



# Manual

GB



## Swath wilter

# SV-2750

Serie nr. 46200001 →

 <b>Fransgård</b>	
<small>Fredbjergvej 132, Denmark-9640 Farsø. <a href="http://www.fransgard.dk">www.fransgard.dk</a></small>	
<b>Model</b>	<b>SV-2750</b>
<b>Kg.</b>	<b>730</b>
<b>KW</b>	<b>45</b>
<b>Serie nr.</b>	
 Made in Denmark	
	

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## LIST OF CONTENTS

## Page

Technical specifications .....	1
Safety Precautions .....	2
Introduction .....	2
Assembling instructions .....	2
Mounting on the tractor .....	2
Starting of the machine .....	3
Lubrication and Maintenance .....	3
Fitting the belt drive .....	4
Power transfer .....	5
Storage of belt drive .....	5
Ordering spare parts .....	6
Storage .....	6
Disposal and destruction .....	6

## TECHNICAL SPECIFICATIONS

Working width .....	2,75m/9'02".
Transport width .....	3,00m/9'8".
Working speed, max .....	8 - 13km/t / 5-8 miles/h
Power requirement .....	60HK / 45kW.
Power take-off .....	540 omdr./min.
Tyre size .....	16,5 x 8" 6Ply.
Weight / without PTO .....	730 kg/1.609 lbs.
Number of double rake tines .....	84 stk.

## SAFETY PRECAUTIONS

It is the owner's responsibility to instruct all equipment operators and support personal in the operation of the machine. Do not operate this machine until the owner's manual has been completely read and understood. New owner's manual is available from your dealer or the factory telephone: +45 98 632122.

All covers and screen must be correctly positioned and checked before the machine is started. It is dangerous to remain in the machine's working area while its working parts are rotating. Keep hands, feet, and clothing away from the power-driven parts! Do not leave the tractor running unattended.

Disengage the PTO and turn the tractor off before you service the machine.

The machine is made to work in hay and straw crops and may not be used for anything else.

The machine may only be operated by qualified operator.

Familiarise yourself with the controls and how to stop the machine and tractor in an emergency.

Do not let children or incapable persons operate the machine. Machine lubrication, adjustment and setting may only take place while machine is not in use and while the power take-off is switched off.

Remove the keys so the tractor cannot be started up accidentally.

Retighten bolts and check adjustments after approx. 5 hours of operation.

Use only original Fransgård spare parts.

## INTRODUCTION:

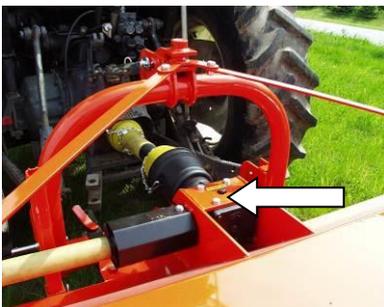
### Assemble instructions

The Swath Wilter model SV-2750 is partly assembled from the factory. All loose parts must be mounted according to the parts drawings later in this manual. Loose part which is not mounted is: 3-point hitch, 2 pieces stabilising parts, 2 pieces rake tines, 2 pieces wheels with brackets, support leg, PTO-cover and 2 pieces swath deflectors.

The gearbox is from Fransgård filled with 1,2 litre SAE 80/90 W oil and need to be checked by the plug at the back of the gearbox before starting to operate (picture 1).

The machine is mounted with 4 pieces V-belts, which is tightened from Fransgård, but need to be checked before operation otherwise retighten (picture 2).

Picture 1



Picture 2



### Mounting on the tractor

The Swath Wilter SV-2750 is mounted on the tractor's 3-point hitch and the PTO is mounted after this. It is very important to check the length of the PTO in both working- and transport-position.

Picture 3



### Starting the machine.

The machine is lowered on the wheels (picture 3) which is adjusted to the needed raking height. Fine adjustment of raking height is done on the top link. The support leg is raised. The swath deflectors are adjusted to proper swath width. By spreading you can dismount the swath deflectors if needed.

