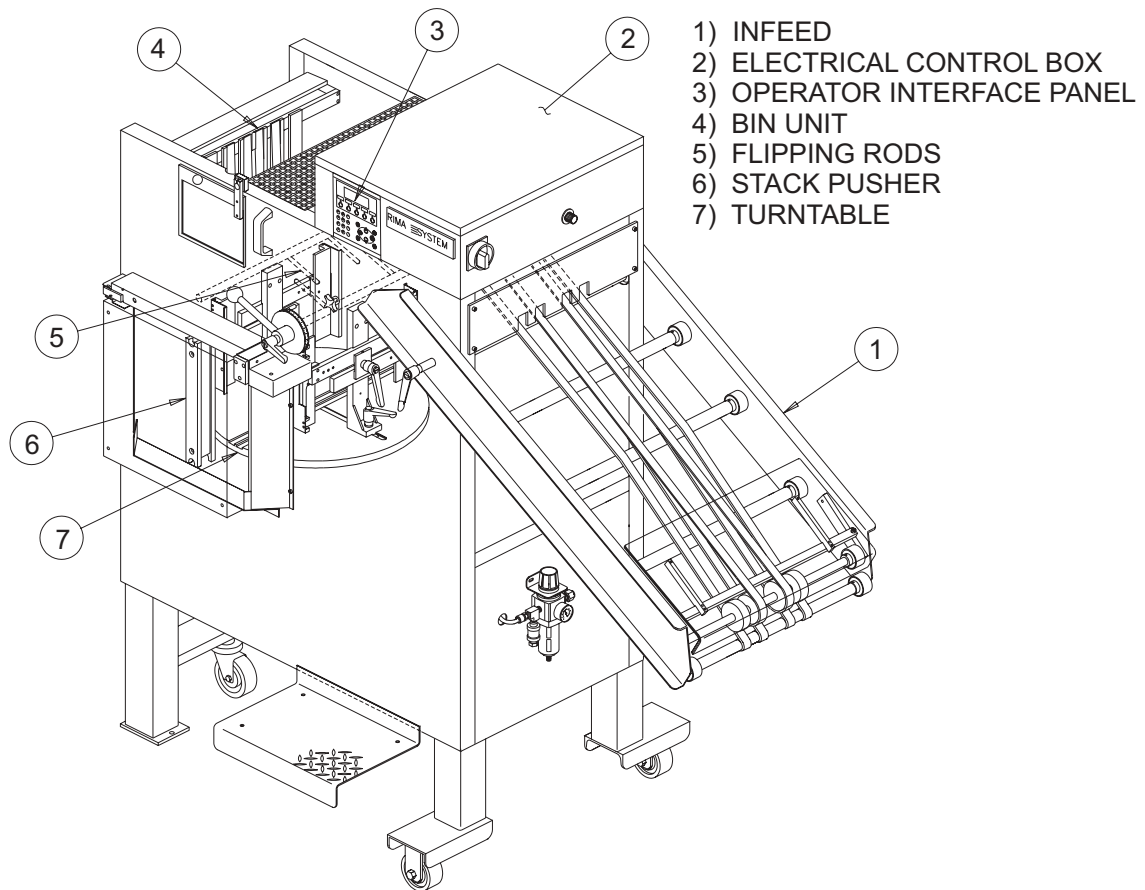


Specifications

RIMA SYSTEM

Machine: Compensating Counter Stacker

Model: RS-12S



APPLICATION

The RS-12S 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 changeover 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 upstream 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 flipper rods in the bottom of the upper bin unit rotate and 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 in the upper bin, improving stack integrity
- Upper bin unit product jogger
- Stack ejector (pusher). Adjustable in speed.
- Pneumatically actuated gates on the turntable basket (optional)

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 industry standard high speed PLC. Simple text prompt to set counters and timers. Job parameters such as counter and timer values may be assigned a job number and stored on-line for recall when the same format is run again. Screen displays running speed and totalizer.

