

APPLICATION

The RS-11 Compensating Counter Stacker integrates counting, jogging and compensated stacking into a single automated operation to minimize manning requirements. It works behind saddle stitchers, perfect binders, and inserters with simple and quick non-tool setup or change-over regardless of product size, thickness and running speed (within specifications). The output stacks are of excellent quality, ready for packing into boxes, shrink-wrapping, etc.

FUNCTION

Individual, side-by-side, or stacks of products are delivered from an up-stream system, preferably with the spine leading, and is conveyed by the positive control belt system on the inclined infeed. The products, or stacks of products are accurately counted just prior to entering the upper bin.

Products accumulate in the bin up to a maximum quantity as selected during the setup procedure. When the "bin count" is reached, the release rods in the bottom of the upper bin unit swing to release the products down into the basket on the turntable.

If compensation is desired, the turntable will rotate 180° while products continue to accumulate in the upper bin unit. These operations are repeated until the total number of products selected for the stack is reached. When the stack is complete, it is pushed out (ejected) on to the delivery table.

FEATURES

- Heavy duty steel design
- Caster-mounted for easy transport
- Inclined infeed ramp with belts and height adjustment
- Photocell product counter
- Minimal drop distance (127mm/5.00") of products into the upper bin unit, improving stack integrity
- Upper bin unit product jogger
- Stack ejector (pusher), adjustable in speed
- Pneumatically actuated gates on the turntable basket (optional)
- Reduced floor plan

ADVANTAGES

- Excellent quality stacks
- Manpower reduction
- Low space requirement
- Very open for viewing product flow and ease of maintenance
- Large, satisfied customer base
- Minimal marking
- Mobile
- Accurate product counts
- Low maintenance
- Time proven design
- Operator interface panel and high speed industry standard PLC. Simple text prompt to set counters and timers.
- Minimal floor space compact design

