

BALEMASTER DIVISION - GENERAL MACHINE SPECIFICATIONS - GROUP 16

"EO" SERIES OVERSIZE HOPPER 75" LONG CONTINUOUS HORIZONTAL BALING PRESSES - BALE SIZE 44" w X 30"H
GENERAL MACHINE SPECIFICATION - GROUP 16 - CYLINDER 10" DIAMETER - 60" HOPPER

	GROUP 16 MODEL - NUMBERS				
GENERAL SPECIFICATION DESCRIPTION	EO-460	EO-600	EO-720	EO-1000	EO-1386
Bale Frame Size - Width x Height x adjustable length (inches).....	44 x 30	44 x 30	44 x 30	44 x 30	
Motor Horse Power.....	30	30	50	75	
Feed Chute Cross Section Dimension - width/length (inches).....	41-1/2 x 60	41-1/2 x 60	41-1/2 x 60	41-1/2 x 60	
Charging Chamber (cubic feet).....	50.4	50.4	50.4	50.4	
<u>Baling Ram Stroke Cycle empty with Allowance for Delays:</u>					
Strokes per minute.....	1.4	N/A	2.2	3.1	
Seconds per stroke.....	42	N/A	27	20	
Cubic ft./hour.....	4,600	N/A	7,200	10,000	
<u>Enhanced Hydraulics - Optional</u>					
Strokes per minute.....	N/A	2.4	3.6	5.1	
Seconds per stroke.....	N/A	25.2	16.4	11.9	
Cubic Ft./Hour.....	N/A	6,000	12,000	16,571	
Hydraulic Cylinder Diameter - (inches).....	10	10	10	10	
<u>Baling Ram Thrust</u>					
2000 PSI - normal operating pressure - total lbs	157,100	157,100	157,100	157,100	
2000 PSI - normal operating pressure - total tons.....	78.5	78.5	78.5	78.5	
2000 PSI - normal operating pressure - lbs. sq. inch of ram face.....	119	119	119	119	
2000 PSI - normal operating pressure - tons/sq. foot of ram face.....	8.5	8.5	8.5	8.5	
2500 PSI - Maximum operating pressure - total pounds.....	196,400	196,400	196,400	196,400	
2500 PSI - Maximum operating pressure - total tons.....	98.2	98.2	98.2	98.2	
2500 PSI - Maximum pressure - lbs/square inch of ram face.....	149	149	149	149	
2500 PSI - Maximum pressure - tons/square foot of ram face.....	10.7	10.7	10.7	10.7	
<u>Enhanced Hydraulics</u>					
3000 PSI - Maximum operating pressure - total pounds.....	235,500	235,500	235,500	235,500	
Number of Bale Ties.....	4	4	4	4	
Oil reservoir volume (gallons).....	150	150	350	350	
Pumping System - low pressure/high pressure.....	Vane/Vane	Vane/Vane	Vane/Vane	Vane/Vane	
Bale Density Control - fully automatic - hydraulic cylinders	3 - 6"	3 - 6"	3 - 6"	3 - 6"	
Gross Weight - approximate - (includes Auto-Ty).....	28,200	28,500	30,200	31,800	
	STANDARD WITH ALL UNITS				
Manifold Mounted Hydraulic Valves.....					
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 16

MODEL	EO-460	EO-600	EO-720	EO-1000	EO-1386
<u>Standard Hydraulics</u>					
Volume cu.ft/hr. - no load.....	4,600	N/A	7,250	10,113	
cu.ft/hr. - load.....	3,450	N/A	5,440	7,584	
(Allowing for slow down of hydraulics) 25% of travel assumed)					
Under load OCC @ 2 lbs./cu.ft. loading density up to short tons/hr*.....	3.4	N/A	5.4	7.6	
@ 65% operating (assumed) efficiency up to tons*.....	2.2	N/A	3.5	4.9	
<u>Enhanced Hydraulics</u>					
Volume Cu. Ft./hr. - no load.....	N/A	6,000	12,000	16,572	
Cu. Ft./hr. - load.....	N/A	3,900	9,000	12,429	
(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*.....	N/A	3.9	9	12.4	
@ 65% operating (assumed) efficiency up to tons*.....	N/A	2.5	5.9	8.1	

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 55 cu. ft. bale weights ____ lbs.

OCC 60" long 45.8 cu. ft. bale weights ____ lbs.

News 72" long 55 cu.ft. bale weights ____ lbs.

News 60" long 45.8 cu.ft. bale weights ____ lbs.

Highgrades 72" long 55 cu. ft. bale weights ____ lbs.

Highgrades 60" long 45.8 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

*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