

Operating Manual

Fan

RV 2800



Perfection is our aim.



EC – Declaration of Conformity

in sense of EC machine directive 2006 / 42 / EWG

Type of the machine

Fan

Description:

RV 2800

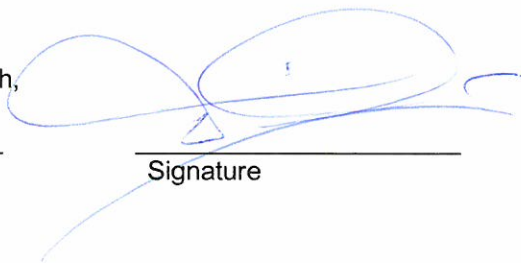
is designed, constructed and manufactured in accordance with the above-mentioned directive and low voltage-directive 2006 / 95 EWG.

The following harmonized standards have been used:

- EN 60335-1 Safety of electrical machines
- EN 60335-2 Safety of electrical machines

Mönchengladbach,
10.10.2016

Place, Date



Signature

Managing Director

Title

Introduction

This manual describes the handling of the Wilms Fans.

Attention!!!

It is the responsibility of the operator to read and understand this service manual and to use the correct operation procedure.

Read the entire manual before the initial start-up of the machine. It is important to know the correct operating procedure for the unit and all safety precautions to prevent the possibility of property damage and/or personal injuries.

Contents:

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General:

- Introduction:** This section will give you a description of the machine and the function.
- Target Group:** The target group for this service manual is the technicians who install, maintain and exchange parts on the units.
- Copyright:** Copying of this service manual, or part of it, is forbidden without prior written permission from Hans Wilms GmbH & Co. KG - Erftstrasse 34 - 41 238 Mönchengladbach.
- Reservations:** Hans Wilms GmbH & Co. KG reserves the right to make changes and alterations to the product and the service manual at any time without prior notice or obligation.

Safety Instructions!

All appliances have been checked for material, function and quality before delivery.

The appliances may nevertheless cause harm if they are used by nonauthorized persons in an inappropriate way, or if they are used not in accordance with this manual.

The following notes are strictly to be observed:

1. The appliances must not be operated in rooms where there is danger of explosion.
2. The appliances must not be operated in rooms where the air contains oil, sulphur, chlorine or salt.
3. The appliances must not come into direct contact with water.
4. The air intake and air outlet must always be kept clear.
5. When operating the appliances must not be covered.
6. Never place any object into the appliances.
7. When operating the appliances must not be transported.
8. All electrical cables outside of the appliances must be protected against damage.
9. The unit should never be serviced or cleaned while it is plugged into live electrical power source.
10. Children may not stay near the appliance.
11. Use the appliance only with mounted protective equipment, in order to avoid contact with the fan.
12. Do not hang the fan on ceilings or walls.

Warning: Ignoring these safety precautions may result in serious personal injury.

Operating instructions:

Inspect your unit upon receipt for any freight damages in order to avoid later claims.

Be sure to keep all original packaging. Original packaging will help to protect unit from freight damage upon return.

If you discover any damages during inspection, please contact:
Hans Wilms GmbH & Co. KG - Erftstrasse 34 - 41 238 Mönchengladbach.

The unit is ready to be put in service immediately, connect the plug with the socket.

Place the unit on the ground or on a very stable platform.
Plug the unit into a grounded alternating current circuit and switch the unit on.

Maintenance

Disconnect the unit from the power supply before cleaning or servicing.

Before each use the unit should be inspected for damage, clogged inlet or outlet, or any excess build-up of foreign material.

