# Model 2R9 & 2R10

EXCEL<sup>®</sup> couples interlocking construction with the most advanced control system in the industry for an indestructible, automated 2RAM Baler. EXCEL's<sup>®</sup> design for automated operation eliminates the need for a full-time operator. EXCEL's<sup>®</sup> superior

> quality means reduced down time, automatic operation and dramatic labor savings.

#### The EXCEL® Model 2R9/2R10 bales the following materials:

Office Paper, Newspaper, OCC, magazines, PET, HDPE, Aluminum Cans, Tin Cans, Painted Aluminum Siding, Insulated Wire, Aluminum Extrusions, Radiators, Copper Wire and Other Materials

#### **Standard Features Include**

- The 2R9/2R10 is manufactured standard with either left-hand or right-hand eject
- Operator-Free Operation

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- 50 HP TEFC Motor, Standard Voltage 460 Volt, 60 Hertz, 3 Phase (2-50 HP, 2R10)
- EXCEL<sup>®</sup> Autonetics<sup>™</sup> with Absolute Ram Position Sensor with Electronic Display
- U.S. Wire Tie Systems Automatic 342 Tier with Turbo Motor
- Industrial Hardened Logic Controller
- Fully Lined with Hardox<sup>®</sup> 400 Replaceable Wear Liners
- 300 Gallon Hydraulic Reservoir with Regenerative Circuit (600 gallon 2R10)
- One Year EXCEL<sup>®</sup> Limited Warranty US only
- Upper, Middle, 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 On-Line Diagnostics
- Castle Key Safety Interlocking Entry System
- Bale Chamber Penetration (2R9 27")(2R10 24")
- Automatic Bale Release Door
- Automatic Shear Jam Correction
- Bale Discharge Platform
- One Spool of 12 Gauge Ultra High Tensile Galvanized Wire
- 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, Turnable Cutting Knives
- Hour Meter
- 9" Eject Cylinder
- Separation Door for Solid Waste and Scrap Applications (Available Option)
- Available with EXCEL® integrated conveyors with rubber or steel belts for a turn-key system

# **GENERAL SPECIFICATIONS**

**2R9** 

# **2R10**

Overall dimensions and shipping weight may vary with options

### **STRUCTURAL**

OVERALL LENGTH (A)	28'7" (8.75 meters) w/stairs)	33'10" feet (10.09 meters) w/stairs
OVERALL WIDTH (B)	13'3" (4.05 meters)	13'5" (4.11 meters)
OVERALL HEIGHT (C)	8'8" (2.68 meters)	8'8" (2.68 meters)
FEED OPENING (D)	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 SIDEWALLS	3/4" Plate plus 3/8" Hardox 400 Liner	3/4" Plate plus 3/8" Hardox 400 Liner
SHIPPING WEIGHT	47,500 lbs (21,545kg)	58,000 lbs (26,308kg)
(APPROXIMATE)	(with bale separation door)	(with bale separation door)

## **PERFORMANCE DATA**

9"(22.9cm) bore x 106" (269cm) stroke	10"(25.4cm) bore x 130" (330cm) stroke
ි"(15.2cm) hardened chrome rod	7"(17.8cm) hardened chrome rod
9"(22.9cm) bore - 6"(15.2cm) chrome rod	9"(22.9cm) bore - 6"(15.2cm) chrome rod
300 gallons (1,137 liters)	600 gallons (2,273 liters)
100 GPM (379 liters)	200 GPM (758 liters)
50 HP TEFC 460V, 3 Phase	2-50 HP, TEFC, 460V, 3 Phase
3,000 PSI Automatic Mode (3,250 PSI Maximum)	3,000 PSI Automatic Mode (3,250 PSI Maximum)
190,851 lbs. / 206,756 lbs. Maximum	235,619 lbs. / 255,254 lbs. Maximum
154 PSI / 166 PSI Maximum	190 PSI / 205 PSI Maximum
20 seconds	16 seconds
60"L X 45"W X 30"H (152cm x 114cm x 76cm)	60"L x 45"W x 30"H (152cm x 114cm x 76cm)
46.88 cu.ft. (1.33m³)	46.88 cu.ft. (1.33 m <sup>3</sup> )
5 9 3 1 5 3 1 1 2 5	<ul> <li>"(15.2cm) hardened chrome rod</li> <li>"(22.9cm) bore - 6"(15.2cm) chrome rod</li> <li>00 gallons (1,137 liters)</li> <li>00 GPM (379 liters)</li> <li>0 HP TEFC 460V, 3 Phase</li> <li>,000 PSI Automatic Mode (3,250 PSI Maximum)</li> <li>90,851 lbs. / 206,756 lbs. Maximum</li> <li>54 PSI / 166 PSI Maximum</li> <li>0 seconds</li> <li>0"L X 45"W X 30"H (152cm x 114cm x 76cm)</li> </ul>

## **BALE WEIGHTS\***

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MAGAZINES NEWSPRINT HDPE PLASTICS PET PLASTICS SOLID WASTE ALUMINUM CANS **TIN CANS** ALUMINUM EXTRUSIONS PAINTED ALUMINUM SIDING RADIATORS INSULATED COPPER WIRE MISC. NON-FERROUS SCRAP 1,400 lbs (635kg) 8 TPH 2,400 lbs (1,088kg) 20 TPH 1,600 lbs (726kg) 15 TPH 1,300 lbs (589kg) 5 TPH 1,200 lbs (544kg) 6 TPH 2,000 lbs (907kg) 15 TPH 800 lbs (362kg) 6 TPH 2,000 lbs (907kg) 15 TPH 1,400 lbs (635kg) 6 TPH 2,000 lbs (907kg) 7.5 TPH 1,800 lbs (816kg) 8 TPH 3,500 lbs (1,587kg) 15 TPH 1,500 lbs (680kg) 6 TPH

1,500 lbs (680kg) 15 TPH 2,400 lbs (1,087kg) 25 TPH 1,700 lbs (771kg) 25 TPH 1,350 lbs (612kg) 8 TPH 1,325 lbs (601kg) 9 TPH 2,200 lbs (997kg) 25 TPH 1,000 lbs (453kg) 9 TPH 2,200 lbs (998kg) 20 TPH 1,500 lbs (680kg) 9 TPH 2,200 lbs (998kg) 11.5 TPH 2,000 lbs (907kg) 12 TPH 3,700 lbs (1,678kg) 22 TPH 1,700 lbs (771kg) 10 TPH

Note: To provide our customers with the best possible equipment, and offer the latest in product improvements, these specifications are subject to change responsibility to unites previously sold. without notice, and without incurring

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TOP VIEW

SIDE VIEW

Due to Equipment Upgrades \* Bale Weights are based on actual customer surveys, and may differ due to moisture content, material density, etc.

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Form 2 Revised Oct. 2008