

# HS300

NJPA AWARDED  
CONTRACT

Contract # 080114-RPM



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



**SINGLE STAGE  
ROTARY FAN TYPE  
DETACHABLE SNOW BLOWER**

# HS300 – TECHNICAL SPECIFICATIONS



## PERFORMANCE

- Capacity<sup>1</sup>: Up to 3000 tons/hour
- Projection<sup>1</sup>: Up to 30 m (100 ft)

## DIMENSIONS

- Overall width: 2667 mm (105 in.)
- Overall height: 3734 mm (147 in.)
- Working height: 1905 mm (75 in.)
- Weight: 5044 kg (11,120 lb) approx.

## IMPELLER

- Diameter: 1740 mm (68 ½ in.)
- Blades: Six (6) blades, 6 mm (¼ in.) thick
- Rotation: 150° total
- Projection<sup>1</sup>: Up to 30 m (100 ft)

## STANDARD HYDRAULIC STEERING VANES

- Height: 2273 mm (89 ½ in.)

## STANDARD TELESCOPIC LOADING CHUTE

- Inside diameter: 381 mm (15 in.)
- Sections: Two (2) vertical sections, one (1) directional section and one (1) flexible section
- Extension: 305 mm (12 in.) hydraulic extension to allow the loading chute to cast at any adjustable height from 3734 to 4038 mm (147 to 159 in.)
- Rotation: 300° minimum
- Projection<sup>1</sup>: From 1 to 16 m (3 to 50 ft)

## ENGINE

- Type: 224 kW (300 hp) Turbo Diesel Tier 3 engine
- Block heater: 1000 W

## FUEL TANK

- Type: Steel
- Capacity: 324 L (85 gal)

## HYDRAULIC SYSTEM

- Type: Hydraulic pump of 23 L/min (6 US GPM) directly mounted on engine auxiliary drive
- Capacity: 11 L (3 gal)

## ELECTRICAL SYSTEM

- Alternator: 12 V, 150 A, sealed
- Batteries: Two (2) type 31 - 2250 CCA, maintenance free

## DRIVELINE SYSTEM

- Clutch: Twin Disc, model SP-214
- Gear box: One (1) bevel gear box
- Lubrication: Oil bath
- Safety mechanism: One (1) set of shear bolts protects the fan

## 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 4½ in.
  - ♦ One joystick with integrated functions
  - ♦ One key ignition switch

## SKATES AND SCRAPER BLADES

- Quantity:
  - ♦ Two (2) external skates
  - ♦ Four (4) internal skates
- Type: Carbide skates
- Scraper blades:
  - ♦ Two (2) reversible scraper blades of 10 mm x 152 mm (⅜ in. x 6 in.)
  - ♦ One (1) non-reversible scraper blade of 10 mm x 178 mm (⅜ in. x 7 in.)

## OPTIONAL EQUIPMENT

- 256 color LCD screen of 3⅜ in. x 5¾ in.
- Carbide chrome 60Rc (drum and chute)
- Low coolant level alarm
- Residential Cowl muffler
- Wireless control system
- Wireless emergency engine shutdown system

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

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