Picture 4



The machine can be adjusted to the right/left (picture 4) so the swath is moved to the side.

Never reverse with the tractor and Swath Wilter SV-2750 when the machine is running on its wheels. The best working performance is done by a forward speed from 8 – 13 km/h (5-8 miles/h). Please check rotor- and forward-speed according to the hay/crops and your field conditions.

Picture 5

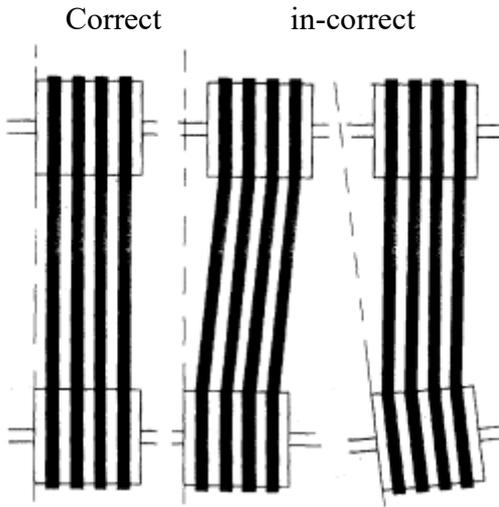


### Lubrication and maintenance

For every 5 hours working the machine's bearings, and stickers (picture 5) and PTO shaft. Retighten bolts, nuts and V-belts at the same. The gearbox is filled with 1,2 litre gear oil SAE 80/90 W and must be checked daily and refilled if needed.

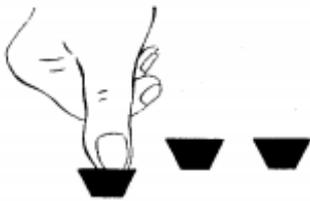
## Fitting the belt drive

The pulleys must be flush, and the shafts must be parallel



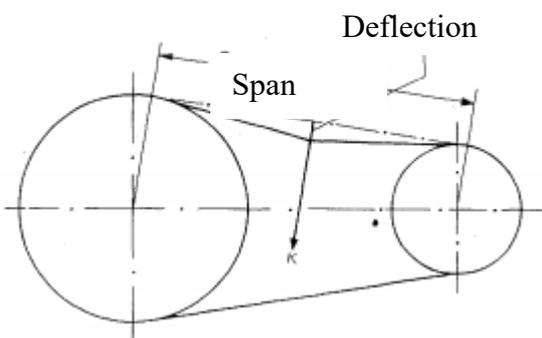
After approx. 10 – 20 min. driving, the V-belt must be retightened, the belts must max. could be pressed 15mm per meter in span. If the belt is defective, it must be replaced. If the belt is new, you must retighten sometimes, this can contribute to the belt lasting longer and you avoid downtime.

The strap must be tightened so much that it feels “alive” when it is set in oscillations with one finger. Tightening the belt destroys the cord and causes unnecessarily high bearing load.



If a closer check of the belt tension is desired, this can be done as follows: The span is measured as shown in the sketch. In the middle of the span, a force  $K$ , perpendicular to the span, is placed sufficient to deflect the belt 15 mm per 1 m span. The deflection force for each V-belt should be within the minimum and maximum force given in the schedule.

The schedule applies to the classics.



Deflection       $K$  (per belt)

Belt profile	$K$ min. Newton	$K$ maks. Newton
Z	3	5
A	6	9
B	12	18
C	25	37
D	48	71
E	95	143

## Power transfer

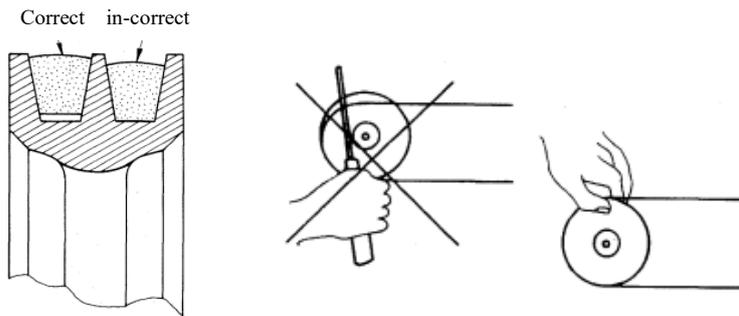
Poor power transfer may be due to:

a. Fitting the belt drive incorrectly.

