



<b>12/9 Two-Ram Baler Models</b>	<b>100S-2-12/9</b>	<b>100S-4-12/9</b>	<b>150S-4-12/9</b>	<b>200T-12/9</b>
<b>Main Motor</b>	1- 100 HP (74.6 kw)	1- 100 HP (74.6 kw)	1- 150 HP (111.9 kw)	2- 100 HP (149.1 kw)
<b>Dry Cycle Time**</b>	24.6 sec	13.1 sec	12.8 sec	9.5 sec
<b>Est. Shipping Wt ton (tonnes)</b>	36 (32.6)	41 (37.2)	42 (38.1)	47 (42.6)

Material	Bale Weight LBS (Kgs)	Production Rates*			
		TPH (tonnes/hr)	TPH (tonnes/hr)	TPH (tonnes/hr)	TPH (tonnes/hr)
Bulk OCC	1200 - 1450 (544 - 658)	up to 16 (up to 14.5)	up to 21 (up to 19)	up to 24 (up to 21.7)	up to 31 (up to 28)
Solid Waste	1875 - 2500 (850 - 1134)	up to 36 (up to 32.6)	up to 46 (up to 41.7)	up to 53 (up to 48)	up to 70 (up to 63.5)
News (ONP)	1325 - 1650 (601 - 748)	up to 24 (up to 21.7)	up to 30 (up to 27)	up to 34 (up to 30.8)	up to 45 (up to 40.8)
Whole Al. Cans	975 - 1150 (442 - 522)	up to 12 (up to 10.8)	up to 16 (up to 14.5)	up to 18 (up to 16.3)	up to 25 (up to 22.6)
Steel Cans	1500 - 2100 (680 - 953)	up to 26 (up to 23.5)	up to 33 (up to 30)	up to 38 (up to 34.5)	up to 51 (up to 46.2)
Plastic	1175 - 1550 (533 - 703)	up to 10 (up to 9)	up to 15 (up to 13.6)	up to 16 (up to 14.5)	up to 23 (up to 20.8)
Non-Ferrous	1200 - 2300 (544 - 1043)	up to 18 (up to 16.3)	up to 26 (up to 23.5)	up to 29 (up to 26.3)	up to 40 (up to 36.3)

<b>13/9 Two-Ram Baler Models</b>	<b>100S-2-13/9</b>	<b>100S-4-13/9</b>	<b>150S-4-13/9</b>	<b>200T-13/9</b>
<b>Main Motor</b>	1- 100 HP (74.6 kw)	1- 100 HP (74.6 kw)	1- 150 HP (111.9 kw)	2- 100 HP (149.1 kw)
<b>Dry Cycle Time**</b>	28.3 sec	15 sec	14.7 sec	10.6 sec
<b>Est. Shipping Wt ton (tonnes)</b>	37 (33.6)	41 (37.2)	42 (38.1)	48 (43.5)

Material	Bale Weight LBS (Kgs)	Production Rates*			
		TPH (tonnes/hr)	TPH (tonnes/hr)	TPH (tonnes/hr)	TPH (tonnes/hr)
Bulk OCC	1250 - 1550 (567 - 703)	up to 13 (up to 11.8)	up to 18 (up to 16.3)	up to 20 (up to 18.1)	up to 27 (up to 24.5)
Solid Waste	1975 - 2600 (896 - 1179)	up to 31 (up to 28.1)	up to 41 (up to 37.2)	up to 47 (up to 42.6)	up to 67 (up to 60.8)
News (ONP)	1375 - 1750 (624 - 794)	up to 22 (up to 20)	up to 29 (up to 26.3)	up to 33 (up to 30)	up to 43 (up to 39)
Whole Al. Cans	1000 - 1200 (454 - 544)	up to 10 (up to 9)	up to 13 (up to 11.8)	up to 15 (up to 13.6)	up to 21 (up to 19)
Steel Cans	1550 - 2250 (703 - 1021)	up to 24 (up to 21.8)	up to 38 (up to 34.5)	up to 37 (up to 33.6)	up to 50 (up to 45.5)
Plastic	1250 - 1625 (567 - 737)	up to 9 (up to 8.2)	up to 14 (up to 12.7)	up to 15 (up to 13.6)	up to 22 (up to 20)
Non-Ferrous	1300 - 2400 (590 - 1089)	up to 17 (up to 15.4)	up to 24 (up to 21.8)	up to 27 (up to 24.5)	up to 37 (up to 33.6)

\* Performance rates, production rates, weights and densities are subject to material input densities, feed rates and other variables of production outside the control of HWMG, Inc.  
 \*\* Full extend to full retract

Specifications subject to change without notice.

