



## **SWEEP STAR V-72**

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<b>MODEL</b>	<b>72-000 Sweep Star V72 (Big Vac)</b>
<b>POWER</b>	540-RPM Tractor PTO Input Constant Velocity drive shaft from tractor to Big Vac 5 V-Belt drive to vacuum fan Multiple V-belt drive to hydraulic pump 1 1/2" dia. hardened steel blower drive shaft 1 1/2" dia. hardened steel jackshaft Hydraulic power to drive motors on Sweeper-Vac head Hydraulic fluid capacity: 17 gallon (38 liters) Remote lubrication system Minimum 35 hp (26 kW) for 72-002 (Sweep only) operation Minimum 45 hp (34 kW) for 72-001 (Sweep and Verti-Cut) operation
<b>CONFIGURATION</b>	72 Inch (182 cm) Sweeping Width, Self Contained, two wheel, pull type combination sweeper and vacuum for turf and other surfaces. Pull behind an appropriate tow vehicle.
<b>DEBRIS HOPPER</b>	<b>CAPACITY:</b> 7 cubic yards (5.4 cubic meters) <b>CONSTRUCTION:</b> Steel framework. Tapered front to back for easy dumping <b>DUMP:</b> Hydraulic raise/lower of debris hopper and hydraulic open/close of tailgate to dump debris
<b>SWEEPER HEAD OPTIONS (Requires one below)</b>	<b>SWEEPER HEADS</b> , 72 in (183 cm) Operating Width to dislodge debris from ground surface. Hydraulic motor drive from base unit hydraulic system. Full floating heads follow any terrain on (4) Adjustable height 12-600 x 6 pneumatic caster wheels. Hydraulically raises to transport position, lowers to operating position,  <i>One Sweeper Head must be selected:</i> <b>72-001 COMBINATION VERTICUT AND SWEEPER HEAD</b> L-78"(198cm), W- 39"(99 cm), H-18"(46 cm) Steel and scalp roller Verti-Cut Reel 72" wide (183 cm) Hydraulic driven from main pump to drive motor 72 hardened steel flail knives for verti-cutting Sweeper Reel 72" wide (183 cm) Hydraulic driven from main pump to drive motor 4 rows of 6" long fingers, 24 fingers per row Adjustable Height using roller and caster adjustments (4) adjustable caster wheels 12-600x6 pneumatic <b>72-002 RUBBER FINGER SWEEPER HEAD</b> L-78"(198 cm), W-18"(46 cm)-Height-18"(46 cm) Sweeper Reel 72" wide (183cm) Hydraulic driven from main pump to drive motor 4 rows of 6" long fingers, 24 fingers per row Adjustable height using caster adjustments

(4) adjustable caster wheels: 12-600X6 pneumatic

**VACUUM SYSTEM**

34" (86 cm) diameter, 8 blade vacuum fan  
High strength steel vacuum fan housing with replaceable wear-resistant liner  
Clean-out hatch on fan housing connected to sweeper head with flexible air tunnel to remove debris from ground surface and deposit into debris hopper

**DRIVE**

PTO drives hydraulic pump to power sweeper head  
Hydraulic motor and raise and lower tailgate and debris hopper for dumping.  
PTO Belt drives vacuum impeller

**MAIN FRAME**

Tubular steel framework. Mainframe: 6 x 2 x .188 wall. Tongue: 6 x 3 x .188 wall.

**BRAKING**

Relies on tow vehicle brakes  
OPTIONAL: Surge Hydraulic brake Package

**TIRES/WHEELS**

(2) 26.5-1400 x 12 Fairway type turf tires

**INSTRUMENTATION**

Hydraulic open close of debris hopper tailgate  
Hydraulic raise / lower of sweeping mechanism head assembly  
Hydraulic on/off of sweeper / verticut operation

**SOUND LEVEL**

92 dbA

**DIMENSIONS (Inches/cm)**  
(Length-Width-Height)

**180 in (458 cm) – 84 in (214 cm) – 87 in (221 cm)**

**WEIGHT**

3500 lbs (1588 kg)

**LIQUID CAPACITIES**

Hydraulic system oil: 17 gallons (64 liter) steel tank

**SAFETY &  
COMPLIANCE**

Smithco Safety Engineered  
Designed and built in accordance with all acceptable ANSI, CE, ASAE standards

**OPTIONS & ACCESSORIES**

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**72-003** 35 ft. (8m) Hand held vacuum hose  
**72-004** Over the Road Tow Package