



# RLKV - VACUUM LAMINATING PRESS SYSTEM



The Professional Laminating System

## INTRODUCTION

This hydraulic laminating press is particularly suitable for material testing, prototype and job lot production. The standard design is equipped with electrical heating and water cooling. The press frame is designed as a vacuum chamber.



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# RLKV LAMINATING PRESSES

## Model RLKV 25, 40 and 63

Model		RLKV 25				RLKV 40				RLKV 63			
platen size	mm x mm	450 x 330				630 x 420				750 x 560			
	inch x inch	17.7 x 13.0				24.8 x 16.5				29.5 x 22.0			
max. lamination area	mm x mm	350 x 250				530 x 340				650 x 480			
	inch x inch	13.8 x 9.8				20.9 x 13.4				25.6 x 18.9			
max. press force	kN	250				400				630			
	US ton	28				44				70			
max. laminating pressure	N/cm <sup>2</sup>	286				222				202			
	psi	406				316				287			
number of openings		1	2	3	4	1	2	3	4	1	2	3	4
max. operating temperature	°C	300											
	°F	572											
heating up rate (empty press)	°C/min	10											
	°F/min	18											
max. vacuum in the chamber ≤	mbar	20											
	inch Hg	29.32											
daylight	mm	170	84	84	84	170	84	84	84	170	84	84	84
	inch	6.7	3.3	3.3	3.3	6.7	3.3	3.3	3.3	6.7	3.3	3.3	3.3
heating capacity	kW	11	18	25	32	19	32	45	58	29	49	69	89
	HP	15	24.5	34	43.5	25.8	43.5	61.2	78.9	39.4	66.6	93.8	121
cooling water consumption per cycle approx.	l/min	11	19	26	34	20	33	46	60	31	52	74	95
	US-gal/min	2.9	5	6.9	9	5.3	8.7	12.2	15.9	8.2	13.7	19.6	25.1
nominal suction capacity	m <sup>3</sup> /h	25	25	25	40	25	25	25	40	25	40	40	40
	cub. ft/h	883	883	883	1413	883	883	883	1413	883	1413	1413	1413
installed motor size	kW	0.75	0.75	0.75	1.1	0.75	0.75	0.75	1.1	0.75	1.1	1.1	1.1
	HP	1	1	1	1.5	1	1	1	1.5	1	1.5	1.5	1.5

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max. operating temperature	°C	400											
	°F	752											
heating up rate (empty press)	°C/min	10											
	°F/min	18											
max. vacuum in the chamber ≤	mbar	20											
	inch Hg	29.32											

### Control and adjustment of the laminating force

Variable settings for platen temperature, heating time and cooling time are possible. The laminating force is adjustable and is indicated by a pressure-gauge. The vacuum can be activated or deactivated as required and is indicated by a vacuum gauge.

### Options

- Windows-based-measuring-PC for graphical and numerical visualization of the process data. Filling as ASCII- File for data exchange with PLC-Programs
- Color printer
- Customized platen sizes
- Thermo oil heating and cooling
- Automatic driven door

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