BALEMASTER DIVISION - GENERAL MACHINE SPECIFICATIONS - GROUP 8
"EO" SERIES OVERSIZE HOPPER CONTINUOUS HORIZONTAL BALING PRESSES - BALE SIZE 48"W x 40"H

	GROUP 8 - MODEL NUMBERS				
GENERAL SPECIFICATION DESCRIPTION	**EO-690**	**EO-970**	**EO-1340**	**EO-1850**	**EO-2450**
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……	50	75	100	150	225
Feed Chute Cross Section Dimension - width/length (inches)……..	45-1/2x75	45-1/2x75	45-1/2x75	45-1/2x75	45-1/2x75
Charging Chamber Volume (cubic feet)……..	85	85	85	85	85
Baling Ram Stroke Cycle Empty With Allowance For Delays:					
Strokes Per Minute……..	1.4	1.9	2.6	3.6	4.8
Seconds per Stroke……	44	31.5	22.7	16.5	12.5
Cubic ft/hour……	6,900	9,700	13,400	18,500	24,500
Enhanced Hydraulics - Optional					
Strokes per minute……	2.2	3.0	4.2	5.7	8.2
Seconds per stroke……	28	20.0	14.4	10.5	7.3
Cubic Ft./Hour……	12,000	16,846	23,321	21,083	45,932
Hydraulic Cylinder Diameter - (inches)……..	12	12	12	12	12
Baling Ram Thrust					
2000 PSI - normal operating pressure - total lbs ……	226,200	226,200	226,200	226,200	226,200
2000 PSI - normal operating pressure - total tons……..	113	113	113	113	113
2000 PSI - normal operating pressure - lbs. sq. inch of ram face……	124	124	124	124	124
2000 PSI - normal operating pressure - tons/sq. foot of ram face……..	8.9	8.9	8.9	8.9	8.9
2500 PSI - maximum operating pressure - total lbs……..	282,750	282,750	282,750	282,750	282,750
2500 PSI - maximum operating pressure - total tons……	141.4	141.4	141.4	141.4	141.4
2500 PSI - maximum operating pressure - lbs. sq. inch of ram face……..	155	155	155	155	155
2500 PSI - maximum operating pressure - tons/sq. feet of ram face……..	11.2	11.2	11.2	11.2	11.2
Enhanced Hydraulics					
3000 PSI - Maximum operating pressure - total pounds……	339,300	339,300	339,300	339,300	339,300
3000 PSI - Maximum operating pressure - total tons……..	169.7	169.7	169.7	169.7	169.7
3000 PSI - Maximum pressure - lbs/square inch of ram face……..	186	186	186	186	186
3000 PSI - Maximum pressure - tons/square foot of ram face……	13.4	13.4	13.4	13.4	13.4
Number of Bale Ties……	5	5	5	5	5
Oil reservoir volume (gallons)……	350	350	400	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……..	9-6"	9-6"	9-6"	9-6"	9-6"
Gross Weight (includes Auto-Ty)……	45,800	46,600	49,200	53,400	59,500
Manifold Mounted Hydraulic Valves……..	**STANDARD WITH ALL UNITS**				
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……					

460 VOLTAGE, 3 PHASE & 60 HERTZ ARE STANDARD. OTHER VOLTAGES ARE AVAILABLE, USUALLY AT EXTRA COST.

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

CAPACITY CHART - GROUP 8

MODEL	EO-690	EO-970	EO-1340	EO-1850	EO-2450
Standard Hydraulics					
Volume cu.ft/hr. - no load……	7,300	10,356	14,450	20,093	29,265
cu.ft/hr. - load……	5,500	7,767	10,837	15,070	21,949
(Allowing for slow down of hydraulics) 25% of travel assumed					
Under load OCC @ 2 lbs./cu.ft. loading density up to short tons/hr*……	5.5	7.8	10.8	15.1	21.9
@ 65% operating (assumed) efficiency up to tons*……	3.6	5	7	9.8	14.3
Enhanced Hydraulics					
Volume cu. Ft./hr. - no load……	12,000	16,846	23,321	32,084	45,932
Cu. Ft./hr. - load……	9,000	12,634	17,491	24,063	34,449
(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*……	9	12.6	17.5	24.1	34.4
@ 65% operating (assumed) efficiency up to tons*……	5.9	8.2	11.4	15.6	22.4

Bale Densities

OCC (Old Corrugated Containers) up to __ lbs./cu. ft.
Old news up to __ lbs. /cu. Ft.
High Grades up to __ lbs./cu.ft.

Typical Bale Weights

OCC **72**" long **80** cu. ft. bale weights _____ lbs.
OCC **60"** long **66.7** cu. ft. bale weights _____ lbs.

News **72**" long **80** cu. Ft. bale weights _____ lbs.
News **60**" long **66.7** cu. Ft. bale weights _____ lbs.

High-grades **72**" long **80** cu. Ft. bale weights _____ lbs.
High-grades **60**" long **66.7** cu. Ft. bale weights _____ 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