

Model 2R9/2R10



Automated Workhorse

EXCEL® couples interlocking construction and bolt in wear liners with the most advanced control system in the industry for an indestructible, automated 2RAM Baler. Fully automated operation eliminates the need for a full-time operator. Superior quality results in reduced down time, less repairs and dramatic labor savings.

2R SERIES BALERS

2-RAM Horizontal Waste and Recycling Balers

MARKETS

- Recyclers
- Scrap Yards
- Landfills
- Manufacturers

MATERIALS

- Office Paper
- Newspaper
- OCC
- Magazines
- PET
- HDPE
- Aluminum Cans
- Tin Cans
- Painted Aluminum Siding
- Insulated Wire
- Aluminum Extrusions
- Radiators
- Copper Wire
- MSW
- Other

Standard features:

- The 2R9 and 2R10 are manufactured standard with either left-hand or right-hand eject.
- Operator-free operation
- 50-horsepower TEFC motor, standard voltage— 460-volt, 60-hertz, three-phase (2- to 50-horsepower, 2R10)
- EXCEL Autonetics™ in with absolute ram position sensor with electronic display
- Automatic wire tier
- Industrial hardened logic controller
- Fully lined with Hardox 400 replaceable wear liners
- 300 -gallon hydraulic reservoir with regenerative circuit (600-gallon in the 2R10)
- One-year EXCEL limited warranty (parts and labor)
- Upper and lower photo eyes (sender/receiver upper photo eye with integrated conveyor control)
- NEMA 12-rated enclosures and controls with conveyor starter
- Installed and working modem for online diagnostics.
- Castle Key safety interlocking entry system
- Bale chamber penetration (2R9, 27 inches; 2R10, 24 inches)
- Automatic bale release door
- Automatic shear jam correction
- Bale discharge platform
- Sandblasted, primed and painted Excel Blue for long-lasting durability.
- Air-to-oil heat exchanger
- Integrated steel platen wiper
- UL-, CUL-approved (CE available)
- Bale counter
- Hardened, serrated, turn-able cutting knives.
- Hour meter
- 9-inch eject cylinder
- Separation door for solid waste and scrap applications (available option)
- Available with multiple conveyor options for a turnkey system

General Specifications

Overall dimensions and shipping weight may vary with options

	2R9	2R10
Structural		
OVERALL LENGTH	28'7" (8.75 meters) with stairs	33'10" (10.09 meters) with stairs
WIDTH	13'3" (4.05 meters)	13'5" (4.11 meters)
HEIGHT	8'8" (2.68 meters)	8'8" (2.68 meters)
FEED OPENING	40"W x 65"L (102cm x 165cm)	40"W x 90"L (102cm x 229cm)
CHAMBER FLOOR	3/4" thick plate plus 3/8" Hardox 400 liner	1" thick plate plus 3/8" Hardox 400 liner
CHAMBER SIDE WALLS	3/4" thick plate plus 3/8" Hardox 400 liner	3/4" thick plate plus 3/8" Hardox 400 liner
BALER SHIPPING WEIGHT	47,500 lbs. (21,545kg)	58,000 lbs. (26,308kg)
Performance Data		
MAIN CYLINDER	9" (22.9cm) Bore x 106" (269cm) stroke x 6" (15cm) Chrome Rod	10" (25.4cm) Bore x 130" (330cm) stroke x 7" (18cm) Chrome Rod
EJECT CYLINDER	9" (22.9cm) Bore x 6" (15cm) Chrome Rod	9" (22.9cm) Bore x 6" (15cm) Chrome Rod
OIL RESERVOIR	350 gallon	650 gallon
INDEPENDENT PUMP	100 GPM (379 liters)	200 GPM (758 liters)
MOTOR	50 HP TEFC 460V, 3 Phase	(2) 50 HP TEFC 460V, 3 Phase
HYD SYSTEM PRESSURE	3,000 PSI Automatic Mode (3,250 Maximum)	3,000 PSI Automatic Mode (3,250 Maximum)
OVERALL PLATEN FORCE	190,851 lbs./206,756 lbs. Maximum	235,619 lbs./255,254 lbs. Maximum
PLATEN PSI	162 PSI/175 PSI Maximum	200 PSI/216 PSI Maximum
CYCLE TIME	17 Seconds	16 Seconds
ESTIMATED BALE SIZE	60" (152cm) L x 45" (114cm) W x 30" (76cm) H 46.88 cu ft (adjustable)	60" (152cm) L x 45" (114cm) W x 30" (76cm) H 46.88 cu ft (adjustable)
ENCLOSURE	NEMA 12 Rated	NEMA 12 Rated
CONTROLS	CE/UL Approved NEMA 12 Rated	CE/UL Approved NEMA 12 Rated
Bale Weights*		
FOAM		
OCC	1,400 lbs. (680kg) 5-8 TPH	1,500 lbs. (680kg) 8-12 TPH
HDPE	1,250 lbs. (566kg) 3 TPH	1,250 lbs. (566kg) 3.5-7 TPH
PET	1,150 lbs. (521kg) 2 TPH	1,150 lbs. (521kg) 3-6 TPH
ALUMINUM CANS	750 lbs. (408kg) 3-5 TPH	900 lbs. (408kg) 4-8 TPH
TIN CANS	1,600 lbs. (816kg) 9-12 TPH	1,800 lbs. (816kg) 13-18 TPH
MAGAZINES	2,300 lbs. (1,087kg) 10-13 TPH	2,400 lbs. (1,087kg) 18-23 TPH
NEWSPAPER	1,600 lbs. (771kg) 10-13 TPH	1,700 lbs. (771kg) 14-19 TPH
MSW	2,000 lbs. (910kg) 10-17 TPH	2,200 lbs. (1,000kg) 17-28 TPH
	1,600 lbs. (771kg) 8.4 TPH	1,700 lbs. (771kg) 8.4 TPH
ALUMINUM EXTRUSION	1,000 lbs. (554kg) 2.7 TPH	1,200 lbs. (554kg) 2.7 TPH
PAINTED ALUMINUM SIDING	1,700 lbs. (907kg) 4.5 TPH	2,000 lbs. (907kg) 4.5 TPH
RADIATORS	1,500 lbs. (771kg) 4.7 TPH	1,700 lbs. (771kg) 4.7 TPH
INSULATED COPPER WIRE	3,300 lbs. (1,587kg) 10.5 TPH	3,500 lbs. (1,587kg) 10.5 TPH
MISC. NON-FERROUS SCRAP	1,300 lbs. (680kg) 5.1 TPH	1,500 lbs. (680kg) 5.1 TPH