

EXCEL
MANUFACTURING

Signature Series



Signature Series Models: • 150 • 200 • 300

EXCEL® takes durable construction and baling efficiencies to the next level. Vowing to never compromise on components or on quality in structure EXCEL® has revolutionized two ram baling with the Signature Series.

The EXCEL® Signature Series bales the following materials:

Office Paper, Newspaper, OCC, Magazines, PET, HDPE, Aluminum Cans, Tin Cans, Painted Aluminum Siding, Insulated Wire, Aluminum Extrusions, Radiators, Solid Waste

Standard Features Include

- Two (2) 75 HP TEFC Motors, (Signature 150) Standard Voltage - 460 Volt, 60 Hertz, 3 Phase (2-100 HP, Signature 200) (2-150 HP, Signature 300)
- 900 Gallon Hydraulic Reservoir with Regenerative Circuit (1500 Gallon with Signature 300)
- Air to Oil Heat Exchanger
- EXCEL® Autonetics™ with Absolute Ram Position Sensor with Electronic Display
- Dual Upper and Lower Photo Eyes
(sender/receiver upper photo eye with integrated conveyor controls)
- Industrial Hardened Logic Controller
- NEMA 12 rated Enclosures and Controls
- Installed and Working Modem for On-Line Diagnostics
- Safety Interlocking Entry System
- Bale Counter
- Hour Meter
- UL, CUL Approved (CE Available)
- U.S. Wire Systems Automatic 342 Tier with Turbo Motor
- One Spool of 12 Gauge Ultra High Tensile Galvanized Wire
- Hardox® 400 Replaceable Wear Liners
- 32" of True Bale Chamber Penetration, (Allowing 10" of Overcharge)
- Automatic Bale Release Door
- Automatic Shear Jam Correction
- Standard Separation Door for Solid Waste and Scrap Applications
- Integrated Steel Platen Wiper
- Sandblasted, Primed, and Painted Excel Blue for Long Lasting Durability
- Bale Discharge Platform with CE Rated Safety Enclosure
- One Year EXCEL® Limited Warranty (Parts & Labor)
- Available with EXCEL® integrated conveyors with rubber or steel belts for a turn-key system

**SIGNATURE
SERIES**

GENERAL SPECIFICATIONS

Signature 150 TWIN RAM SERIES

Signature 200 TWIN RAM SERIES

STRUCTURAL

Overall dimensions and shipping weight may vary with options

| | | |
|-------------------|---|---|
| LENGTH | 40' With Stairs & Platform | 40' With Stairs & Platform |
| WIDTH | 28' | 28' |
| HOPPER OPENING | 69" W x 100" L | 69" W x 100" L |
| FEED OPENING | 55" W x 100" L | 55" W x 100" L |
| CHAMBER FLOOR | 1 1/4 Thick Plate Plus 3/8 Hardox 400 Liner | 1 1/4 Thick Plate Plus 3/8 Hardox 400 Liner |
| CHAMBER SIDEWALLS | 1 1/4 Thick Plate Plus 3/8 Hardox 400 Liner | 1 1/4 Thick Plate Plus 3/8 Hardox 400 Liner |
| SHIPPING WEIGHT | 110,000 lbs. (49,895kg) | 110,000 lbs. (49,895kg) |

