



# R5 OTM Power Unit



## Powerful Track Record.

For decades, Brandt Power Units have been the most powerful and efficient at moving railcars, performing maintenance of way, and responding to emergencies. The legacy continues with the R5 OTM, with tractive effort that can be sustained in adverse weather conditions.

### ① Safety First

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

- Switch between road and rail in under 3 minutes, minimizing roadway blockage time and reducing accident risk.
- The lift deck safely hoists the 40,000 lb OTM Tracker for seamless transition onto a railcar gondola.
- Stabilizer clamps and anchoring side pockets on the trailer and lift deck deliver the safest transitioning process.

### ② Increased Productivity

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

- The only road-to-rail mobile units to bridge the displacement and transfer of MOW equipment onto rail gondolas.
- The R5 produces an impressive 51,000 lb of tractive effort capable of pulling up to 3 million lbs on rails.
- Off-road transmission and tridem drive axles deliver power and torque, with highway speeds of up to 65 mph and on-rail speeds of 30 mph and 25 mph in reverse.

### ③ More Uptime

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

- Improved serviceability with greater maintenance point access reducing the time needed during regular service intervals.
- Improved operator feedback delivers data on fluid levels, temperatures, and current tractive effort needs.
- Simplicity of electric, tractive effort settings, and pneumatic routings reduce corrosion points, troubleshooting, and repair times.

# R5 POWER UNIT SPECIFICATIONS

SPEC	
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: 20,000 lb, Drive: 69,000 lb
Tires	<b>Steer:</b> Michelin XZY3, 425/65R22.5 <b>Drives:</b> Singles: Michelin XZE, 425/65R22.5 <b>Duals:</b> 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	<b>Front:</b> AAR Modified Sharon 10-A <b>Rear:</b> 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
Deck Lift Capacity	40,000 lb
Deck Lift Height	68.75"
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

## OTM TRACKER FEATURES

The OTM Tracker Model powers the OTM Tracker System, a highly productive and safe material handling systems for tracks. The OTM Tracker is hauled by the R5 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" magnet and 15 kW generator can manage tie plates, rails, and other OTM materials.

- 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.
- Configurable system information is safely presented to the operator via a large 10" touchscreen display alongside other critical truck information. All system information is available at a glance.
- Traction management has 100% air knives duty cycles and sanders with continuous aeration preventing material buildups.
- Optional hydraulic tank heater for cold weather operation helps improve functionality and protect sensitive hydraulic equipment from damage.

For more information:  
Call us at **1-888-227-2638**  
Email us at **sales@brandt.ca**  
Or visit us at **brandt.ca**

© Brandt Industries Ltd. All rights reserved. The Brandt name and logo are trademarks of Brandt Industries Ltd., used under license. All product information and specifications are subject to change without notification. Printed in Canada. Revised 08/2024-C