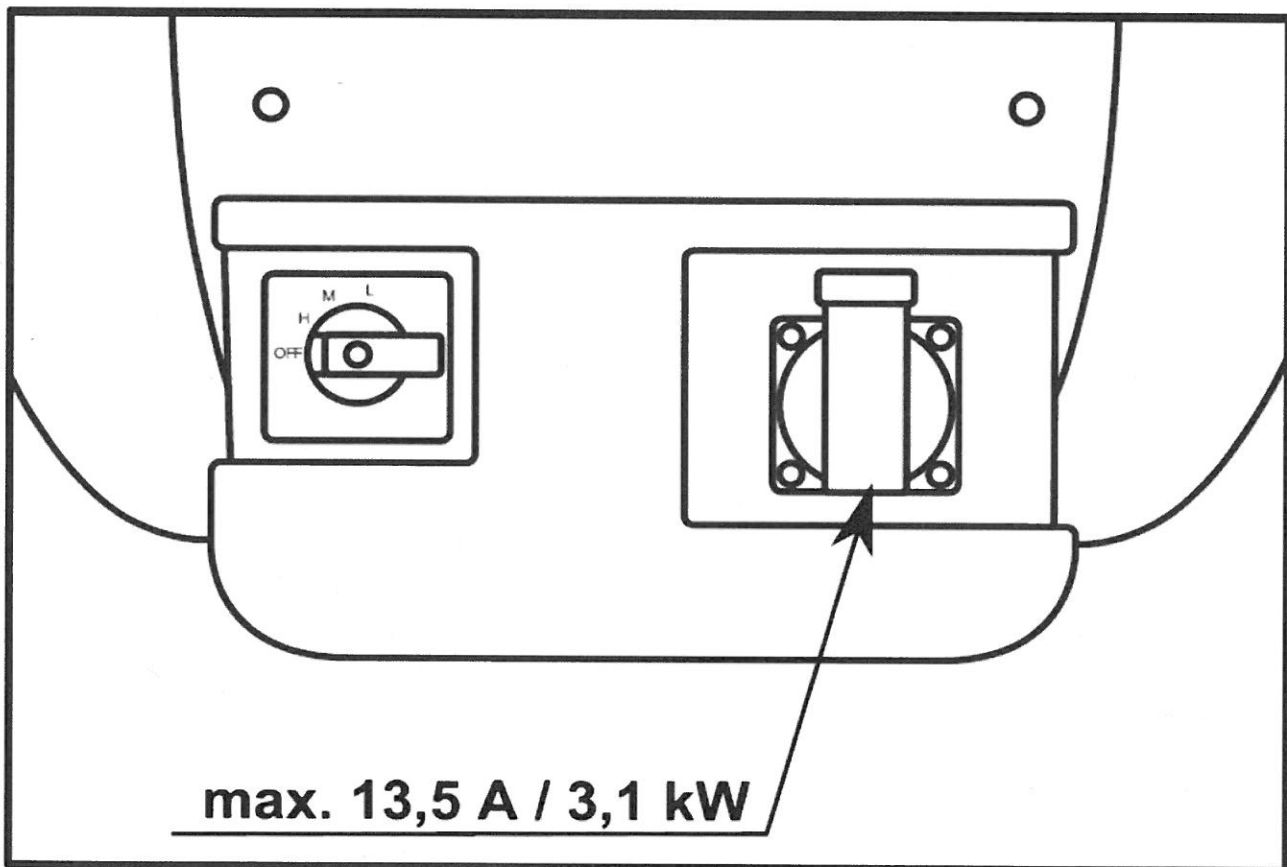
When the unit is first turned on, check for excessive vibration, which could indicate a major problem. If the unit vibrates, it must be carefully checked.

Technical Data:

Type	RV 2800
Voltage	230 V ~
Frequency	50 Hz
Motor	0,56 kW
Current	2,41 A
Levels	3
m ³ /h	1800 m ³
Height mm	475 mm
Width mm	425 mm
Length mm	475 mm
Weight/kg	12 kg
Noise level (EN ISO 11201)	73,5 dB (A)

START:

1. Ensure the control switch is set to the OFF position before connecting the power supply.
2. Connect the mains plug to a suitable 230 V – 50 Hz supply.
3. Switch to requested position.
(H = High, M = Medium, L = Low)



Overheating Protection:

This fan motor is fitted with a thermal overload protection circuit to prevent overheating.

If an overheat temperature is reached the unit will shut off automatically.
Normal operation will resume when the appliance cools down.

MANUAL RESET:

1. Switch to the OFF position.
2. Remove the plug from the mains socket outlet, but do not pull out the cable.
3. Check for obvious reasons that may have caused the appliance to overheat, for example, items placed over the air inlet or outlet.
4. Wait for 15 minutes before re-connecting the appliance to the mains outlet and continue with normal operation.

ELECTRICAL SAFETY:

1. Make sure that the parameters of the power supply are suitable for the operation of the appliance.
2. Extension cable:
It is recommended to use only a short extension cable for the appliance. Extension cable must be suitable for outdoor use.
3. Avoid contact with oils, lubricants, chemicals, hot surfaces or sharp and rough objects.
4. Disconnect the cable from the power supply before any cleaning and maintenance work.

All repairs and maintenance must be carried out by authorized service only.

CLEANING:

1. Before cleaning turn the unit off and unplug from the power supply.
2. To clean the machine use a soft cloth to wipe off any dust.
3. If very dirty use a damp cloth and wipe dry. Do not use any cleaning detergents, sprays or other chemicals – as they will damage the unit.
4. Store the unit in a ventilated dry area when not in use.

Trouble Shooting		
Fault	Reason	Solution
Fan works very slowly.	Wrong power supply. Damaged cable. Motor / Switch is defective.	Check cable and socket. Check wether switch is in off-position.
Low airflow.	Air inlets are contaminated.	Clean air inlets.
Fan switches off fuse.	Extension cable too long. Correct power supply parameter.	Adjust the length of the cable. Connect the appliance to the correct circuit.
Strange noises.	Fan of the appliance is not in the correct position.	Contact service.

Spare Part List RV 2800

<u>Pos.</u>	<u>Order-No.</u>	<u>DESCRIPTION</u>	<u>Qty.</u>
1	8003216	Screw	12
2	8003301	Switch	1
3	8003302	Knob	1
4	8003303	Strain Relief Bushing	1
5	8003304	Power Supply	1
6	8003305	Nut	1
7	8003306	Grid – Air Outlet	1
8	8003307	Motor	1
9	8003308	Housing	1
10	8003309	Rubber Foot	6
11	8003310	Rivet	10
12	8003300	Fan Wheel	1
13	8003311	Grid – Suction Side	2
14	8003312	Socket	1
15	8003313	Plug	1

