

SCHULTE[®]

SDX-117 Snow Blower



- 1** Schulte's SDX-117 incorporates a 38" Five paddle open center cupped style fan which improves performance and is larger than most competitive designs on the market.
- 2** On the SDX-117, a 1000 RPM gear driven drive system is standard. The fan is held in place by a 2" tapered splined shaft. A size 8 Bondioli power shaft is included with shear pin protection to power the blower.
- 3** A Bondioli Italian made 1 piece gearbox drives this unit.
- 4** A heavily reinforced 23" bottom auger with formed struts ensures that hard chunks of snow and ice are fed into the fan with ease. This large open bottom auger also allows the snow blower to cut into hard pack snow where other snow blowers have difficulty.
- 5** A 300 degree rotating chute design includes a UHMW bearing area to reduce freeze up of the chute. The new double deflector design reduces blowback when the chute deflector is placed in the down position.
- 6** Optional gauge wheels with tapered roller bearings are available for highway or pavement use only.
- 7** A hydraulic cylinder for adjusting the chute deflector is standard.
- 8** 3 Position adjustable stake arms.
- 9** Enclosed chain case protects the drive chain from debris.
- 10** Shear bolt protection for the fan & cross auger.

G O N U M B E R O N E . . . G O S C H U L T E !

Features

117" Wide, 38" Five paddle Fan Snow Throwing Performance

The 38" five paddle fan has a unique open centre, cupped blade design that concentrates the snow to the centre of the fan for more efficient snowblowing.

The large 23" bottom auger ensures that the fan is fed correctly and enables the snow blower to break into hard packed snow with greater ease.

The chute rotator is driven by a gear-on-gear system with a hydraulic motor to eliminate cables. The chute will rotate a full 300°.

A double chute deflector is standard and considerably reduces blow back of snow in comparison to single deflectors.

Three position adjustable stake arms on the blower make adjusting easy for various tractor 3pt hook-ups lengths.

A large 2" tapered spline shaft on the fan allows for more trouble free operation than a shaft and keyway design.

Auger struts are formed at 90 degree angles for added strength and to better feed the snowblower's fan.

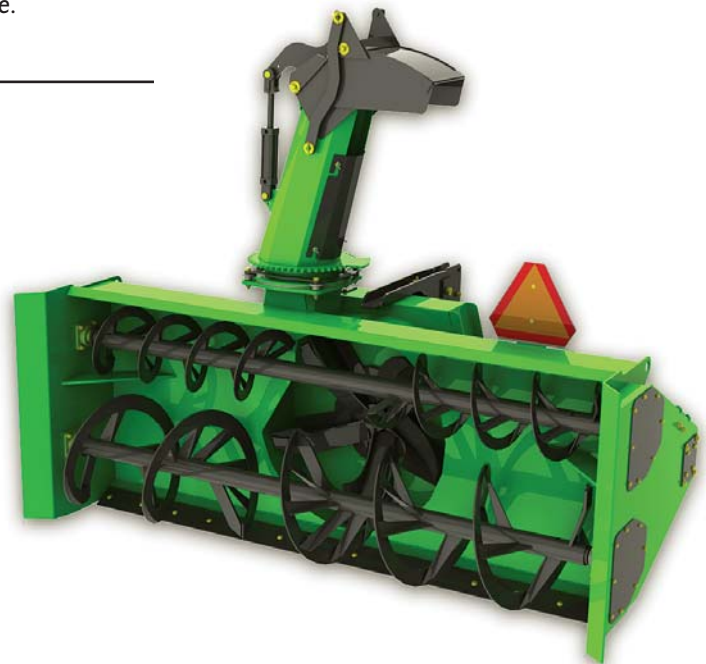
On hydrostatically driven tractors less horsepower is required than the 140 - 220 HP recommended for conventional tractors.

The SDX-117 drum is made of Hardox 450 which has a hardness of 450 BHN or 48 Rockwell C. This drum is very hard and is very resistant to abrasion from rocks, gravel and other debris. It will provide a long and trouble free life.



Truck Loading Chute

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- 3 Gear Parallel Reducer Box input shaft can be relocated to accommodate non-conventional pto rotation
 - Italian designed and manufactured 1 piece gearbox
 - Double chute deflector
 - Gear driven hydraulic chute rotation mechanism
 - Reversible cutting blade
 - Adjustable skids
 - 2" tapered splined fan hub and shaft
 - Adjustable stake arms
 - Size 8 Bondioli Driveline
 - Park stand



Quality • Service

SDX-117

Features



The heart of these Snow Blowers is the 5 paddle open center, cupped blade design fan that concentrates snow to the center & back of the fan resulting in improved performance.



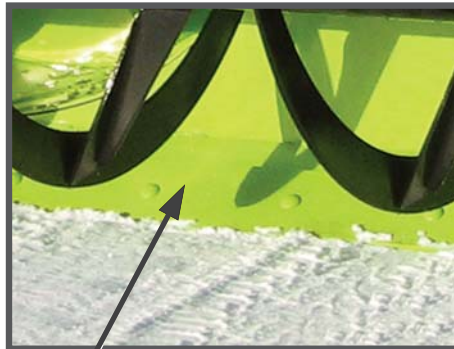
Open auger design with formed struts. The SDX-117 use a 23" bottom auger & 14" top auger. This type of design cuts into hard packed snow & feeds the fan with ease.