PERFORMANCE DATA

| | | |
|-------------------------------------|--|--|
| MAIN CYLINDER | High Force, High, Speed Design (27.9 cm x 419.1 cm x 20.3 cm) (11" Bore x 165" Stroke x 8" Chrome Rod) | High Force, High, Speed Design (27.9 cm x 419.1 cm x 20.3 cm) (11" Bore x 165" Stroke x 8" Chrome Rod) |
| EJECT CYLINDER | 9" (22.8 cm) Bore x 7" (17.8 cm) Rod | 9" (22.8 cm) Bore x 7" (17.8 cm) Rod |
| OIL RESERVOIR | 900 Gal. (3,410 liters) | 900 Gal. (3,410 liters) |
| INDEPENDENT PUMPS | 300 GPM (1,137 LPM) w/Separate Cooling Loop | 300 GPM (1,137 LPM) w/Separate Cooling Loop |
| MOTORS | 2-75HP (112KW) TEFC 460V 3 Phase | 2-100HP (149KW) TEFC 460V 3 Phase |
| SYSTEM PRESSURE | 4,250 PSI (293 bar) | 4,250 PSI (293 bar) |
| OVERALL PLATEN FORCE | 403,890 lbs. (183 tonnes) (Opt. 12" 480,664 lbs.) | 403,890 lbs. (183 tonnes) (Opt. 12" 480,664 lbs.) |
| PLATEN FACE PSI | 250PSI (17.24 bar) (Optional 12" 298PSI) | 250PSI (17.24 bar) (Optional 12" 298PSI) |
| CYCLE TIME | 15 Seconds (60Hz) | 15 Seconds (60Hz) |
| ESTIMATED BALE SIZE (ADJUSTABLE) | - 60"L x 42"W X 30"H - 60"L x 45"W x 30"H - 60"L x 48"W X 30"H | - 60"L x 42"W X 30"H - 60"L x 45"W x 30"H - 60"L x 48"W X 30"H |

BALE WEIGHTS *

| | | |
|-------------------------|------------------------------|------------------------------|
| OCC | 1,550 lbs. (703 kg) 20 TPH | 1,550 lbs. (703 kg) 28 TPH |
| MAGAZINES | 2,400 lbs. (1,087 kg) 44 TPH | 2,400 lbs. (1,087 kg) 53 TPH |
| NEWSPAPER | 1,700 lbs (771 kg) 34 TPH | 1,700 lbs (771 kg) 41 TPH |
| HDPE PLASTICS | 1,350 lbs. (612 kg) 11 TPH | 1,350 lbs. (612 kg) 12.5 TPH |
| PET PLASTICS | 1,350 lbs. (612 kg) 11 TPH | 1,350 lbs. (612 kg) 12.5 TPH |
| SOLID WASTE | 2,300 lbs. (1,043 kg) 39 TPH | 2,300 lbs. (1,043 kg) 46 TPH |
| ALUMINUM CANS | 1,000lbs. (453 kg) 14 TPH | 1,000lbs. (453 kg) 16 TPH |
| TIN CANS | 2,200 lbs. (998 kg) 26 TPH | 2,200 lbs. (998 kg) 33 TPH |
| ALUMINUM EXTRUSIONS | 1,500 lbs. (680 kg) 10 TPH | 1,500 lbs. (680 kg) 15 TPH |
| PAINTED ALUMINUM SIDING | 2,300 lbs. (1,043 kg) 15 TPH | 2,300 lbs. (1,043 kg) 20 TPH |
| RADIATORS | 2,000 lbs. (907 kg) 17 TPH | 2,000 lbs. (907 kg) 20 TPH |
| INSULATED COPPER WIRE | 3,700 lbs (1,678 kg) 28 TPH | 3,700 lbs (1,678 kg) 32 TPH |
| MISC. NON-FERROUS SCRAP | 1,700 lbs (771 kg) 14 TPH | 1,700 lbs (771 kg) 17 TPH |

FEATURES

| | |
|---|--|
| Optional 12" Cylinder | Absolute Ram Position Sensor (No Limit External Sensors) |
| Automatic Bale Release Door | Automatic Tie System |
| Bale Chamber Penetration, 14" From End Wall | Bale Discharge Platform |
| Conveyer Starter with Controls | Lower, Middle & Upper Photo Eyes |
| Replaceable Hardox Wear Liners | Complete Factory On-line Diagnostics |
| Alan Bradly Touch Screen | Automatic Oversized Bale Release |
| | Operatorless Design |

EXCEL Manufacturing, Inc.

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* Bale Weights are based on actual customer surveys, and may differ with moisture content, material density, etc.
* To provide our customers with the best possible equipment, and offer the latest in product improvements, these specifications are subject to change without notice, and without incurring responsibility to units previously sold.