Sales and Service By:

**Harris**  
 www.HarrisWaste.com  
 200 Clover Reach Drive • Peachtree City, GA 30269

Harris Waste Management Group



OCC Bale Shown

**Processes:**

- Newspaper (ONP)
- Cardboard (OCC)
- High Grade Paper
- Solid Waste (MSW)
- Plastics (PET, HDPE, Film)
- Cans (Steel/Aluminum)
- White Goods
- Non-Ferrous Metals



**Two-Ram Balers From Harris**

**Harris**  
 www.HarrisWaste.com

(800) 373-9131

(770) 631-7290

(770) 631-7299 fax



## Standard Features

3500 PSI (241 bar) system operating pressure

### SmartKnife™ & Skyjacker™

Shimless platen hold-down adjustment

High Quality Abrasion Resistant material replaceable liners including tongue and groove floor liners

Multi-Material controller with: Phone modem  
OIT  
Diagnostics  
English/Spanish display

Heavy-duty main and eject cylinders incorporate **Harris'** designed heavy wall cylinder tubes, flame hardened cylinder rods and TFE piston seals

Full automatic operation on majority of materials

Structurally sound uni-body frame construction

Interchangeable choice (by customer) of serrated or flat shear knife

Penetrating main ram, 60% penetration into the bale chamber

Plug bale compatible

Flooded suction power unit

7 micron kidney loop filtration

Auto tier available in 11 or 12 gauge high tensile wire

WYE Delta main motor starting

3 phase, 60 hz, 480 V electrical

Harris standard warranty

## Options

### Combo Door™

Hopper extension up to 96" (2438mm) high

Bale discharge table

Elevated operator's platform

Climate controlled operator's cab

Feed conveyors

CE rating

Alternative power unit locations

Other languages, electrical voltages, & options on request

M06004

Revised 8/06

## General Specifications

Overall Dimensions	236"W x 96"H x 430"L (5994mm x 2438mm x 10922mm)
Bale Chamber	62"W x 29"H x 40"D (1575mm x 736mm x 1016mm)
Charge Box	60"W x 28"H x 159" L (1524mm x 711mm x 4038mm)
Charge Box Opening	58.5"W x 101" L (1486mm x 2564mm)
Hopper Opening	86"W x 98"- 109.75"L (2184mm x 2489 - 2787mm)
Bale Size Expanded (may vary with material)	31"H x 45"W x 63"L (787mm x 1143mm x 1600mm)
System Pressure	3500 PSI (241 bars)

The Harris Gorilla® provides dense bales and high throughput for a variety of materials. Designed for easy operation and simple maintenance, the Gorilla® features the patented Skyjacker™ and Smartknife™ systems and optional Combo Door™.



Plastics Bale



Non-Ferrous Metals Bale

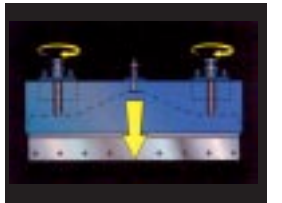
## Skyjacker™ System

The Harris Skyjacker™ System allows for the replacement of the baler floor liners and main ram platen shoes without requiring the removal of the main platen or disassembly of the baler. The easily accessible jackbolt assembly enables quick (less manhours) relining of the platen wear shoes and baler floor liners.



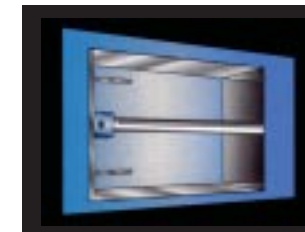
## SmartKnife™ System

The Harris Smartknife™ System allows for quick adjustment of the baler's fixed cutting blade without using the time-consuming shimming method. Instead, the SmartKnife™ incorporates strategically placed bolts that are easily adjustable. This standard feature encourages the operator to maintain correct gap tolerance for smooth shearing which extends the life of the equipment.

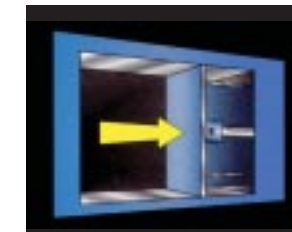


## Combo Door™

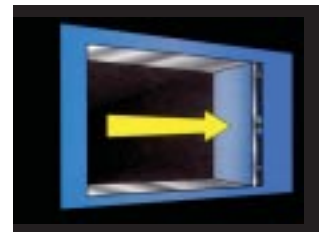
The Harris unique patented Combo Door™ option combines the bale separation and bale release in one door. When fully extended, the Combo Door™ is closed for clean bale separation. This separation feature ensures high bale weights, densities, uniform bale lengths, and easy grade changeovers. For normal bale release, the door opens to its "home" position. During oversize bale operation it enlarges the bale door opening by an additional 7 in. (178mm) for the easy ejection of oversize bales. This simple, yet innovative mechanism, significantly reduces bale jamming.



Combo Door™ closed  
(fully extended for bale separation)



Combo Door™ open  
(normal bale ejection)



Combo Door™ retracted  
(fully retracted for release of oversize bale)



## Control Panel:

Harris incorporates state-of-the-art controls including an OIT\* display that incorporates various user friendly screens. These provide continuous operating information and built-in diagnostic system with phone modem.

\*Operator Interface Terminal

