



## Truck-Mounted Paver Comparison

| Model                          | M310   | M210   | M206   | M216   |
|--------------------------------|--|--|--|--|
| <b>Primary Use</b>             | Slurry Seal / Micro Surfacing  | Slurry Seal / Micro Surfacing  | Slurry Seal / Micro Surfacing  | Slurry Seal / Micro Surfacing  |
| <b>Aggregate Capacity</b>      | 10 yd <sup>3</sup> (7.7 m <sup>3</sup> )   | 10 yd <sup>3</sup> (7.7 m <sup>3</sup> )   | 6 yd <sup>3</sup> (4.5 m <sup>3</sup> )  | 16.5 yd <sup>3</sup> (12.3 m <sup>3</sup> )  |
| <b>Emulsion Capacity</b>       | 630 gallons (2,385 liters)   | 600 gallons (2,270 liters)   | 300 gallons (1,135 liters)   | 1,200 gallons (4,540 liters)   |
| <b>Water Capacity</b>          | 630 gallons (2,385 liters)   | 600 gallons (2,270 liters)   | 300 gallons (1,135 liters)   | 1,000 gallons (3,785 liters)   |
| <b>Fines Feeder</b>            | 10 ft <sup>3</sup> (0.28 m <sup>3</sup> )  | 8.5 ft <sup>3</sup> (0.24 m <sup>3</sup> )   | 8.5 ft <sup>3</sup> (0.24 m <sup>3</sup> )   | 8.5 ft <sup>3</sup> (0.24 m <sup>3</sup> )   |
| <b>Additive Tank</b>           | Stainless Steel, 85 gallons (322 liters)   | Stainless steel, 55 gallons (200 liters)   | Stainless steel, 55 gallons (200 liters)   | Stainless steel, 55 gallons (200 liters)   |
| <b>Production Rate</b>         | 5,000 - 6,000 lbs/min  | 4,000 lbs/min  | 4,000 lbs/min  | 4,000 lbs/min  |
| <b>Aggregate System</b>        | Belt over chain, 24 inches wide, direct hydraulic drive, fixed gate opening at rear of hopper, automatic shutdown of system when aggregate is empty.   | Belt over chain, 24 inches wide, variable rear gate for calibration, steep hopper walls minimize bridging, automatic shutdown of system when aggregate is empty. | Belt over chain, 24 inches wide, variable rear gate for calibration, steep hopper walls minimize bridging, automatic shutdown of system when aggregate is empty. | Belt over chain, 24 inches wide, variable rear gate for calibration, steep hopper walls minimize bridging, automatic shutdown of system when aggregate is empty. |
| <b>Emulsion Pump Design</b>    | Positive displacement pump, direct hydraulically driven, heat jacketed with coolant from paver engine.   | Fixed displacement gear pump, hot water jacketed, with emulsion strainer.  | Fixed displacement gear pump, hot water jacketed, with emulsion strainer.  | Fixed displacement gear pump, hot water jacketed, with emulsion strainer.  |
| <b>Emulsion Pump Operation</b> | Re-circulates or starts and stops with mix start switch, user configurable.  | Starts and stops with mix start switch.  | Starts and stops with mix start switch.  | Starts and stops with mix start switch.  |
| <b>Mixer Type</b>              | Dual shaft, fixed angle paddles, multi-paddle pugmill, dual hydraulic powered, variable speed and reversible. Replaceable bottom shell and paddle tips, hydraulic cylinder slides out pugmill for easier cleaning. | Twin paddle shafts, variable speed and reversible. Replaceable bottom shell and paddle tips.   | Twin paddle shafts, variable speed and reversible. Replaceable bottom shell and paddle tips.   | Twin paddle shafts, variable speed and reversible. Replaceable bottom shell and paddle tips.   |

