



**VT LeeBoy**  
A company of VT Systems

# 8500 Series Asphalt Pavers

## 8510C Asphalt Paver



### 8510C High Deck or Low Deck Conveyor Paver

#### Performance features include:

- 85 HP (63 kW) Kubota or Cummins Turbocharged Tier 4i Diesel Engine
- 8' to 15' (2.4 to 4.6 m) Heated and Vibrating Legend Screed System
- Poly Pad Steel Track Drive
- Choice of High Deck or Low Deck Configuration
- 12" (305 mm) AISI 4140 Steel Alloy Cast Augers
- Dual Lever Joystick Steering Control (both sides)
- Standard Hydraulic Operating Controls
- Sonic Auger Controls
- Under Auger Cut-off Gates
- Operating Light Package
- Heavy-duty, Large Radius Hopper Wings
- Two-speed Hydrostatic Drive
- Electronic Gauge Package with Vandal Protection
- Electronic Throttle with Variable Speed Control

Designed with the Paving Professional in Mind.®

## Legendary Screed Performance

### LeeBoy Legend Screed Systems

Legend screeds provide a smooth, seamless, quality mat helping meet tough job requirements.

- **Legend Propane Screed** – Standard on the 8510C paver, complete with two (2) propane burners on the main screed, one (1) burner on each extension.
- **Legend Electric Screed** – Optional screed provides economical, environmentally-friendly heat, two (2) elements on the main screed, single elements on each hydraulic extension.
- **Legend 815 HD Electric Screed optional screed features** – Four (4) elements on the main screed, single elements on each hydraulic extension.



Each screed provides long-wearing 3/8" (10 mm) AR 450 Hardox screed plates with bull-nose leading edge. Bolt on for simple, easy replacements as required.

## Legendary Feed System Design



### Wide Conveyors

The 8510C is equipped with large radius steel hopper wings and 36" (914 mm) wide automatic conveyors. The LeeBoy feed system delivers asphalt more evenly to produce a smooth mat.



### Hydraulically-raised Hopper Bed

The conveyor bed can be lifted hydraulically allowing easy, ready access.

### Propulsion System

Two-speed motors power tough planetary drives for smooth operation. Internal SAHR (Spring Applied Hydraulic Release) parking brakes are maintenance free.

## Track System and Heavy-duty Undercarriage



### Turbocharged Diesel Engine

Provides optimal power, is fuel efficient, and meets current EPA requirements. The fully enclosed engine cover/housing provides easy engine access. Resulting sound levels allow quiet operation in residential areas.

## Operator Station / Controls



### High Deck or Low Deck Configuration

Choose a High Deck or Low Deck configuration to suit your specific operational requirements.

### Propulsion Controls

Plus-1 Dual Joystick controls provide forward and reverse direction with steering from either side of the paver.

Engine Speed Control provides four (4) engine RPM presets matching engine speed to load.

## Large 12" (305 mm) Auger Feed, 15' (4.6 m) Legend Screed



### Infinitely Variable Widths

Cut-off gates enable varying paving widths as narrow as 1' (305 mm) and as wide as 15' (4.6 m), depending on screed option. Heavy-duty auger motors and 12" (305 mm) diameter augers, made of 5/8" (16 mm) AISI 4140 heat-treated steel, move material to the screed extensions. Dual vibrators enhance mat quality and adjustable extensions eliminate seams.

### Sonic Auger Controls

Non-contact, sonic auger controls provide automatic feeding of asphalt to the screed and extensions. The proper head of material is maintained.

## Electronic Control Options

### Automatic Grade Controls (optional)

LeeBoy 8510C Pavers may be equipped with optional automatic grade controls:

- Dual Grade Controls
- Dual Grade and Slope Controls
- Pre-wired for Grade Controls (TopCon)

The Dual Grade Controls automatically maintain a set depth on both ends of the screed.

The Dual Grade and Slope Controls maintain a set depth on one end of the screed and a set slope to the other end of the screed.



## Configuration Checklist

	<b>8510C</b>
85 HP (63 kW) Kubota or Cummins Turbocharged T4i Diesel Engine	✓
8' to 15' (2.4 to 4.6 m) Legend Propane Screed	✓
Electronic Gauge Package	✓
Two-speed Hydrostatic Drive	✓
Under Auger Cut-off Gates	✓
Vandalism Package	✓
Light Package and Safety Beacon	✓
12" (305 mm) Cast Augers with Sonic Controls	✓
Citrus Tank	✓
8' to 15' (2.4 to 4.6 m) Legend Electric Screed	optional
8' to 15' (2.4 to 4.6 m) Legend 815HD Electric Screed <b>LEGENDHD</b> <small>HEAVY DUTY ELECTRIC SCREED SYSTEM</small>	optional
Continuous Rubber Track System in lieu of Poly Pad Track	optional
Dual Grade Control	optional
Dual Grade and Slope Control	optional
Truck Hitch	optional
Steering Wheel	optional
Roll-up Curb Attachment	optional
Heated End Gates (HD Screed only)	optional

# Specifications

8510C Asphalt Paver	
<b>PAVING WIDTH</b>	
Basic 15-foot	8'-15' (2.4-4.6 m)
<b>HOPPER</b>	
Capacity	7.5 tons (6,804 kg)
Conveyors	(2) 36" (914 mm) Slat Conveyors
Feed Augers	12" (305 mm) diameter
<b>SCREED</b>	
Type	Heavy-duty Legend Screed System
Main - Heat	(2) 54,000 BTU Burners
Extensions - Heat	(2) 36,000 BTU Burners
Vibration	(2) Vibrators, 2,400 VPM each
<b>SPEEDS</b>	
Paving	0-160 fpm (49 m/min)
Travel	0-265 fpm (81 m/min)
<b>ENGINE</b>	
Make/Type	Kubota or Cummins Water-cooled, Turbocharged
Performance	Tier 4i 85 HP (63 kW) @ 2,600 RPM
<b>DIMENSIONS</b>	
Weight	17,300 lbs. (7,847 kg)
Length	12'5" (3.8 m)
Width (transport)	8'6" (2.6 m)
Height	6'6" (2.0 m)
<b>CAPACITIES</b>	
Fuel	20 gallons (76 l)
Hydraulic	40 gallons (151 l)

endless  
**PAVEMENT**  
solutions.

## 8510C Features...

- LeeBoy Legend 815HD Electric Screed
- Seamless mat with adjustments "on the fly"
- Heavy-duty, manually adjustable crown and valley mechanism
- Dual vibration system standard with extension vibration option

*LeeBoy makes continuous improvements to all its products and reserves the right to change specifications without notice. Photos and illustrations may contain standard and optional equipment.*

8510C Paver, UC

**LeeBoy**



Check us  
out online

www.**LeeBoy**.com

## Other Members of the LeeBoy Family of Products...



685C Motor Grader



250 Asphalt Distributor



8616B Asphalt Paver

"LeeBoy is dedicated to providing top quality parts and service support on every unit sold."