b. Dirt, oil, grease, paint and rust on belts and pulleys. Oil and grease on the discs can be washed off with mineral spirits, benzene, trichlorethylene, tetra chlorocarbon and the like. Oil and grease on ordinary V-belts will eventually dissolve the rubber. Wipe the straps with a clean cloth, possibly with a little turpentine or similar.

Paint and rust on the pulley can be removed with emery cloth. The disc should preferably rotate, possibly clamped in a lathe during trimming.

c. The belts / pulleys are worn so that the belts go to the bottom of the tracks. If the pulley is shiny in the track bottom, this is probably the problem.



d. The belt record has been damaged due to:

Tightening of the belts.

New and used belts in the same pull or attachment with a screwdriver.

New belts should not be used in sets with used ones, as the results is that the new belts wear quickly due to uneven distribution of the load.

The belt must never be forced over the pulleys, e.g., application with screwdriver. Instead, the centre distance is reduced or the tension roller is relaxed so that the belt can be applied by hand.

## Storage of belt drive.

When machines are left for a long time with tightened belt drives and in a humid environment, the following happens:

a. The pulleys rust and cause: That the belt wears up due to rust.

b. The belts are shaped according to the discs and at start-up may run with the inside out or burst.

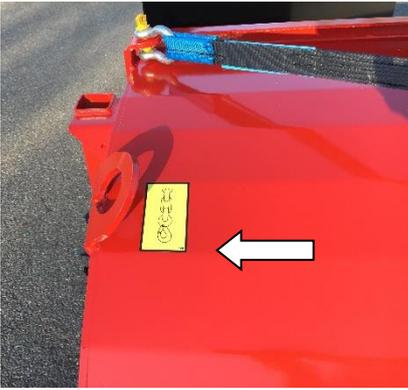
c. The bearing may be damaged due to the tightening.

## It is therefore appropriate:

To remove the straps and put them in a dry and cool place. When hanging, this must be done on a bow or similar, never on a nail.

To rust protect the pulley with special grease or oil.

Picture 6



### **Storage.**

Before the machine is stocked for the winter, the machine must be cleaned and greased properly. V-belts must be loosened, and swath deflectors must be dismantled (take less space). The machines are equipped with a lifting eye (picture 6) in each side for lifting and storage.

### **Ordering spare parts**

When you order spare parts please inform the following:

1. Type of machine (SV-2750) and serial no.
2. Spare part number, maybe dimension and number of parts.

### **Disposal and destruction.**

When the machine can no longer be used, it is the owner's responsibility that the machine is disposed of in a safe manner, oil, plastic, metals etc. Must be destroyed or sent for recycling, in accordance with the laws and regulations of that country.

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# EC Declaration of Conformity

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19. november 2025

## Manufacturer

*Name:* Fransgård Maskinfabrik A/S  
*Address:* Fredbjergvej 130, Fredbjerg  
DK 9640 Farsø  
*Country:* Danmark  
*Telephone:* +45 98632122

**which itself brings together the technical file**

**hereby declare that**

## Product

*No.:* SV-2750  
*Name:* SV-2750 Strengvender  
*Type:* SV-2750 Strengvender  
*Serial no.:*  
*Company Name:*

*is in conformity with*

Directive 2006/42/EC of the European Parliament and of the Council of 17  
May 2006 on machinery

*Position:* Udviklingschef  
*Name:* Bjørn V. Kristensen  
*Company Name:* Fransgård  
Maskinfabrik A/S

*Bjørn V. Kristensen*

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Date

Signature







**Fransgård**