

RA-400 Patcher

Rosco
A LeeBoy Company



Performance Features:

The ultimate output of the RA-400, which is capable of correcting over 200 road defects in a single day by a single individual, has been deployed by contractors looking to maximize productivity while finding a cost-effective patching solution. The driver operated joystick performs a four-step spray injection process typically in less than one minute per repair. Including one of the largest emulsion tanks available in the market, the RA-400 patching boom extends and retracts providing a wide patching range with minimal required maintenance.

- Front-Corner Mounted Boom for Greater Working Range
- VORTEC System (Vacuum Operated Rock Transfer Emulsion Control)
- 10' 3" x 7' (3.12 x 2.13 m) Rectangular Aggregate Hopper
- 300 Gallon (1,135 l) Liquid Asphalt Emulsion Tank
- Can-Bus Plus 1 In-Cab Control System
- One Person Operation, Easy-to-Use Joystick Controls
- Industry Leading Hydraulic "Patch on the Go" System
- Tier 4 Final 65 HP (48.4 kw) Kubota Diesel Auxiliary Engine
- 30" x 60" (.762 x 1.52 m) Rear-Mounted Arrow Board



RA-400 Patcher Specifications



Dimensions	<ul style="list-style-type: none"> - Length: 26' (7.9 m) boom retracted 38' 5" (11.7 m) boom fully extended - Width: 8' 6" (2.59 m) - Height: 10' (3 m) - Weight: 18,000 lbs (8,164 kg) w/ standard chassis 	Aggregate System	<ul style="list-style-type: none"> - Low profile, 5 cu yard (3.82 cu m) hopper - Rectangular welded 10' 3" x 7" (3.12 x 2.13 m) aggregate hopper - Cab-controlled, adjustable slide gate in hopper - Accepts aggregates up to 3/4" (19 mm) - Plus+1 settings: rock flow, emulsion flow and air flow
Chassis	<ul style="list-style-type: none"> - Cab-over Peterbilt 220 (or equivalent) - Engine: 240 hp (179 kw) diesel engine - Gross vehicle weight: 33,000 lbs (14,969 kg) - Single axle, rear 	VORTEC System	<ul style="list-style-type: none"> - Vacuum Operated Rock Transfer Emulsion Coating System (VORTEC) - Utilizes no mechanical or moving parts - Ease of access to clean/service slide gate
Auxiliary Engine	<p>Kubota diesel engine Tier 4 Final - 65 hp (48.4 kw)</p>	Feed and Flush System	<ul style="list-style-type: none"> - Air pressurized, deliver sufficient asphalt to cover aggregate at full feed capacity - Delivery system capable of maintaining 60 psi - 30 gallon (113.5 l) minimum capacity, provisions for storing used flush material - 3-way valve for flush, delivery and shut-off
Hydraulics	<ul style="list-style-type: none"> - Dual hydraulic pump - 28 gallons per minute (105.9 lpm). blower function - 9 gallons per minute (34 lpm). all other functions - Tank reservoir: 20 gallons (75.7 l) 	Operator Controls	<ul style="list-style-type: none"> - One person operation from driver seat - All patching functions in-cab, including cleaning, tack coating, patching and dust coating - Single joystick control: boom swing, extend/retract and push button for up/down - Push button operates: blow out mode, emulsion on/off, blower on/off, blow inc/dec, rock flow inc/dec and emulsion inc/dec
Tank Capacity	<ul style="list-style-type: none"> - 300 gallons (1,135 l) 	Optional Equipment	<ul style="list-style-type: none"> - Back-up/reverse camera with in-cab color display - LED lights in the 30" x 60" (.76 x 1.5 m) arrow board, 13 light - Larger arrow board 48" x 96" (1.2 x 2.4 m) - LED night working light package, 2 front, 1 rear - LED lights, stop, turn signals and tail lights - 240V heater conversion in lieu of 120V - Emergency triangle kit, flare, fire extinguisher - Jet flush system
Tank	<ul style="list-style-type: none"> - Overnight heating, two 4,500 watt, 240v thermostatically controlled heater elements - 5" (127 mm) diameter dial thermometer and emulsion level indicator, both visible from cab 		
Insulation	<ul style="list-style-type: none"> - Styrofoam-incased liquid asphalt emulsion tank 		
Boom	<ul style="list-style-type: none"> - Front-corner mounted boom, joystick controlled - Folds and stows across front bumper - Reach, extracted: 7' 5" (2.3 m) radius - Reach, extender: 11' 5" (3.5 m) - Patching area: 42 sq ft (12.8 sq m) 		
Compressed Air System	<ul style="list-style-type: none"> - High volume, low pressure, positive displacement blower driven by truck hydraulics motor - Capable of: 850 cfm @ 2,850 rpm 		



VT LeeBoy, Inc. ■ 500 Lincoln County Parkway Extension ■ Lincolnton, NC 28092 ■ 704.966.3300
www.LeeBoy.com

LeeBoy and the LeeBoy logo are registered trademarks of VT LeeBoy, Inc. Equipment model names, slogans and subsidiary logos appearing in this collateral may be registered trademarks or the trademarks of VT LeeBoy, Inc. The technical data contained herein is subject to change due to continuous engineering and development. Accordingly, LeeBoy reserves the right to modify at any time. © 2019 VT LeeBoy, Inc. All rights reserved. BR-9002.2-EN

