

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: 28' (8.5 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	<ul style="list-style-type: none"> - Kubota diesel engine - Tier 4 Final - 65 hp (48.4 kw) 	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 		



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