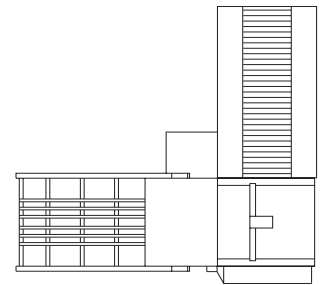
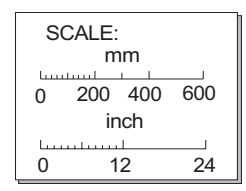
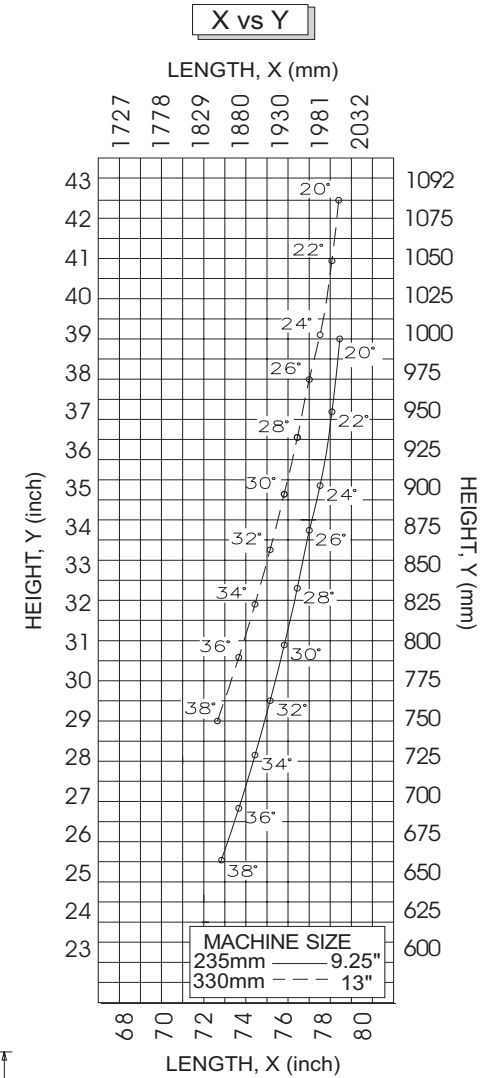
