

# RPM40R

## Two Stage Loader-Mounted Snow Blower

▶ Up to 3,750 tons/hour

▶ High-speed ribbon type

▶ High-performance transmission

▶ Tier 4 Final Stage 5 engine

▶ Heavy-duty construction

Sourcewell  
Formerly NAPA  
Awarded Contract  
Contract #080818-RPM



Watch Video



*Actual product may vary from photos due to continuous product enhancement*

**RPM**  
TECH

## Power and Speed

The RPM40R is a two phase, ribbon type snow blower providing an impressive snow-clearing capacity of 3,750 tons/hour. With its 1016 mm (40 in.) diameter ribbon and oversized impeller, the RPM40R can easily manage large snowfalls and major snow accumulations. This self-contained model is designed to be front-end mounted on a medium to large size loader.

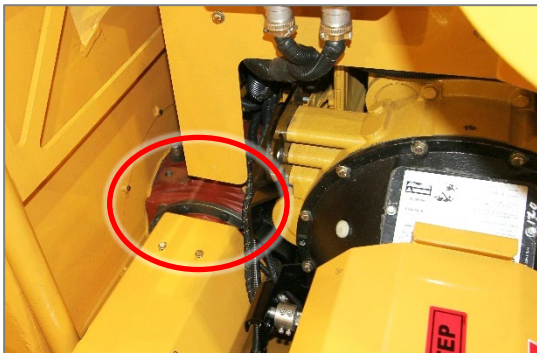
The RPM40R is equipped with an efficient and rugged powertrain. The high-performance transmission system is designed to use maximum engine's power while minimizing energy losses and maintenance.

## A Powerful Engine

The RPM40R is powered by a 279 kW (375 hp) dual certified Tier 4 Final Stage 5 Diesel engine equipped with particle post-treatment technology allowing fast engine recovery.

- Uncompromising performance
- Fuel efficient
- Quiet

# RPM40R



## A High-Performance Transmission

Engineered with as few components as possible, the RPM40R transmission is dependable and transfers maximum power from the engine allowing an outstanding snow-clearing capacity of 3,750 tons/hour. The transmission relies on an oversized gearbox, withstanding hard work and minimizing energy losses.

- Highly reliable
- Optimal power transfer
- Reduce spare parts dependency
- Lower maintenance costs

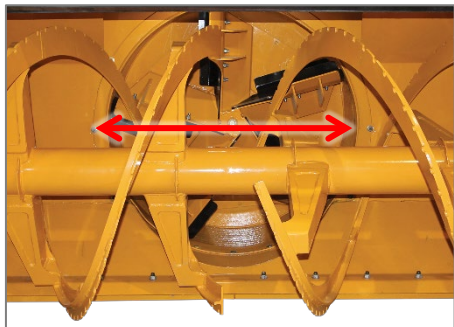


## Chain Drive System

The RPM40R is equipped with a classic roller chain drive system, providing many advantages:

- Proven technology
- Reliable
- Well-known system
- Easy to adjust
- Parts available locally





### An Effective Impeller

With its large impeller casing featuring an unrestricted intake of 1046 mm (41 3/16 in.) in diameter, more snow is fed to the impeller blades thus better productivity.

- Blows a higher volume of snow
- Makes full use of engine power



### The Most Rugged Frame

The triangular frame design composed of four (4) oversized beams, two (2) on each side, maintains the structure integrity during hard work and makes it more resistant to impacts. RPM Tech's snow blowers are built to last!



### Emergency Clutch Engagement

In the event of a clutch failure, a lever allows for its manual activation to let you finish the job.

### Easy Maintenance

The tilt-up engine cowling, swing doors grease zerks, and well-thought-out mechanical design provide easy access to main components or parts requiring regular maintenance, such as:

- Oil and fuel filters
- Hydraulic oil tank
- Radiator
- Shear bolts
- Gear box



Optional color screen

### Intuitive Operation

The large display screen gives the operator a fast read of the blower's operating parameters. An easy-to-use joystick controls all functions.