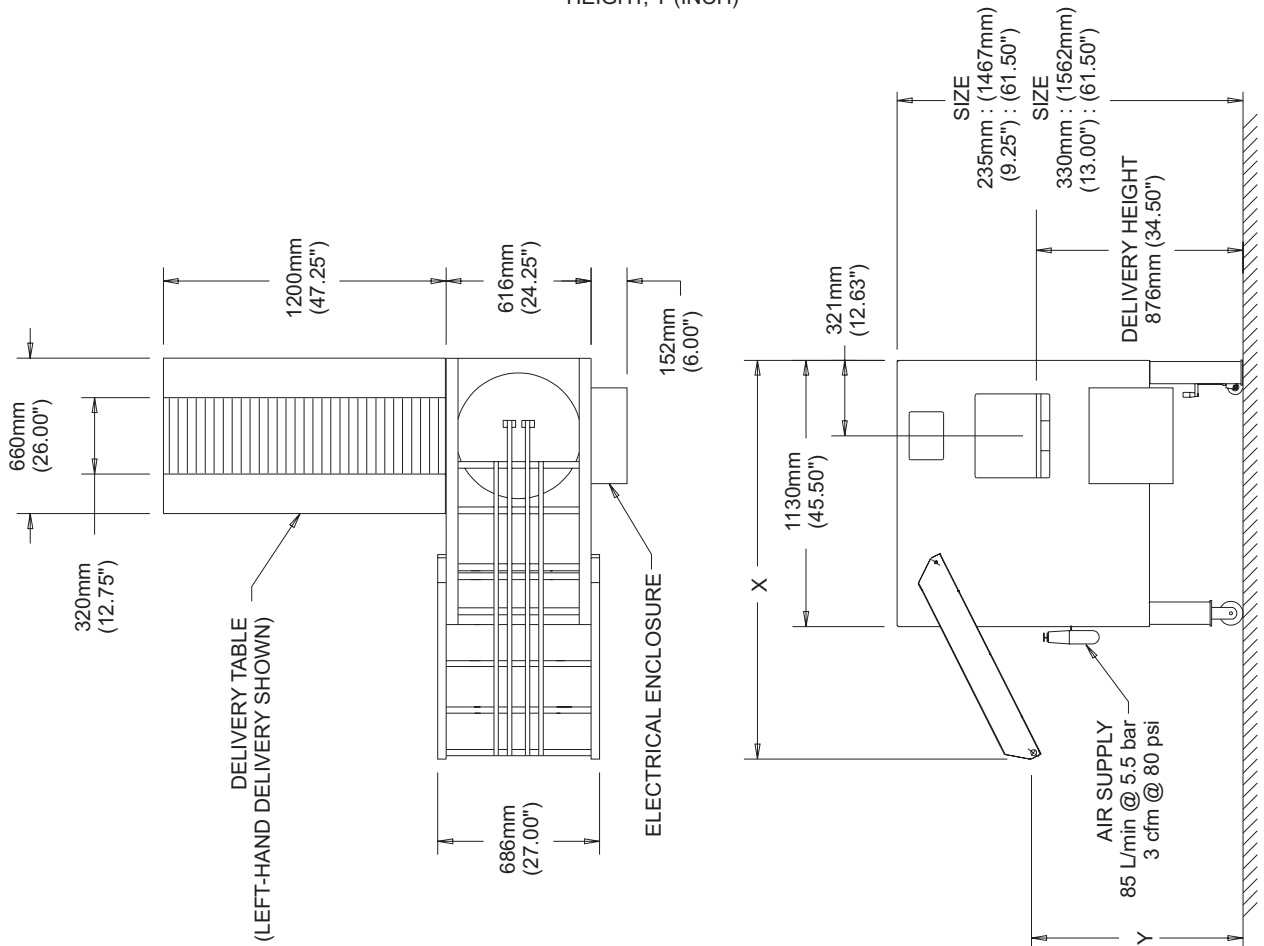
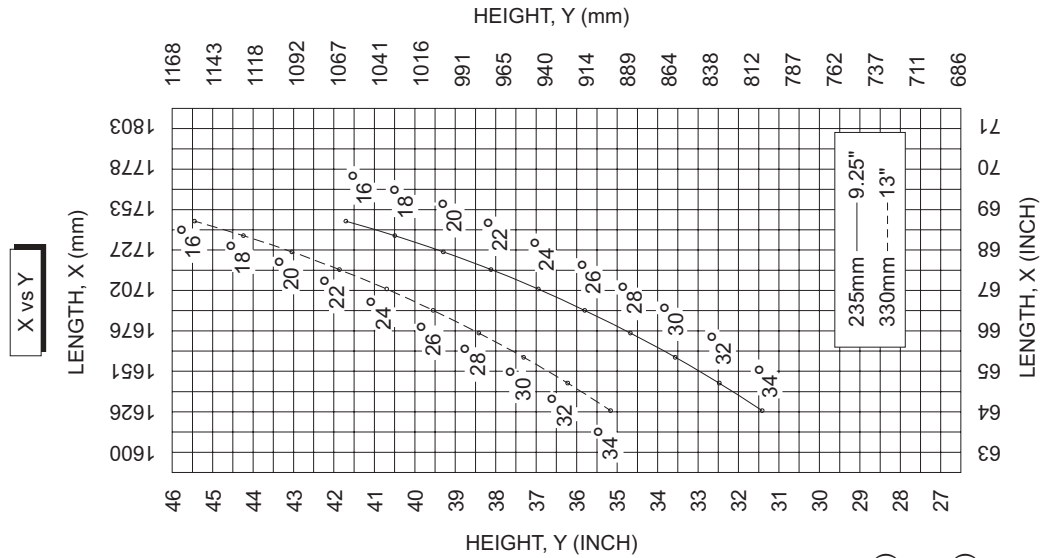
NOTICE

RIMA ENTERPRISES does not warrant operating capabilities of equipment. The equipment described herein is powered to cycle mechanically as indicated. However, it must be understood that actual operating capabilities vary under different conditions for which RIMA ENTERPRISES can assume no responsibility. The warranties contained in RIMA ENTERPRISES standard terms and conditions are the only warranties applicable to this equipment. RIMA ENTERPRISES reserves the right to change the specifications of this equipment without notice.

