

**BALEMASTER DIVISION - GENERAL MACHINE SPECIFICATIONS - GROUP 21**  
**"EO" SERIES OVERSIZE HOPPER 60" LONG CONTINUOUS HORIZONTAL BALING PRESSES - BALE SIZE 43"W x 43"H**

GROUP 21 - 10" MODEL NUMBERS					
GENERAL SPECIFICATION DESCRIPTION	EO-1044	EO-1635	EO-2273	EO-3134	EO-4316
Bale Frame Size - Width x Height x adjustable length (inches).....	42 x 42	42 x 42	42 x 42	42 x 42	42 x 42
Motor Horsepower.....	30	50	75	100	150
Feed Chute Cross Section Dimension - width/length (inches).....	39-1/2 x 60	39-1/2 x 60	39-1/2 x 60	39-1/2 x 60	39-1/2 x 60
Charging Chamber Volume (cubic feet).....	73.5	73.5	73.5	73.5	73.5
<b><u>Baling Ram Stroke Cycle Empty With Allowance For Delays:</u></b>					
<b><u>Enhanced Hydraulics - Optional</u></b>					
Strokes per minute.....	2.2	3.6	5	7	9.5
Seconds per stroke.....	26	16.5	12	8.5	6.5
Cubic Ft./Hour.....	10,447	16,350	22,733	31,345	43,163
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	157,100	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.....	89	89	89	89	89
2000 PSI - normal operating pressure - tons/sq. foot of ram face.....	6.4	6.4	6.4	6.4	6.4
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.....	111	111	111	111	111
2500 PSI - maximum operating pressure - tons/sq. feet of ram face.....	8	8	8	8	8
<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.....	133.6	133.6	133.6	133.6	133.6
3000 PSI - Maximum pressure - tons/square foot of ram face.....	9.6	9.6	9.6	9.6	9.6
Number of Bale Ties.....	6	6	6	6	6
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 - approximate - (includes Auto-Ty).....	31,200	32,700	33,500	36,100	39,200
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.....					
<b>460 VOLTAGE, 3 PHASE &amp; 60 HERTZ ARE STANDARD. OTHER VOLTAGES ARE AVAILABLE, USUALLY AT EXTRA COST.</b>					
<b>FACTORY INSTALLED ELECTRICAL EQUIPMENT MEETS OSHA AND NATIONAL</b>					
<b>ELECTRICAL CODES. NOTE: ALL NUMBERS ARE ROUNDED OFF AND/OR</b>					
<b>APPROXIMATED.</b>					

## CAPACITY CHART - GROUP 21

MODEL	EO-1044	EO-1635	EO-2273	EO-3134	EO-4316
<b><u>Enhanced Hydraulics</u></b>					
Volume cu.ft/hr. - no load.....	10,447	16,350	22,733	31,345	43,163
cu.ft/hr. - load.....	7,835	12,262	17,050	23,508	32,372
(Allowing for slow down of hydraulics) 25% of travel assumed					
Under load OCC @ 2 lbs./cu.ft. loading density up to short tons/hr*.....	7.8	12.2	17	23.5	32.3
@ 65% operating (assumed) efficiency up to tons*.....	5	7.9	11	15.2	21
 <b><u>Bale Densities</u></b>					
OCC (Old Corrugated Containers) up to <b>28</b> lbs./cu. ft.					
Old news up to <b>30</b> lbs. /cu. ft.					
High Grades up to <b>35</b> lbs./cu.ft.					
 <b><u>Typical Bale Weights</u></b>					
OCC 60" long <b>61.25</b> cu. ft. bale weights <b>1,715</b> lbs.					
OCC 72" long <b>73.5</b> cu. ft. bale weights <b>2,058</b> lbs.					
 News 60" long <b>61.25</b> cu.ft. bale weights <b>1,837</b> lbs.					
News 72" long <b>73.5</b> cu.ft. bale weights <b>2,200</b> lbs.					
 Highgrades 60" long <b>61.25</b> cu. ft. bale weights <b>2,143</b> lbs.					
Highgrades 72" long <b>73.5</b> cu.ft. bale weights <b>2,570</b> 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