

**BALEMASTER DIVISION - GENERAL MACHINE SPECIFICATIONS - GROUP 7****"EO" SERIES OVERSIZE HOPPER CONTINUOUS HORIZONTAL BALING PRESSES - BALE SIZE 48"W X 40" H****BALER APPLICATION GUIDE**

The following guide should be used for correct application of a specific model baler with a particular type of classification of paper stock: The primary difference between balers of Group 7 and Group 8 is the main baling cylinder diameter. Group 7 utilizes a 10" cylinder and Group 8 a 12" cylinder. As such, Group 7 balers are recommended for whole upright corrugated box application where capacity is more important than bale density (25 to 32 lbs. per cubic ft.)

<b><u>GENERAL SPECIFICATION DESCRIPTION</u></b>	<b>GROUP 7 - 10"</b>				
	<b>EO-601</b>	<b>EO-961</b>	<b>EO-1321</b>	<b>EO-1781</b>	<b>EO-2491</b>
Bale Frame Size - width x height x adjustable length (inches).....	48 x 40	48 x 40	48 x 40	48 x 40	48 x 40
Motor Horsepower.....	25	50	75	100	150
Feed Chute Cross Section Dimension - width/length (inches).....	45-1/2 x 75	45-1/2 x 75	45-1/2 x 75	45-1/2 x 75	45-1/2 x 75
Charging Chamber (cubic feet).....	85	85	85	85	85
<b><u>Baling Ram Stroke Cycle Empty With Allowance For Delays:</u></b>					
Strokes Per Minute.....	N/A	1.9	2.6	3.5	4.9
Seconds per Stroke.....	N/A	32	23	17	12.1
Cubic ft/hour.....	N/A	9,610	13,210	17,810	24,910
<b><u>Enhanced Hydraulics - Optional</u></b>					
Strokes per minute.....	1.3	3	4.2	5.8	7.9
Seconds per stroke.....	43	20	14.2	10.3	7.6
Cubic Ft./Hour.....	6,010	17,000	23,734	32,587	44,337
Hydraulic Cylinder Diameter - (inches).....	10	10	10	10	10
<b><u>Baling Ram Thrust</u></b>					
2000 PSI - normal operating pressure - total lbs .....	157,100	127,100	157,100	157,100	157,100
2000 PSI - normal operating pressure - total tons.....	78.5	78.5	78.5	78.5	78.5
2000 PSI - normal operating pressure - lbs. sq. inch of ram face.....	81.8	81.8	81.8	81.8	81.8
2000 PSI - normal operating pressure - tons/sq. foot of ram face.....	5.9	5.9	5.9	5.9	5.9
2500 PSI - maximum operating pressure - total lbs.....	196,400	196,400	196,400	196,400	196,400
2500 PSI - maximum operating pressure - total tons.....	98.2	98.2	98.2	98.2	98.2
2500 PSI - maximum operating pressure - lbs. sq. inch of ram face.....	102	102	102	102	102
2500 PSI - maximum operating pressure - tons/sq. feet of ram face.....	7.3	7.3	7.3	7.3	7.3
<b><u>Enhanced Hydraulics</u></b>					
3000 PSI - Maximum operating pressure - total pounds.....	235,680	235,680	235,680	235,680	235,680
3000 PSI - Maximum operating pressure - total tons.....	117.8	117.8	117.8	117.8	117.8
3000 PSI - Maximum pressure - lbs/square inch of ram face.....	122.4	122.4	122.4	122.4	122.4
3000 PSI - Maximum pressure - tons/square foot of ram face.....	8.7	8.7	8.7	8.7	8.7
Number of Bale Ties.....	5	5	5	5	5
Oil reservoir volume (gallons).....	150	350	350	400	400
Pumping System - low pressure/high pressure.....	Vane/Vane	Vane/Vane	Vane/Vane	Vane/Vane	Vane/Vane
Bale Density Control - fully automatic - hydraulic Cylinders.....	6 - 6"	6 - 6"	6 - 6"	6 - 6"	6 - 6"
Gross Weight (includes Auto-Ty).....	32,300	33,800	34,600	37,200	40,300
Manifold Mounted Hydraulic Valves.....	<b>STANDARD WITH ALL UNITS</b>				
Oil Filter - suction line.....					
Automatic Baling Ram Cycle.....					
Automatic Bale Length Control - Adjustable 1" increments.....					
Automatic Balelocks - full width - spring loaded.....					
Electrical Control Circuit - prewired - 115 volt.....					
Dust Control:					
Fully Enclosed Ram Cycling Chamber.....					
Ram Wiper.....					
Dual Limit Switches - Cycling Chamber Seal broken only during tie-off.....					
Ram Liners - Steel on Steel.....					

**FACTORY INSTALLED ELECTRICAL EQUIPMENT MEETS OSHA AND NATIONAL ELECTRICAL CODES. NOTE: ALL NUMBERS ARE ROUNDED OFF AND/OR APPROXIMATED.**

## CAPACITY CHART - GROUP 7

MODEL	EO-601	EO-961	EO-1321	EO-1781	EO-2491
<b><u>Standard Hydraulics</u></b>					
Volume cu.ft/hr. - no load.....	N/A	10,000	14,400	19,994	27,617
cu.ft/hr. - load.....	N/A	7,700	10,800	14,996	20,712
Allowing for slow down of hydraulics) 25% of travel assumed					
Under load OCC @ 2 lbs./cu.ft. loading density up to short tons/hr*.....	N/A	7.7	10.8	15	20.7
@ 65% operating (assumed) efficiency up to tons*.....	N/A	6	7	9.7	13.5
<b><u>Enhanced Hydraulics</u></b>					
Volume cu. Ft./hr. - no load.....	6,010	17,100	23,735	32,587	44,337
Cu. Ft./hr. - load.....	3,900	12,800	17,801	24,441	33,253
(Allowing for slow down of hydraulics) 35% of travel of assumed					
under load OCC @ 2 lbs./Cu. Ft. loading density up to short					
tons/hr*.....	3.9	12.8	17.8	24.4	33.3
@ 65% operating (assumed) efficiency up to tons*.....	2.5	8.3	11.6	15.9	21.6

### **Bale Densities**

OCC (Old Corrugated Containers) up to **32 lbs./cu. ft.**

### **Typical Bale Weights**

OCC 60" long **66.7** cu. ft. bale weights **2,001** lbs.

OCC 72" long **80** cu. ft. Bale weights **2,400** lbs.

Numbers are rounded off and/or approximate.

**SPECIFICATIONS SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE AND/OR RESPONSIBILITY TO PREVIOUS UNITS SOLD**

### **BALER APPLICATION GUIDE**

\*Capacity and bale density will be affected by material size, type, moisture, feed conveyor and Fluffer (recommended) if used. Capacity will also be affected by frequency of grade changes, feed chute length, and cylinder size. Also, bale density will vary with cylinder size, wire size, and strength. Actual capacity will vary with feed chute weight of material after allowing for tie off and efficiency of hydraulics. Feed chute density tends to decrease with smaller cross-section feed chutes. When marrying Fluffer and Baler together, you have a loss of capacity because of inter-equipment losses, distance between belt and Fluffer, Fluffer and Baler. Machines rated capacity should be about two to three times capacity wanted on the dock. Capacity based on 60 Hertz electrical; 50 Hertz machines will be slower.

75% efficiency hydraulic speed factor usually with standard hydraulics.

65% efficiency hydraulic speed factor usually with enhanced hydraulics