Specifications

Machine: Compensating Counter Stacker

Model: RS-11



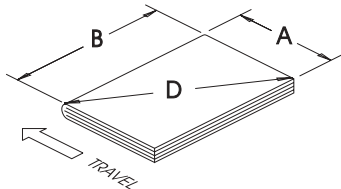
Specifications

Machine: Compensating Counter Stacker

Model: RS-11

Standard Specifications: RS-11

Product size	Minimum		Maximum
	"A" Dimension	102mm (4.00")	320mm (12.63")
"B" Dimension	152mm (6.00")	470mm (18.50")	
"D" Dimension	Limited by "A" & "B"	520mm (20.50")	
Thickness	1mm (0.04")	32mm (1.25")	
Operating Speed	12000 Products Per Hour Maximum		
Machine Size		235mm (9.25")	330mm (13.00")
Stack Height (Maximum)	Upper Bin	127mm (5.00")	127mm (5.00")
	Total Stack	235mm (9.25")	330mm (13.00")
Infeed Height (See Floor Plan)	Minimum	800mm (31.50")	686mm (27.25")
	Maximum	1054mm (41.50")	1022mm (40.25")
Delivery Table Height	876mm (34.50")		
Product Orientation	Spine Leading (Preferred)		
Input Power	1.5 KVA (See Voltage Selection Specifications)		
Air Requirement	85 L/min @ 5.5 bar (3 cfm @ 80 psi)		
Weight	500 kg (1,100 lb)		
Noise Level	DIN 45635 Section 27	85 dB(A) Maximum	



SPECIFICATION NUMBERS

MUST SELECT ONE

COUNTER/STACKER

RS-1112

Counter/Stacker equipped as follows: 235mm (9.25") stack height with 127mm (5.00") upper bin capacity, single eject system (left or right, customer specified), caster-mounted, programmable controller, DC drive.

RS-1113

Counter/Stacker equipped as follows: 330mm (13.0") stack height with 127mm (5.00") upper bin capacity, single eject system (left or right, customer specified), caster-mounted, programmable controller, DC drive.

SPECIFICATION NUMBERS

MUST SELECT ONE

INPUT POWER

RS-1100-001	208 V,3~, 50/60 Hz
RS-1100-002	480 V,3~, GND, 60 Hz
RS-1100-003	200 V,3~, N, PE, 50/60 Hz
RS-1100-004	380 V,3~, N, PE, 50/60 Hz
RS-1100-005	416 V,3~, N, PE, 50/60 Hz
RS-1100-006	600 V,3~, GND, 60 Hz
RS-1100-007	400 V,3~, N, PE, 50/60 Hz
RS-1100-008	115 V,1~, 60 Hz
RS-1100-009	240 V,3~, 60 Hz
RS-1100-020	220 V,3~ GND, 60 Hz

MUST SELECT ONE

NAMEPLATE LANGUAGE

RS-1100-010	English
RS-1100-011	French
RS-1100-012	German
RS-1100-013	Italian
RS-1100-014	Spanish
RS-1100-015	Dutch
RS-1100-016	Portuguese
RS-1100-017-01	Danish
RS-1100-017-02	Swedish
RS-1100-017-03	Finnish
RS-1100-017-04	Greek

MUST SELECT ONE

SCALES

RS-1100-028	Inch
RS-1100-029	mm

MUST SELECT ONE

DELIVERY DIRECTION

RS-1100-050	Delivery to the left.
RS-1100-051	Delivery to the right.

