

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 PSI	263PSI (18.13 bar) (Optional 12" 296 PSI)	263 PSI (18.13 bar) (Optional 12" 296 PSI)
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	2,200 lbs. (998 kg) 44 TPH	2,200 lbs. (998 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

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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.