

**BALEMASTER “E” SERIES CONTINUOUS HORIZONTAL BALING PRESSES
GENERAL MACHINE SPECIFICATIONS**

Group 6 (4400 Series) – Standard Feed Chute					
Specification:	E-410	E-710	E-980	E-1310	E-1760
Bale Size (Width X Height) (Fully Adjustable Length)	30” X 40”				
Hydraulic Unit Power	30 HP (Regen)	50 HP (Regen)	75 HP (Regen)	100 HP (Regen)	150 HP (Regen)
Standard Feed Chute Opening (Width X Length)	27” X 32”				
Empty – Ram Stroke Cycle Time	16.6 sec	11.4 sec	8.4 sec	6.3 sec	5.1 sec
Empty – Ram Strokes per Minute	3.6	5.3	7.1	9.5	11.8
Ram Cylinder Diameter	10”				
Charge Chamber Volume	27.1 ft³				
Total Ram Thrust @ Relief Pressure (3,000 psi)	235,600 lbs. = 117.8 tons				
Compaction @ Relief Pressure (3,000 psi)	211.5 lbs. per in² (@ Ram Face)				
Compaction @ Relief Pressure (3,000 psi)	15.2 Tons per ft² (@ Ram Face)				
Hydraulic Tank Capacity	150 gallons	350 gallons		400 gallons	
Automatic Bale Density Control Configuration	6 – 6” Cylinders				
Auto-Ty Configuration	5 Wires				
Approx. Gross Weight (Includes Auto-Ty, Oil)	22,150 lbs.	23,900 lbs.	24,250 lbs.	24,900 lbs.	25,500 lbs.
Standard with All Models:					
Fully Automatic Features:	Baling Ram Cycle	Pump Start/Stop (Energy Saver)	Bale Tying Length (1” Increments)	Full Width Spring Loaded Bale Locks	
Dust Control Features:	Fully Enclosed Ram Chamber	Ram Chamber Seal Only Broken During Tie Cycle	Ram Wiper	Filtered Hydraulic Tank Breather	
Installation/Maintenance Features:	Prewired Control Circuit – 115 V	Replaceable Ram Liners/Rollers	Dual Vane Pump (High Pressure/ High Volume)	Filtered Pump Suction Intake	

FACTORY INSTALLED ELECTRICAL EQUIPMENT MEETS OSHA AND NATIONAL ELECTRICAL CODES

***NUMBERS ARE ROUNDED/APPROXIMATED**

BALEMASTER PERFORMANCE SPECIFICATIONS: MAXIMUM RATED CAPACITY SCHEDULE
GROUP 6 – 4400 SERIES

The maximum rated capacity for each baler model relates directly with the loose bulk density of the materials within the baler charging chamber. The loose bulk density is averaged in pounds per cubic foot within the entirety of the charging chamber, with material being discharged via an air conveyance feed system.

<u>Newsprint</u>	<u>Magazine</u>	<u>Corrugated</u>	<u>ChipBoard</u>	<u>FiberBoard/BoxBoard</u>
1.2 lbs./ft ³	1.5 lbs./ft ³	2.5 lbs./ft ³	2.0 lbs./ft ³	3.0 lbs./ft ³

When selecting a particular baler model for a capacity requirement, the baler should have 25% to 40% greater rated capacity than the actual pounds or bales per hour requirement to allow for all contingencies in feeding to the baler. The actual output of the baler is directly related to a consistent, even, high rate of feed providing a “Head” of material in the feed chute.

Bale weight and density information listed is approximate and relates to the amount of moisture in the paper stock, hydraulic force applied, and piece size/configuration. Adding a zero to the model number of each baler provides the number of cubic feet per hour the ram travels through the charging chamber without material (Example: E-660 provides 6600 cubic feet per hour dry capacity).

Type of Material	Bale Weight (lbs.)	Bale Density (lbs./ft ³)	Capacity Rating	GROUP 6 (STANDARD FEED CHUTE) MODELS				
				E-410	E-710	E-980	E-1310	E-1760
Newsprint	1,500 – 1,750	30 – 35	<i>Bales/Hour lbs./Hour</i>	2.6 4,200	3.7 6,000	5.0 8,100	6.6 10,600	8.0 13,000
Magazine	1,650 – 1,900	33 – 38	<i>Bales/Hour lbs./Hour</i>	2.9 5,200	4.2 7,500	5.7 10,000	7.5 13,200	9.1 16,100
Corrugated	1,300 – 1,600	26 – 32	<i>Bales/Hour lbs./Hour</i>	5.9 8,500	8.4 12,100	11.2 16,100	14.5 20,900	17.5 25,200
ChipBoard	1,500 – 1,650	30 – 33	<i>Bales/Hour lbs./Hour</i>	4.4 6,800	6.3 9,800	8.4 13,100	10.9 17,200	13.3 20,800
FiberBoard/ BoxBoard	1,500 – 1,700	30 – 34	<i>Bales/Hour lbs./Hour</i>	6.3 10,100	9.1 14,400	12.0 19,200	15.6 24,900	18.8 29,900

* Weights and Capacity Ratings Based on 72” Bale Length

** Calculated with Auto-Ty Cycle Duration of 25 Seconds

*** Assumes Feed Efficiency Losses of 40%