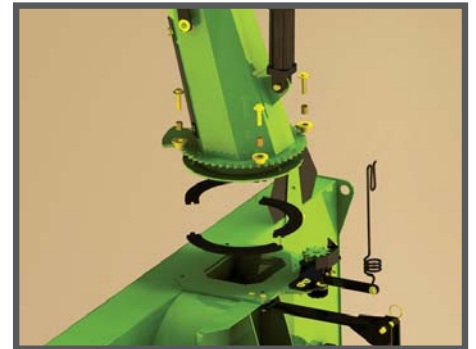
A double chute deflector with a standard 2" x 6" cylinder reduces blow back considerably when in comparison to single deflectors.



A gear driven 300 degree hydraulic chute rotator comes standard with a 7.3 cubic inch hydraulic motor.



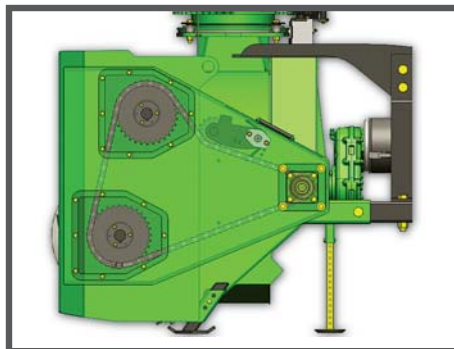
High grade steel bolt in replaceable cutting blade is standard and gives many years of trouble free cutting performance.



A high molecular UHMW bearing area keeps freeze ups to a minimum in the coldest weather conditions.



Adjustable replaceable skid shoes are set close to the cutting blade for better ground following. Gauge wheel with tapered roller bearings are optional for use on pavement or cement.



Drive chain, sprockets and tensioner shown in the enclosed chain case. The enclosed chain case eliminates snow build up on sprockets and chain extends life of the drive system.



Enclosed chain case with spring tension tightener for idler sprocket maintains constant tension on the auger drive chain & reduces chain wear and possible freeze ups.

Value • Trust

SDX-117 Specifications

SPECIFICATIONS

Cutting Width	117" (2.97m)
Tractor Horsepower	140 - 220 HP (104 - 164 KW)
Cutting Height	45 1/2" (1.15m)
Overall Height	100" (2.54m) (With HD Chute)
Auger Diameter - Bottom	23" (58.4cm)
Auger Diameter - Top	14" (35.5cm)
Fan Diameter	38" (96.5cm)
Fan Type	5 paddle
Fan Shaft Diameter	2" (5.1cm)
Auger Drive Chain	#80
Weight	2750lbs (1247kg)
Adjust. Double Linked Chute Deflector	Standard
Hydraulic Chute Rotation Mechanism	Standard
Replaceable Blade	Standard
Adjustable Replaceable Skid Shoes	Standard
Hitch Size	Cat II & Cat III 3pt and quick hitch
PTO Speed	1000 RPM
Capacity - Dry Snow / Wet Snow	762 tons/hr / 2394 tons/hr

*On hydrostatically driven tractors, less HP is required than the 140-220HP recommended for conventional tractors.



2" tapered splined fan shaft is standard on the SDX-117. Shown in standard up position to work with 3pt tractor.

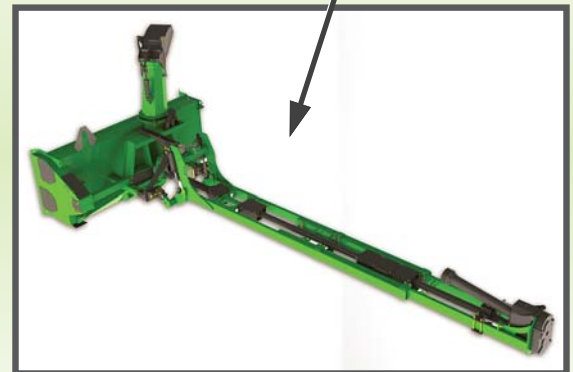


The reduction box can be rotated in the down position to work with the FM300 front mount frame.

SDX-117 OPTIONS

1. 1 3/8" 21 spline or 1 3/4" 20 spline size 8 Bondioli tractor shaft
2. Heavy duty chute with hydraulic cylinder
3. Truck loading chute with hydraulic cylinder
4. Gauge wheels w/tapered roller bearings (For paved or concrete use only)

SPECIFICATIONS	FM-300
Tractor horsepower, maximum	250 HP
Tractor PTO (1000 rpm preferred)	1000 RPM for SDX-117, RDX-102 & SDX-960 540 RPM for SDX-960 and RDX-102
Lift capacity	5000 lbs
Adjustability	Accommodates tractors between 151" and 211" measured from front mount plate to drawbar pin
Nominal ground clearance	13" depending on tractor installation
Nominal lift range	18"
Weight	1650 lbs



A perfect combination for Schulte's SDX-117 is the FM-300 front mount 3pt hitch frame.



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