SPECIFICATION NUMBERS

MAY SELECT ANY

OPTIONAL FEATURES

RS-1100-028	Scales: Inch
RS-1100-029	Scales: mm
RS-1100-030	Stacker power cord with cam loc plug. Also see RS-1100-034.
RS-1100-032	Power cord only (without plug or receptacle).
RS-1100-034	Power cord with cam loc plug (male).
RS-1100-035	Infeed Extension Omega II saddlebinder.
RS-1100-036	Heating Press. Used for bonding infeed belts. Specify 110 volts or 220 volts.
RS-1100-037	Interface: Stahl ST-90/100/300
RS-1100-040	4/5 Knife Kit (Two-Up Option). Includes center divider. Allows precise stack separation.
RS-1100-041	Air-Operated Gates. Especially useful when operating with low bundle heights.
RS-1100-042	Side Jogger. Results in better stack quality, especially when operating with thin products.
RS-1100-043	Infeed Divert Gate. Simple divert device which drops books on floor, unless some takeaway system is provided.
RS-1100-047	Infeed divert gate 24V (RS-11). Divert up/down is controlled by an external source.
RS-1100-048	RS-10 Infeed option (RS-11)
RS-1100-050	Delivery to the left.
RS-1100-051	Delivery to the right.
RS-1100-080	Paint: Special color (other than RIMA's light gray)
RS-1100-140	Hand-Held Programming Unit. For use by supervisory or maintenance personnel to monitor equipment, make minor program changes, or to transfer programs from one stacker to another. Also see RS-1100-250.

SPECIFICATION NUMBERS

MAY SELECT ANY

OPTIONAL FEATURES (Cont.)

RS-1100-150	Operator/Maintenance/Parts manual. One is included with each stacker.
RS-1100-215	Electric Box Mounting. Location moved from the standard right side to the rear.
RS-1100-250	Software and cable for communication between the Mitsubishi PLC and an IBM compatible computer (includes manual). Used for editing, documenting and troubleshooting the PLC Program.
RS-1100-260	Software: Computer to Operator Panel (SWMTA 100—kit) Establishes communication between computer and Operator Interface Panel. Applications could be editing: "change wording," "change language." (Requires PC-DOS compatible computer—cabling is included).
RS-1100-226-01	Operator Interface—external right mount
RS-1100-226-02	Operator Interface—external left mount
RS-1100-226-03	Operator Interface—external back mount

SPARE PARTS

Spare parts kits are defined for various models. Because of revisions and improvements in the basic stacker, spare parts are subject to change without notice.

Spare kits for some models are defined as Level I, Level II and Level III. Level I is a minimal kit, while Level III is a comprehensive set. Every stacker is equipped with the very basic spare parts required for operation.

RS-1100-400	Spare Parts for RS-1112/1115 - Level I
RS-1100-401	Spare Parts for RS-1112/1115 - Level II
RS-1100-402	Spare Parts for RS-1112/1115 - Level III

NOTICE

*Delivery table is no longer supplied with machine and, therefore, must be ordered separately.
See specification sheets for details on delivery tables (RS-16) and conveyors (RS-26).*

REVISIONS

REV Date	REV	Revision Description	By:
Feb '96		First issue	
Sep '96	A	Page 5: RS-1115 deleted. Page 7: Deleted: RS-1100-033 RS-1100-052 RS-1100-060	jl
Oct '97	B	Page 4: Updated specifications table Page 5: Additional stacker - RS-1113 - 13" Page 6: Delivery to the left for 1112 only. For 1112 only deleted. Delivery to the right for 1112 only. For 1112 only deleted. Page 7: RS-1100-37, Interface to Stahl ST-90 deleted. Addition - RS-1100-215 Electric Box Mounting Addition - RS-1100-036 Heating Press	jc
Jan '98	C	Date revised (Header)	jl
Aug '01	D	Date revised (Header) Page 7,8: Updated "Optional Features" RS-1100-028, RS-1100-029, RS-1100-030, RS-1100-032 RS-1100-037, RS-1100-040, RS-1100-041, RS-1100-042 RS-1100-043, RS-1100-047, RS-1100-050, RS-1100-051 RS-1100-226-01, RS-1100-226-02, RS-1100-226-03	sa
Sep '01		Page 3: Updated Floorplan	sa
Jan '02		Page 6: Added Nameplate languages: RS-1100-017-01 — Danish, RS-1100-017-02 — Swedish, RS-1100-017-03 — Finnish, RS-1100-017-04 — Greek	sa

This page intentionally left blank