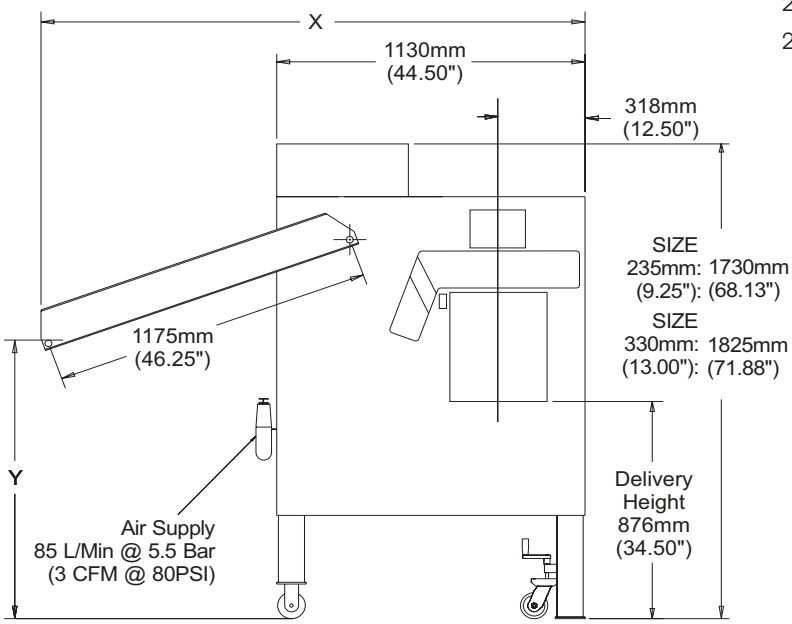
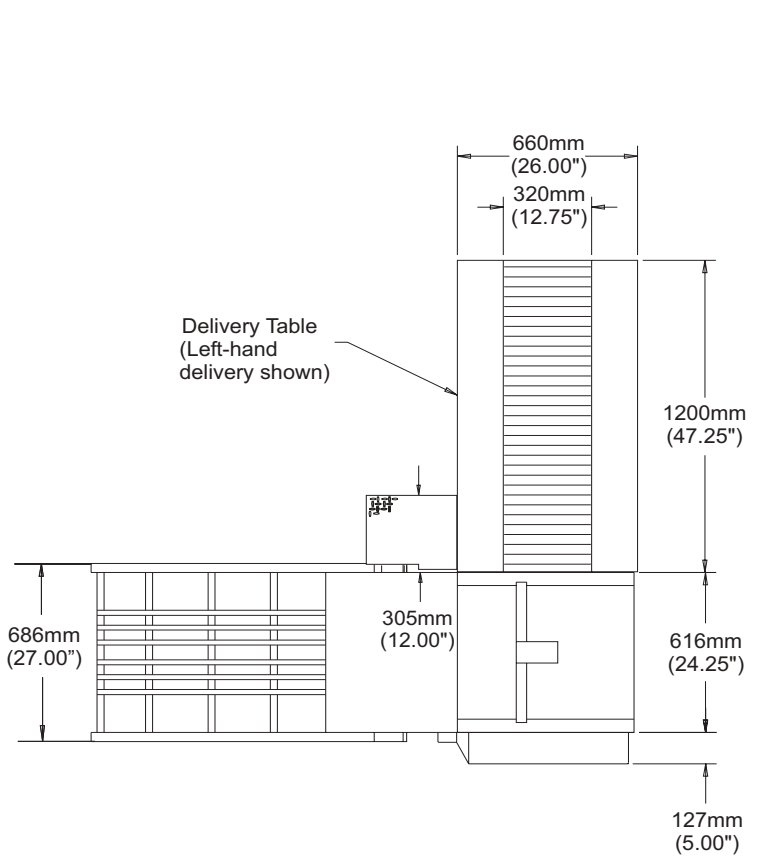
NOTICE

