



R5 Power Unit

Be a Railblazer.

The Brandt R5 Power Unit is the most powerful rail car mover with industry-leading versatility to carry out various tasks, including Maintenance of Way, Revenue Service, and Emergency Response. Do it ALL with the most powerful and versatile highway-capable railcar hauler on Earth. Pull heavier loads up steeper grades then switch to the road in a flash, DOT-compliant. You and the R5 make it look easy.

① Safety First

Safety is job one for the R5. Multiple features ensure a secure working environment for the operator:

- New Peterbilt chassis delivers better visibility day and night, with fewer blind spots, backlit controls and infrared cameras.
- Hydraulic systems have integral counterbalance valves in cylinders and the crane swing motor has a static brake and hydraulic lock protecting from unwanted motion in case hose ruptures.
- Configurable system information is safely presented to the operator via the main dash display alongside other critical truck information. All system information is there at a glance.

② Increased Productivity

The Brandt R5 Power Unit's versatility on and off the road is purpose built to keep customers productive and efficient:

- Capable of producing up to 605 hp, 2050 ft lbs, and 50,000 lbs of tractive effort.
- Power and torque are delivered by an off-road transmission and tridem drive axles, capable of highway speeds of up to 65 mph and on-rail speeds of 30 mph and 25 mph in reverse.
- Tractive effort is controlled at the push of a button to suit changing track conditions by adjusting the shelf coupler and weight distribution between rail and drive wheels.
- Combining pulling power with the dedicated Tie Crane or OTM working deck maximizes your material management needs.

③ More Uptime

The R5 is designed with uptime in mind. Reliability and serviceability have been engineered into every aspect of the machine to allow operation in all conditions:

- Switch between road and rail in under 3 minutes.
- Improved operator feedback delivering data on fluid levels, temperatures, and current tractive effort needs.
- Simplicity of electric, tractive effort settings, and pneumatic routings reduces corrosion points, troubleshooting and repair times.
- Greater maintenance point access reduces the time needed during regular service intervals.

Powerful Value. **Delivered.**



R5 POWER UNIT SPECIFICATIONS

BASE UNIT KEY SPECIFICATIONS

Vehicle Chassis	Peterbilt 567
Fuel Capacity	Driver Side: 120 USG, Passenger Side: 80 USG
Diesel Exhaust Fluid Capacity	24 USG
Engine	15L Cummins ISX15 Diesel, 605 hp, 2050 lb*ft
Transmission and Torque Converter	Twindisc TD-62-1179 Auto Shift Positions: 6 forward/2 reverse/neutral
Axle Ratings	Front: 23,000 lb, Drive: 69,000 lb
Tires	Steer: Bridgestone M864, 425/65R22.5 Drives: Singles: Michelin XZE, 425/65R22.5 Duals: Michelin X Line Energy Coach, 315/80R22.5
Hi Rail	AAR 28" Rail Axle, E-Class (E-28 Wheel Profile), AAR 6x11 Adaptor Bearings AP Roller Bearings
Couplers	Front: AAR Modified Sharon 10-A Rear: AAR Modified Sharon 10-A with Shelf
Operator Interface	Brandt Control System
Auxiliary Air Compressor	Vanair 85 cfm 150 UDHD-EC (under deck, hydraulically driven, electronically controlled)
Locomotive Air Horn	Nathan Airchime P142A, three-tone
Fire Extinguishers	Class A120-B:C, 20 lb extinguisher in passenger-side cabinet P1, 5 lb extinguisher on floor behind driver seat
First Aid Kit	3-person
Crane	Brandt Engineered Crane

CONFIGURATIONS

TIE CRANE MODEL

The Brandt Power Unit Crane Model is a versatile tool suitable for various applications, including MOW. With a heavy lifting capacity of 11,000 lbs at 10 feet, it efficiently handles material handling tasks, while extra storage capacity is available on the deck surface and in the cabinets for track tools. The Tie Crane has a long reach of 28 feet and can lift up to 3700 lbs at 25 feet with a cordless continuous swing bypass type grapple, making it highly productive. The A-frame style outriggers and pedestal frame attached to the R5 Power Unit frame rails provide stability, even with heavy loads. A 30-inch magnet system is also available to handle other materials.

OTM TRACKER MODEL

The OTM Tracker Model powers the OTM Tracker System, a highly productive and safe material handling system for tracks. The OTM Tracker is hauled by a Power Unit on the highway and loads onto railcars at a crossing with the R5's lift deck. It can take on various high-production MOW material handling jobs, such as ties and crossing planks, with a continuous swing bypass grapple. The OTM Tracker with a 48-inch magnet and 10KW generator can manage tie plates, rails, and other OTM materials.

For more information:
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Or visit us at brandt.ca

