troubleshooting and program changes from our service department.

Bale table: Supports ejecting bales.

Conveyor Starters & Controls: Across the line starting standard.

Submersible Tank Heater: Maintains minimum oil temperature

Three (3) days for startup and training by American Baler factory technician (North America only).

Sale is subject to American Baler's "Terms & Conditions of Sale".

[4] Internet connection to the baler is the customer's responsibility.

Available Options

Vertical Stamper.....18.8 ton vertical hydraulic ram mounted above the shear blade and designed to automatically press material below and away from the blades.

Tool Steel shear blades.....Tool steel plunger blade (serrated) and beam blade (non-serrated) for non-ferrous metals, longer life, and less maintenance.

Reduced Voltage Starting.....Used to reduce electrical start-up amp draw

Variable speed conveyor controls .....Adjusts belt speed for different grades being baled to control feed rate and optimize production.

Plastic Strapper.....Utilizes plastic strapping instead of baling wire

Warranty

See American Baler Warranty Policy.