TECHNICAL DATA

PAVER
CR 820 T

- SIDEVIEW: For improved visibility.
- FRAME RAISE: For the best mat quality.
- SMART TRAC: Automatic track tensioning.
- TELE MATIC: For improved fleet productivity.
### Dimensions in Inches

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>L1</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clearance</td>
<td>Screed</td>
<td>Auger</td>
<td>Frame</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR 820 T (frame raised)</td>
<td>15</td>
<td>9.25</td>
<td>7</td>
<td>11</td>
<td>99</td>
<td>65</td>
<td>126</td>
<td>248</td>
<td>130.75</td>
<td>108.5</td>
</tr>
<tr>
<td>CR 820 T (frame lowered)</td>
<td>8</td>
<td>4</td>
<td>7</td>
<td>11</td>
<td>99</td>
<td>65</td>
<td>120</td>
<td>248</td>
<td>130.75</td>
<td>108.5</td>
</tr>
</tbody>
</table>

BOMAG is leading the industry with its **FRAME RAISE** Three Point System offering improved ground clearance for maneuvering around obstacles and loading and unloading of the machine all while allowing the paver operator to fine-tune the head of material to achieve the best mat quality. BOMAG **FRAME RAISE** Three Point System allows the machine to maintain a level platform and consistent traction with traveling over uneven surfaces, enhancing mat smoothness.

Swing-out double **SIDEVIEW** consoles with four positions for optimum visibility and line of sight into the hopper and down the road ahead. The two consoles have 7-inch multi-function color screens and robust mechanical toggle switches for improved uptime.

The **SMARTRAC** self-adjusting track tensioning system eliminates the need for manual track adjustments, significantly reducing the risk of the track disengaging.
## Technical Data

### Weight
- Tractor: 31,600 lbs
- with Stretch® 16: 36,400 lbs

### Dimensions
- Transport length (incl. Stretch 16): 248 in
- Transport width (no screed - Hoppers up): 102 in
- Transport width (incl. Stretch 16): 107 in
- Transport height: 126 in
- Track type: Replaceable rubber
- Track width: 14 in
- Brakes: Spring Applied
  - Hydraulic Release (SAHR) parking

### Travel Characteristics
- Travel speed (max): 9.3 mph
- Paving speed (max): 283 fpm

### Drive
- Engine manufacturer: Cummins
- Type: QSB 4.5
- Emission stage: Tier 4f
- Cooling: liquid
- Number of cylinders / Displacement: 4 cyl / 4.5 L
- Rated power: 160 hp
- Electrical: V 12

### Hopper
- Capacity: 10 tons
- Width (wings closed): 97 in
- Width (wings open): 124 in
- Length: 65.5 in
- Volume: 165 ft³
- Feed tunnel width (each): 21.75 in

### Auger
- Number: 2
- Auger diameter: 16 in
- Rotary speed: 150 rpm
- Construction: Cast, high alloy
- Thickness: 0.625 in

### Screed
- Stretch® 16 (electric heat) generator: 20 kW
- Basic width retracted: 8 ft
- Basic width extended: 16 ft
- Max width with extensions: 20 ft
- Screed plate thickness: 0.5 in
- Mat thickness: 12 in
- Positive crown (hydraulically powered): 3 in
- Negative crown (hydraulically powered): 1 in
- Vibrations per minute (max): 2,800 vpm

### Capacities
- Fuel (Diesel): 47.5 gal
- Hydraulic oil: 50 gal
- Cooling systems: 6 gal

---

Technical modifications reserved. Machines may be shown with options.
## Standard Equipment

- Turbocharged 160 hp Tier4 engine
- Power-tilt hood with radiator
- Lockout/tagout capable E-stop and master electrical switch
- Fume-recovery system
- Frame Raise and Three-point suspension system with adjustable spreading auger height
- Reinforced, sealed, tilting hopper wings with beveled corners
- Two power-adjustable material flow gates
- SMARTRAC self-tensioning system
- Independent hydrostatic drive for each track
- Thirty-foot hose reel for spray-down and tank
- Back-up alarm
- Replaceable rubber tracks
- Oscillating push rollers
- Two sets of oscillating bogie assemblies

## Optional Equipment

- Stretch® 16 screed with electric heat
- Bevel guide plates
- Paving widths from 8-16 ft (2.4-4.9 m)
- Paving depth of up to 12 in (305 mm)
- Cutoff shoes, 12-inch (and 24-inch sections)
- Screed extensions for paving up to 20-ft (6.1 m)
- Grade and slope control
- Multi-foot grade reference system
- Sonic averaging systems
- 500-hour service kit
- Emergency uptime kit
- Truck hitch

Disclaimer: At the time of printing every effort was made to ensure the accuracy of the specifications shown. Please contact BOMAG Americas with questions or to obtain current specs.

© 2020 BOMAG Americas, Inc.