BALEMASTER "E" SERIES CONTINUOUS HORIZONTAL BALING PRESSES
GENERAL MACHINE SPECIFICATIONS

Group 2 (4000 Series) – Oversize Feed Chute				
Specification:	**E-430**	**E-810**	**E-850**	**E-1110**
Bale Size (Width X Height) (Fully Adjustable Length)	30" X 36"			
Hydraulic Unit Power	25 HP (w/ Regen)	30 HP (w/ Regen)	50 HP (w/ Regen)	75 HP (w/ Regen)
Oversize Feed Chute Opening (Width X Length)	27" X 40"			
Empty – Ram Stroke Cycle Time	17.5 sec	13.6 sec	9.0 sec	6.7 sec
Empty – Ram Strokes per Minute	3.4	4.4	6.7	9.0
Ram Cylinder Diameter	8"			
Charge Chamber Volume	28.1 ft^3			
Total Ram Thrust @ Relief Pressure (3,000 psi)	150,800 lbs. = 75.4 tons			
Compaction @ Relief Pressure (3,000 psi)	155.1 lbs. per in^2 (@ Ram Face)			
Compaction @ Relief Pressure (3,000 psi)	11.2 tons per ft^2 (@ Ram Face)			
Hydraulic Tank Capacity	150 gallons		350 gallons	
Automatic Bale Density Control Configuration	Quad 6" Cylinders			
Auto-Ty Configuration	5 Wire Ties			
Approx. Gross Weight (Includes Auto-Ty, Oil)	17,550 lbs.	17,650 lbs.	19,350 lbs.	19,450 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 2 – 4000 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.

Newsprint	Magazine	Corrugated	ChipBoard	FiberBoard/BoxBoard
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 2 (OVERSIZE FEED CHUTE) MODELS			
				E-430	E-810	E-850	E-1110
Newsprint	1,310 – 1,530	29 – 34	*Bales/Hour* *lbs./Hour*	2.9 4,100	3.7 5,200	5.5 7,800	7.3 10,300
Magazine	1,440 – 1,670	32 – 37	*Bales/Hour* *lbs./Hour*	3.3 5,100	4.2 6,500	6.3 9,700	8.3 12,800
Corrugated	1,170 – 1,400	26 – 31	*Bales/Hour* *lbs./Hour*	6.5 8,300	8.3 10,500	12.1 15,400	15.8 20,200
ChipBoard	1,310 – 1,490	29 – 33	*Bales/Hour* *lbs./Hour*	4.8 6,700	6.1 8,500	9.1 12,600	12.0 16,600
FiberBoard/ BoxBoard	1,310 – 1,530	29 – 34	*Bales/Hour* *lbs./Hour*	7.0 9,900	8.9 12,600	13.1 18,400	17.0 24,000

** Weights and Capacity Ratings Based on 72" Bale Length*
*** Calculated with Auto-Ty Cycle Duration of 25 Seconds*
**** Assumes Feed Efficiency Losses of 40%*