

J.V. MANUFACTURING, INC.

DX-84 SPECIFICATIONS

07/25/02

GENERAL EQUIPMENT SPECIFICATIONS

Dimensions:	Depth 57"
	Width 98"
	Height 187" (top of cylinder)
Feed door opening	48"H x 84"W
Compaction force (normal)	113,100
Compaction force (max)	124,400
Ram face dimension	84"W x 48"D
Ram face pressure (normal)	28.1 psi
Ram face pressure (max)	30.9 psi
Cycle time	50 sec
Weight	11,500

Baler meets or exceeds ANSI Z245.5 safety standards.

Baler uses readily available, nationally and internationally distributed components.

Baler is assembled from at least 95% American made components.

BALE SPECIFICATIONS

Bale size	47"D x 48"H x 84"L
Bale volume	112 cubic feet
Bale weights (approx.)	1700 to 2200 lb. (corrugated)
Ram penetration	12"

CONSTRUCTION SPECIFICATIONS

Floor	3/16" steel plate 6" channel (3) 1/2" X 5" flat bar re-enforcement
Sides	1/4" steel plate (4) 3/8" x 4" side stiffeners per side
Back	(8) 6" channel with 1/2" x 1 1/2" stiffener (2) 8" channel with 1/2" x 1 1/2" stiffener
Door	3/16" plate (2) 4" x 3" x 1/4" tubing (2) 4" x 4" x 1/4" top tube 1/2" x 4" flat bar tube stiffener 1/2" x 4" flat bar vertical stiffener
Cylinder mounting	(4) 10" channel (4) 1 1/4" steel plate
Presshead	1/2" steel plate 6" channel 6" "I" beam (guides) 2 1/2" x 2 1/2" x 3/8" angle, 39" long

HYDRAULIC SYSTEM SPECIFICATION

Pump	(type)	Rotary vane positive displacement
	(capacity)	18 gpm
System pressure	(normal)	2000 psi
	(max)	2200 psi
System design pressure		2500 psi
Cylinder	(bore)	(2) 6"
	(stroke)	60"
	(rod)	3 1/2"
Reservoir capacity		50 gal

HYDRAULIC SYSTEM SPECIFICATION (continued)

The system is completely self contained within the baler. The power unit has the following features: 20 micron filtering system, soft shift directional valve, regenerative circuit, and oil heater.

ELECTRICAL SYSTEM SPECIFICATIONS

Motor	(hp)	15
	(rpm)	1750
	(voltage)	208/230/480 VAC 60Hz Three phase
Electrical Panel	(main)	Hoffman NEMA 4
	(junction)	Hoffman NEMA 3R
Looms	(motor)	3/4" sealite w/ #8 TFFN wire (note: all looms are grounded)
	(main)	Multi-conductor cord (color coded)
	(power unit)	Multi-conductor cord (color coded)
Motor starter		IEC size 2.5
Controls		JV Manufacturing printed wiring board with relays
Operators	(type)	Allen Bradley 800E series (22mm)
	(used)	Keyed start switch
		Red Mushroom stop push button
		Blue manual raise push button
		3 position maintained selector switch
		Amber power on light
Interlock switches		Loading door photocell
		Chamber door prox
Control panel	is U.L. listed	

PAINT SPECIFICATIONS

Primer	Rust inhibiting bottom coat, 2 mil thickness
Paint	Industrial enamel, high solids, 4 mil thickness