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-12S



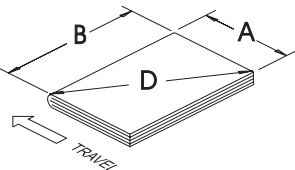
SCALE: 1:50

Specifications

Machine: Compensating Counter Stacker

Model: RS-12S

Standard Specifications: RS-12S

	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"	558mm (22.00")
	Thickness	1mm (0.04")	32mm (1.25")

Stack Height (Maximum)		Size 235mm (9.25")	Size 330mm (13.00")
	Upper Bin	127mm (5.00")	127mm (5.00")
	Total Stack	235mm (9.25")	330mm (13.00")

Infeed Height (See Floor Plan)	Minimum	660mm (26.00")	750mm (29.50")
	Maximum	990mm (39.00")	1079mm (42.50")

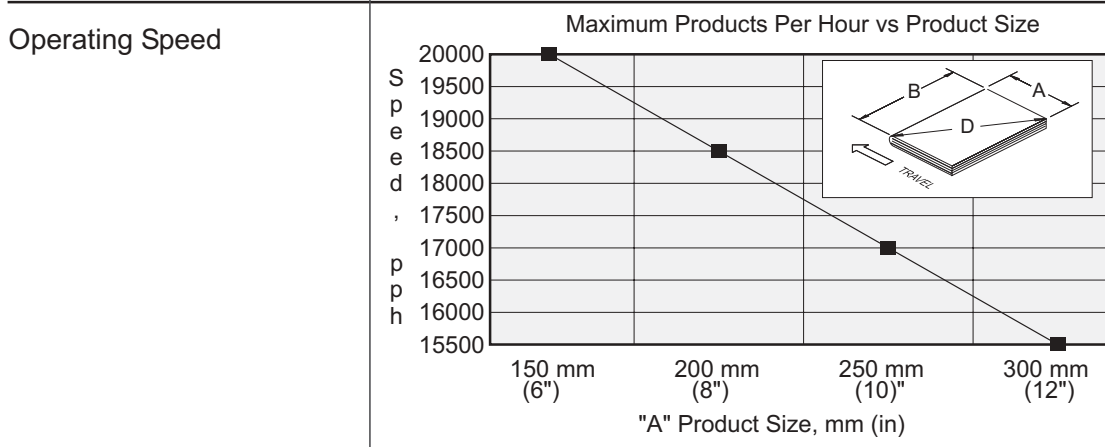
Delivery Table Height	876mm (34.50")
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Product Orientation	Spine Leading (Preferred)
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Input Power	3 KVA (See Voltage Selection Specifications)
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Air Requirement	85 L/min @ 5.5 bar (3 cfm @ 80 psi)
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Weight	500 kg (1,100 lb)
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Stack Cycle Rate (Max)		Books/Stack vs. Cycling Speed (Max)	
Stack/minute	Compensation	4 Books	9,000 pph
38	none	5 Books	11,000 pph
19	one	6 Books	13,500 pph
12	two	7 Books	15,750 pph
		8 Books	18,500 pph

Noise Level DIN 45635 Section 27	85 dB(A) Maximum
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Specifications

Machine: Compensating Counter Stacker

Model: RS-12S

STANDARD SPECIFICATIONS

MUST SELECT ONE

COUNTER/STACKER

RS-1212S

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

RS-1213S

Counter/Stacker, equipped as follows: 330mm (13.00") height with 127mm (5.00") upper bin capacity, dual eject system (left, right or alternating), caster-mounted, programmable controller, AC drive.

MUST SELECT ONE

INPUT POWER

RS-1200-001

208 V, 3~, GND, 50/60 Hz

RS-1200-002

480 V, 3~, GND, 60 Hz

RS-1200-003

200 V, 3~, N, PE, 50/60 Hz

RS-1200-004

380 V, 3~, N, PE, 50/60 Hz

RS-1200-005

416 V, 3~, N, PE, 50/60 Hz

RS-1200-006

600 V, 3~, GND, 60 Hz

RS-1200-007

400 V, 3~, N, PE, 50/60 Hz

RS-1200-008

115 V, 1~, GND, 60 Hz

RS-1200-009

240 V, 3~, GND, 60 Hz

RS-1200-020

220 V, 3~, GND, 60 Hz

MUST SELECT ONE

NAMEPLATE LANGUAGE

RS-1200-010

English

RS-1200-011

French

RS-1200-012

German

RS-1200-013

Italian

RS-1200-014

Spanish

RS-1200-015

Dutch

RS-1200-016

Portuguese

RS-1200-017-01

Danish

RS-1200-017-02

Swedish

RS-1200-017-03

Finnish

RS-1200-017-04

Greek

Specifications

Machine: Compensating Counter Stacker

Model: RS-12S

SPECIFICATION NUMBERS

MUST SELECT ONE

SCALES

RS-1200-028

Inch

RS-1200-029

mm

MUST SELECT ONE

DELIVERY DIRECTION

RS-1200-050

Delivery to the left. (Must be specified only if one delivery table is supplied).

RS-1200-051

Delivery to the right. (Must be specified only if one delivery table is supplied).

MAY SELECT ANY

OPTIONAL FEATURES

RS-1200-030

Stacker Power Cord with Cam-Loc plug.

RS-1200-031

Interface - Mail control (Townsort) - Connection to standard BC-310/510 mail control. Includes stacker power cord with cam loc plug. Also includes the logic umbilical cord with amphenol plug for the BC-310/510 mail control system. Also see under RS-1200-034.