### The RPM40R is ideal for:

- Municipalities
- National park roads
- Mountain passes
- Regional airports

### RPM Tech Advantages

- Proven performance and service life
- Designed for extended periods of hard use
- Heavy-duty construction resists deformation
- Engine application audited and approved by Caterpillar®
- Weather-resistant electrical components
- More than 55 years of experience designing and manufacturing snow-removal equipment

# Summary Technical Specifications – RPM40R

Up to 3,750 tons/hour capacity<sup>1</sup>

Casting<sup>1</sup>: Up to 46 m (150 ft)

Clears fresh, heavy, and hard-packed snow

## DIMENSIONS AND WEIGHT

- Cutting width: 2946 mm (116 in.) with bolted steering guides
- Overall height: 3556 mm (140 in.) telescopic chute retracted
- Overall length: 2769 mm (109 in.) with bolted steering guides and without coupler
- Working height: 1371 mm (54 in.)
- Weight: 5443 kg (12 000 lb) approx. with full fuel tank, (approx.): without coupler and options

## RIBBON

- One (1) 1016 mm (40 in.) diameter serrated ribbon made of wear resistant and high strength Hardox® steel

## TELESCOPIC CHUTE

- Adjustable working height: from 3530 to 3988 mm (139 to 157 in.)
- Casting distance<sup>1</sup>: From 1 to 16 m (3 to 50 ft)

## IMPELLER AND IMPELLER CASING

- 1046 mm (41 3/16 in.) diameter oversized impeller
- Five (5) bolted concave blades
- Impeller casing:
  - Diameter: 1054 mm (41 1/2 in.)
  - Depth: 397 mm (15 5/8 in.)
  - Volume of 337.9 liters (91.5 usgal)
  - 145° rotation allowing side casting on either side
- Casting<sup>1</sup>: Up to 46 m (150 ft) through the impeller housing chute

## ENGINE

- 279 kW (375 hp) C9.3 Caterpillar® dual certified Tier 4 Final Stage 5, turbocharged Diesel engine
- Winter starting aid: 1000 W block heater and glow plugs

## TRANSMISSION

- Roller chain drive system with oil bath
- One (1) heavy-duty spiral bevel gear box
- Two (2) drive shafts providing power to the ribbon and impeller
- Two (2) sets of shear bolt protect the gear box and transmission shaft

## CLUTCH

- Twin Disc® clutch, actuated by cabin controlled hydraulic cylinder
- Greasing system easily accessible

## FUEL TANK

- 380 L (100 gal) steel tank

## FIXED BOLTED STEERING VANES

- Height: 1848 mm (72 3/4 in.)

## CHASSIS

- Fully welded, sturdy steel construction

## ELECTRICAL SYSTEM

- All electrical components are in a waterproof box

## CONTROLS AND INSTRUMENTATION

- Heavy-duty Sauer Danfoss PLUS+1 control system
- High resolution LCD grayscale display screen
- Joystick with integrated functions and ignition key switch

## SKATES AND SCRAPER BLADES

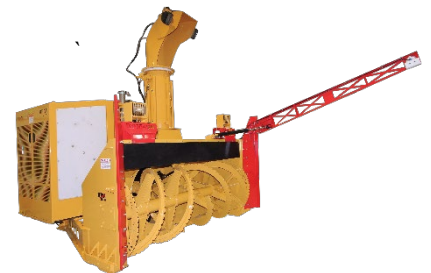
- Ten (10) Trimay® skates totalizing 5426 cm<sup>2</sup> (841 in<sup>2</sup>) of wear surface
- Two (2) QT100 steel reversible scraper blades

## ACCESSORIES INCLUDED

- DEF tank heater

## OPTIONAL EQUIPMENT (SHORT LIST)

- Wireless remote control system
- Arctic lubrication kit for constant temp. below -25°C (-13°F)
- Battery and/or hydraulic oil heater
- Work and/or chute lighting (LED or halogen)
- Carbide bottom cutting edge
- Complete female quick coupler system
- Foldable guiding arm for loading trucks (featured below)



Tenco inc. reserves the right to modify or discontinue any design, specifications, characteristics, model, or accessory without notice.

<sup>1</sup> Depending on snow conditions

Contact your representative for full details



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