

# RPM217

## Two Stage Loader-Mounted Snow Blower

- ▶ Up to 1,800 tons/hour
- ▶ Telescopic and side chutes
- ▶ Reliable, high-performance transmission
- ▶ Tier 4 Final fast-response technology
- ▶ Ultra-sturdy construction

Sourcewell   
Formerly NJPA

Awarded Contract

Contract #080818RPM



**RPM**  
TECH

## Performance and Reliability Combined

The RPM217 is a two phase loader-mounted snow blower for medium size wheel loaders. This self-contained model provides desirable performance and better reliability than other available blowers of similar size. The RPM217 is ideal for midsize municipalities and regional government to clear streets, roads, parking lots, and airfields.

The RPM217 is equipped with an efficient powertrain providing an effective snow-clearing rate of 1,800 tons/hour. The high-performance transmission system is designed to use the Tier 4 Final engine's full power while minimizing energy losses and maintenance.

### A Dynamic Engine

The RPM217 is powered by a 129.4 kW (174 hp) Tier 4 Final Diesel engine equipped with particle post-treatment technology allowing fast engine recovery.

- Effective performance
- Fuel efficient
- Quiet



### A High-Performance Transmission

Designed with as few components as possible, the RPM217 transmission is very reliable and transfers maximum power from the engine. The transmission includes a single gearbox, which minimizes energy loss. Most blowers on the market have as many as three gearboxes and thus require a more powerful engine to compensate for performance.

- Highly reliable
- Optimal power transfer
- Fewer critical parts
- Low maintenance costs



### Chain Drive System

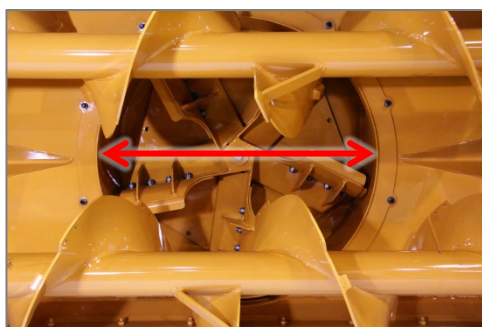
The RPM217 is equipped with a classic chain drive system, providing many advantages:

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

## RPM217



Featuring optional hydraulic steering vanes



### An Effective Impeller

With its large impeller casing featuring an unrestricted intake, more snow is fed to the impeller blades thus better productivity.

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



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.

### Easy Maintenance

The tilt-up engine cowling, swing doors 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



### Emergency Clutch Engagement

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



### The Most Rugged Frame

The triangular frame design composed of two (2) oversize beams 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!



The RPM217 is ideal for:

- Municipalities
- Snow removal contractors
- Regional airports
- Railway companies

### RPM Tech Advantages

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



# Summary Technical Specifications – RPM217

Up to 1,800 tons/hour capacity<sup>1</sup>

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

Clears fresh, heavy, and hard-packed snow

## DIMENSIONS

- Cutting width: 2795 mm (110 in.)
- Overall height: 3277 mm (129 in.), telescopic chute retracted
- Overall length: 1984 mm (78 1/8 in.) without steering vanes and female coupler
- Working height: 1270 mm (50 in.)
- Weight: 3674 kg (8100 lb) approx. with DEF and fuel tanks filled

## AUGERS

- Two (2) interchangeable 432 mm (17 in.) diameter full flight augers welded in one piece

## IMPELLER AND IMPELLER CASING

- 842 mm (33 1/8 in.) diameter impeller
- Five (5) bolted concave blades
- Impeller casing:
  - Inside diameter: 854 mm (33 5/8 in.)
  - Intake diameter: 840 mm (33 1/16 in.)
  - Depth: 262 mm (10 5/16 in.)
  - Hydraulically activated with a worm gear
  - 135° rotation
- Casting<sup>1</sup>: Up to 46 m (150 ft) through the impeller housing chute

## STANDARD TELESCOPIC CHUTE

- Adjustable height from 3175 to 3937 mm (125 to 155 in.)
- Extension: 762 mm (30 in.) hydraulically activated
- Rotation: 300° minimum
- Casting<sup>1</sup>: Up to 12.2 m (40 ft)

## ENGINE

- Certified 129.4 kW (174 hp) Caterpillar® Tier 4 Final, turbocharged Diesel engine.
- 600 W block heater

## FUEL TANK

- 175 L (46 gal) steel tank

## TRANSMISSION

- Chain transmission system with oil bath
- Twin Disc clutch
- One (1) gear box
- Two (2) shear bolt assemblies protect the gear box and transmission shaft.

## CHASSIS

- Fully welded sturdy steel construction

## FIXED STEERING VANES

- Height: 1876 mm (73 7/8 in.)

## ELECTRICAL SYSTEM

- Sealed 12 V, 100 A alternator
- Two (2) maintenance-free type 31-2250 CCA batteries

## CONTROLS AND INSTRUMENTATION

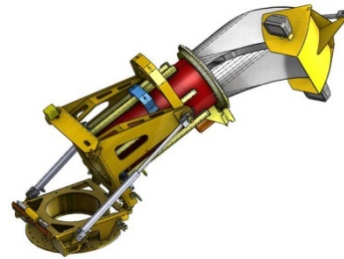
- Heavy-duty Sauer Danfoss PLUS+1 control system
- High resolution LCD grayscale display screen
- Joystick with integrated functions

## SKATES AND SCRAPER BLADES

- Six (6) steel skates for a total of 3781 cm<sup>2</sup> (586 in<sup>2</sup>)
- Two (2) 44W steel reversible scraper blades

## OPTIONAL EQUIPMENT

- 2946 mm (116 in.) cutting width steering vanes
- Hydraulic steering vanes
- LCD color display screen
- Arctic lubrication kit for constant temp. below -25°C (-13°F)
- Battery and/or hydraulic oil heater
- Bolted-on ice breakers
- Non-reversible carbide scraper blade
- Complete female quick coupler system
- Bolted Racor filter with heating water separator
- Wireless remote control system
- Wireless remote engine emergency stop system
- Working floodlights on chute and/or body
- Inclinable hydraulic tilt chute for easy unclogging



RPM Tech Inc. reserves the right to modify or discontinue any design, specifications, characteristics, model, or accessory without notice.

Contact your representative for full details



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