RS-1200-031-A

Shift register input mail control — S-75-524.

RS-1200-031-24

Interface: Special 24VDC Townsort control.

RS-1200-032

Stacker power cord only (without plug or receptacle).

RS-1200-033

Interface - Connection to standard Mc Cain trimmers. Consists of special infeed extension. When used with infeed divert gate option, RS-1200-043 maximum "B" dimension is 356mm (14.00").

RS-1200-034

Cam Loc Receptacle - Required if RS-1200-030 or RS-1200-031 is ordered and up-stream equipment does not have this interface.

RS-1200-035M

Infeed extension (Omega 2).

RS-1200-037

Interface - Connection to Stahl ST-90. Includes electrical components, cable and connectors for connections with Stahl ST-90 stitcher.

RS-1200-040

4/5 Knife kit (two-up option) - Includes center divider. Allows precise stack separation.

RS-1200-041

Air-Operated Gates - Especially useful when operating with low bundle heights.

RS-1200-042

Side Jogger - Results in better stack quality, especially when operating with thin products.

Specifications

Machine: Compensating Counter Stacker

Model: RS-12S

SPECIFICATION NUMBERS

MAY SELECT ANY	OPTIONAL FEATURES (Cont.)
RS-1200-042-02	Side Jogger—motorized adjust. Pneumatic vibrators with motorized spindle adjustment. Adjustable through Operator Interface.
RS-1200-043	Infeed Divert Gate - Simple divert device which drops books on floor, unless some takeaway system is provided.
RS-1200-044	Book Orientation Device - Enables book backbone to be oriented before ejection. This option increases cycle time.
RS-1200-044-01	Book orientation—servo. Servo motor driven. Enables book backbone to be oriented before ejection. This option increases cycle time.
RS-1200-044-02	Book orientation—servo 180°. Servo motor driven. Enables book backbone to be oriented 180° before ejection. This option increases cycle time.
RS-1200-045	Interface; Connection to standard SP-450 trimmer. Consists of special infeed extension. Not useable with RS-1200-043.
RS-1200-047	Infeed divert gate: 24V (RS-12) see S-82-299M. Divert up/down is controlled by an external source.
RS-1200-057	Servo pusher—Straight-out. Push-out distance and speeds adjustable through the Operator Interface. Allows decreased cycle time.
RS-1200-058	Servo turntable drive. Allows faster compensation — servo motor driven. Product orientation adjustable through Operator Interface—up to a 270° turn.
RS-1200-059	Servo pusher — t wo-piece. Allows left, right or straight-out delivery. Servo motor driven — faster, quieter operation. Reduced cycle times. Precise speed and pushout distance control.
RS-1200-077	Servo Pusher—high speed / 100 (RS-12 style, chain drive). Decreased cycle time.
RS-1200-080	Paint: Special color (other than RIMA's light gray)
RS-1200-087	Table pick-up option: turntable rises to meet product, decreases the drop distance into the basket assembly.
RS-1200-120	("B" DIM) 127mm (5.00")
RS-1200-140	Hand-Held Programming Unit. For use by supervisory or maintenance personnel to monitor equipment, make minor programming changes, or to transfer programs from one stacker to another. Also see RS-1200-250.
RS-1200-150	Operator/Maintenance/Parts manual. One is included with each stacker.
RS-1200-041-201	Turntable basket (motorized without table pick-up)

SPECIFICATION NUMBERS

MAY SELECT ANY

OPTIONAL FEATURES (Cont.)