| Model                              | M310   | M210  | M206  | M216  |
|------------------------------------|--|---|---|---|
| <b>Water System</b>                | Positive displacement, hydraulic driven roller pump, independent centrifugal pump with relief line for hand hoses and spray bar. | Positive displacement roller pump for mixer water, variable speed with gpm (lpm) readout. Independent centrifugal pump for spray bars and hand hoses. | Positive displacement roller pump for mixer water, variable speed with gpm (lpm) readout. Independent centrifugal pump for spray bars and hand hoses. | Positive displacement roller pump for mixer water, variable speed with gpm (lpm) readout. Independent centrifugal pump for spray bars and hand hoses. |
| <b>Additive System</b>             | Stainless steel, double welded tank, hydraulically driven, operator controlled additive flow                                     | Additive/water mix system with independent positive displacement pumps, (10:1 ratio) mixes before entering pugmill, variable speed.                   | Additive/water mix system with independent positive displacement pumps, (10:1 ratio) mixes before entering pugmill, variable speed.                   | Additive/water mix system with independent positive displacement pumps, (10:1 ratio) mixes before entering pugmill, variable speed.                   |
| <b>Material Control System</b>     | EMCAD System simplifies calibration through an electronic automated mixer.   | Jackshaft maintains aggregate, emulsion and fines, hydraulic drive, with air clutches.  | Jackshaft maintains aggregate, emulsion and fines, hydraulic drive, with air clutches.  | Jackshaft maintains aggregate, emulsion and fines, hydraulic drive, with air clutches.  |
| <b>Engine Make</b>                 | Cummins<br>100 HP (75 kW)  | Cummins<br>100 HP (75 kW)   | Cummins<br>100 HP (75 kW)   | Cummins<br>100 HP (75 kW)   |
| <b>Control System</b>              | EMCAD System   | Air Logic   | Air Logic   | Air Logic   |
| <b>CA or CT</b>                    | CT - 141 in (3,581 mm)   | CT - 153 in (3,885 mm)  | CA - 112 in (2,840 mm)  | Trailer-Mounted   |
| <b>Comments</b>                    | Best compromise between turning radius and maximum legal load, ability to add tag axle under pugmill.                            | Allows larger legal weight capacity, ability to add tag axle under pugmill.   | Short wheelbase, allows maneuverability.  | Long wheelbase and multiple axles for maximum weight capacity.  |
| <b>Operator Station Placement</b>  | Height of truck frame  | Height of truck frame   | Height of truck frame   | Height of truck frame   |
| <b>Comments</b>                    | Allows tag axle under pugmill.   | Allows tag axle under pugmill.  | Allows tag axle under pugmill.  | Allows tag axle under pugmill.  |
| <b>Optional Tag Axle Placement</b> | One tag axle before drivers, one tag axle after drivers.   | Two tag axles before drivers, one tag axle after.   | One tag axle after driver axle.   | Two fixed axles, up to two or more tag axles.   |
| <b>Tag Axle</b>                    | Recommended  | Recommended   | Recommended   |   |
| <b>Length</b>                      | 22.75 feet (6,934 mm)  | 24.7 feet (7,520 mm)  | 19.0 feet (5,790 mm)  | 31.5 feet (9,600 mm)  |
| <b>Width</b>                       | 8.25 feet (2,520 mm)   | 8 feet (2,440 mm)   | 8 feet (2,440 mm)   | 8 feet (2,440 mm)   |
| <b>Height (Above frame)</b>        | 6.3 feet (1,930 mm)  | 6.3 feet (1,930 mm)   | 6.3 feet (1,930 mm)   | 6.3 feet (1,930 mm)   |
| <b>Empty Weight</b>                | 13,600 lbs (6,360 kg)  | 14,500 lbs (6,580 kg)   | 12,200 lbs (5,540 kg)   | 15,500 lbs (7,030 kg)   |
| <b>Front Axle</b>                  | 20,000 lbs (9,070 kg)  | 20,000 lbs (9,070 kg)   | 12,000 lbs (5,400 kg)   | N/A   |
| <b>Rear Axle Capacity</b>          | 52,000 lbs (23,587 kg)   | 46,000 lbs (21,000 kg)  | 23,000 lbs (10,500 kg)  | 75,000 lbs (34,100 kg)  |

**NOTE:** Specifications and features subject to change without notice. Bergkamp offers a full range of options and custom models to meet your specific needs.