

RPM215

NJPA AWARDED
CONTRACT

Contract # 080114-RPM



In the background, an RPM227 snow blower in action in the Andes at Tudcum, Argentina.



**TWO STAGE DUAL AUGER
DETACHABLE SNOW BLOWER
FOR BACKHOES AND
COMPACT LOADERS**

WHAT MAKES US STAND OUT AND GIVES US A HEAD START

HEAVY DUTY CONTROL AND DISPLAY SYSTEM PLUS +1 FROM SAUER DANFOSS

- A controller using a multiplex CAN communication.
- High resolution grayscale LCD display of 2 in. x 4½ in.
- A 4-button CANBUS joystick with all functions integrated.
- One key ignition switch.
- Two-page display of the following information: engine revolution (rpm), engine oil pressure (psi), engine coolant temperature (°F), system voltage (V), engine load factor, fuel level, engine hour meter, engine alarm lights, clutch engagement light, work lights state, and detailed textual description of errors.
- Visual and audible alarms: low engine oil pressure light, high engine temperature light (air and coolant), low charge voltage light, system error light, low fuel level.
- Visual alarm only: starting aid, drum lock state, maintenance lamp.
- Service menu allows:
 - ♦ Configuration of the clutch
 - ♦ Configuration of the joystick
 - ♦ Setting of the language (English or French)
 - ♦ Reading of stored engine codes
 - ♦ Creation of a password to protect the configurations
 - ♦ Consultation of the records of the last 15 maintenance dates
- Controls:
 - ♦ Hydraulic operation through joystick control
 - ♦ Engine speed (RPM's) through joystick control
 - ♦ Switch activated clutch engagement on the control board
- An emergency stop switch on the joystick box.

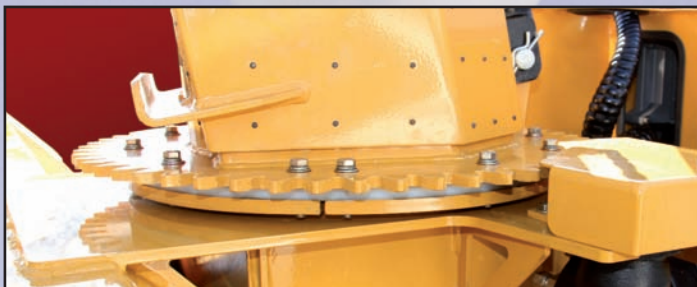


**HIGH RESOLUTION GRAYSCALE LCD DISPLAY AND
PLUS +1 JOYSTICK FROM SAUER DANFOSS**





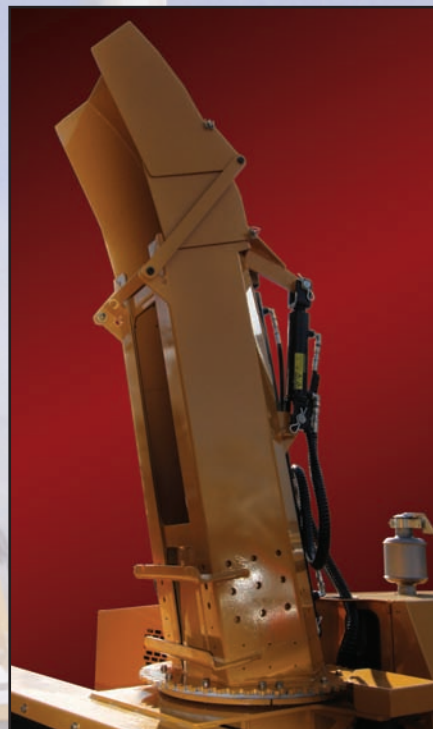
Protective driveshaft covers for safety and security.



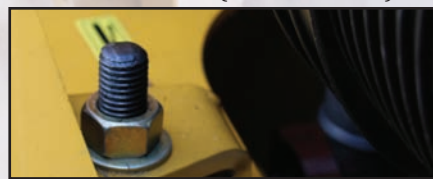
Hydraulic motor and gear driven rotation system. This rigid rotation system utilizes two different materials, steel and UHMW thermoplastic, to prevent friction and wear.