RS-1200-220	Interface; Dual Ovalstrap; Product size restrictions apply. Max “A” 254mm (10.00”); “B” 282mm (11.13”).
RS-1200-221	Interface: Right-hand Ovalstrap.
RS-1200-222	Interface: Left-hand Ovalstrap.
RS-1200-223	Interface: Dual Signode, mag 90.
RS-1200-224	Interface: Right-hand Signode, mag 90.
RS-1200-225	Interface: Left-hand Signode, mag 90.
RS-1200-226-01	Operator Interface—external right mount
RS-1200-226-02	Operator Interface—external left mount
RS-1200-226-03	Operator Interface—external back mount
RS-1200-250	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-1200-260	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-1200-275	Interface (Blocking unit)
RS-1200-306	Stack compression—available only for 330mm (13") stackers (includes air gates).
RS-1200-341	Turntable—available only with turntable stack compression RS-1200-306.
RS-1200-360	Vent assembly—control box: fan and filter option for main electric control box. Recommended in climates with elevated temperatures and humidity.

Motorized Turntable Basket Adjustment

RS-1200-041-201—Motorized turntable basket adjustment allows the turntable basket to be adjusted for different product sizes in the "A" and "B" dimensions while the stacker is in operation. The turntable basket size is adjusted through the operator interface panel by entering the product size or increment / decrement keys for smaller adjustments. Applies to all bindery stackers without stack compression or table pickup. Affected models: RS-10S, RS-12S and RS-3310S.

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 are defined as Level I, Level II, and Level III. Every stacker is shipped with a very basic spare parts kit required for normal operation. Level I provides the minimal spare parts, while Level III provides a comprehensive set.

RS-1200-400	Spare Parts for RS-1212S/1213S - Level I
RS-1200-401	Spare Parts for RS-1212S/1213S - Level II
RS-1200-402	Spare Parts for RS-1212S/1213S - Level III

NOTICE

*Delivery table is no longer supplied with machine and, therefore, must be ordered separately.
See listing or delivery tables and conveyors for detail.*

Specifications

Machine: Compensating Counter Stacker

Model: RS-12S

REVISIONS

REV Date	REV	Revision Description	By:
Jan '94		First issue	
Apr '96	B	Page 2: Features: Stack Ejector item added. Page 3: Dimension change on infeed arm of stacker. Page 4: Input Power: changed to 3.0 KVA. Page 6: Added: RS-1200-035M and -037, Edit: RS-1200-030 thru -032 Page 7: Deleted RS-1200-260. Page 8: Spare Parts: text change.	jl
Jan '98	C	Date revised (Header)	jl
Feb '98	D	Page 3: Graph updated. Page 4: Infeed Height dimensions (Minimum and Maximum) revised	jl
Feb '00	E	Page 1: Legs revised on drawing Page 4: Infeed Height dimensions (Minimum and Maximum) revised	jl
Jan '01	F	Page 7: Added Motorized Turntable Basket Adjustment section	jl
Jul '01	G	Revised date (Header) Page 5: Updated "Input Power" format, change DC to AC Page 6: Added: RS-1200-031A Page 7: Added: RS-1200-058, RS-1200-077, RS-1200-026-01, RS-1200-026-02 RS-1200-026-03, RS-1200-044-01, RS-1200-044-02	sa
Aug '01		Page 5: Added: RS-1200-015, Nameplate Language (Dutch) Added: RS-1200-016, Nameplate Language (Portuguese) Page 6: Added: RS-1200-040, RS-1200-041,RS-1200-042 Added: RS-1200-042-02 Added: RS-1200-031, RS-1200-031-24, RS-1200-033 Page 7: Added: RS-1200-044,RS-1200-045, RS-1200-057, RS-1200-059 Added: RS-1200-047, RS-1200-087, RS-1200-140 Added: RS-1200-220, RS-1200-221, RS-1200-222, RS-1200-223 Added: RS-1200-224, RS-1200-225 Page 8: Added: RS-1200-260, RS-1200-275 RS-1200-306, RS-1200-341 Added: RS-1200-037	
Jan '02	H	Page 5: Added Nameplate languages: RS-1200-017-01 — Danish, RS-1200-017-02 — Swedish, RS-1200-017-03 — Finnish, RS-1200-017-04 — Greek	sa