Easy access to components for maintenance.



Standard telescopic chute capable of casting at any adjustable height from 2540 to 3302 mm (100 to 130 in.).



Primary fan belt tension adjustment.

Cat® C4.4 Turbo Diesel Tier 3 engine of 96.5 kW (129 hp).

Ready pierced augers for optional ice breakers.

Quick attach plate receiver with optional welded or bolted.



RPM215 — TECHNICAL SPECIFICATIONS

PERFORMANCE

- Capacity¹: Up to 1300 tons/hour
- Projection¹: Up to 18 m (60 ft)

DIMENSIONS

- Overall working width: 2591 mm (102 in.)
- Overall height: 2565 mm (101 in.)
- Working height: 1071 mm (42 in.)
- Overall length: 1956 mm (77 in.) max. without female coupler
- Weight: 2314 kg (5100 lb) approx. (with all liquids and fuel tank full)

AUGERS

- Drive: Mechanical
- Diameter: Two (2) interchangeable 381 mm (15 in.) diameter open flight augers welded in one (1) piece

IMPELLER

- Impeller:
 - ♦ Five (5) replaceable concave impeller blades made of 6 mm (¼ in.) CHT 100 steel
 - ♦ Diameter of 851 mm (33 ½ in.)
 - ♦ Impeller casing depth of 321 mm (12 ⅝ in.)

FRAME

- Fully welded construction
- The frame is made of a triangular design to allow an optimal distribution of the effort from the front end of the snow blower to the quick attach

OPTIONAL FIXED STEERING VANES

- Working height: 1283 mm (50 ½ in.)
- Working width: 2794 mm (110 in.)

STANDARD TELESCOPIC CHUTE

- Diameter: 330 mm (13 in.)
- Sections: Two (2) vertical sections, one (1) directional section and two (2) flexible sections
- Extension: 812 mm (32 in.) hydraulic extension to allow the loading chute to cast at any adjustable height from 2540 to 3302 mm (100 to 130 in.)
- Rotation: 282°
- Projection¹: Up to 18 m (60 ft)

ENGINE

- Power: Cat® C4.4, 96.5 kW (129 hp) electronic Turbo Diesel Tier III engine
- Block heater: 1000 W
- Engine cowling: Made of aluminum

¹Depending on snow conditions.

FUEL TANK

- Type: Steel
- Capacity: 92 L (24.3 gal)

HYDRAULIC SYSTEM

- Type: Hydraulic pump of 23 L/min (6 US GPM) directly mounted on engine auxiliary drive
- Capacity: 9 L (2.4 gal)

ELECTRICAL SYSTEM

- Alternator: 12 V, 115 A, sealed
- Batteries: One (1) type 31 - 1125 CCA, maintenance free

DRIVELINE SYSTEM

- Clutch: Twin Disc, model SP-111
- Type: Belt and gear driven (without oil) with a spiral reduction bevel gear box
- Safety mechanism: Two (2) sets of shear bolts protect the impeller and the augers

INSTRUMENT PANEL AND CONTROLS

- Model: Heavy duty control and display system PLUS +1 from Sauer Danfoss
- Controls:
 - ♦ One controller using a multiplex CAN communication
 - ♦ One high resolution grayscale LCD display of 2 in. x 4 ½ in.
 - ♦ One joystick with integrated functions
 - ♦ One key ignition switch
 - ♦ One emergency stop button on the joystick box

SKATES AND SCRAPER BLADES

- Quantity:
 - ♦ Two (2) external skates
 - ♦ Two (2) internal skates
- Type: 44W steel skates
- Blade: Two (2) reversible 44W steel scraper blades

OPTIONAL EQUIPMENT

- 256 color LCD screen of 3 ⅞ in. x 5 ¾ in.
- Bolted ice breakers on the augers
- Fixed steering vanes
- Wireless control system
- Wireless emergency engine shutdown system

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