



Husqvarna®



**Operator's manual**

# **T-Line Dust Extractor T8600 PROPANE**



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

**US**

# Introduction

Dear Customer.  
Thank you for choosing Husqvarna as your supplier.

We hope that the Husqvarna dust extractor will be to your satisfaction and meet your expectations.

## Notice!

**These instructions are only for the dust extractor T8600 PROPANE.**

**The dust extractor T8600 PROPANE can only be used with dry, non-explosive material.**

**Husqvarna will not be held responsible if the air cleaner is used for other applications or has been used in ways other than those outlined in this instruction manual.**

**Before using the machine, please read the safety regulations carefully.**

**Make sure that you read and understand the instructions for the main product to ensure that you know what personal equipment to wear, what safety equipment to use and how to work in a safe mode.**

**Read the complete instruction manual before using the dust extractor.**

**All spare part used for the dust extractor T8600 PROPANE must be those specified by Husqvarna.**

## Type Plate

 **Husqvarna**

**T8600 PROPANE**



CONFORMS TO UL STD.1017  
CERTIFIED TO CSA STD.  
C22.2 No.243-10

|                    |               |
|--------------------|---------------|
| <b>18 HP</b>       | <b>285 kg</b> |
| ?m <sup>3</sup> /h |               |
| S/n: YYYY WWXXXXX  |               |
| P/n: XXXXXXXXX     |               |

HUSQVARNA AB  
SE-561 82 HUSKVARNA  
SWEDEN

MADE IN USA



### WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

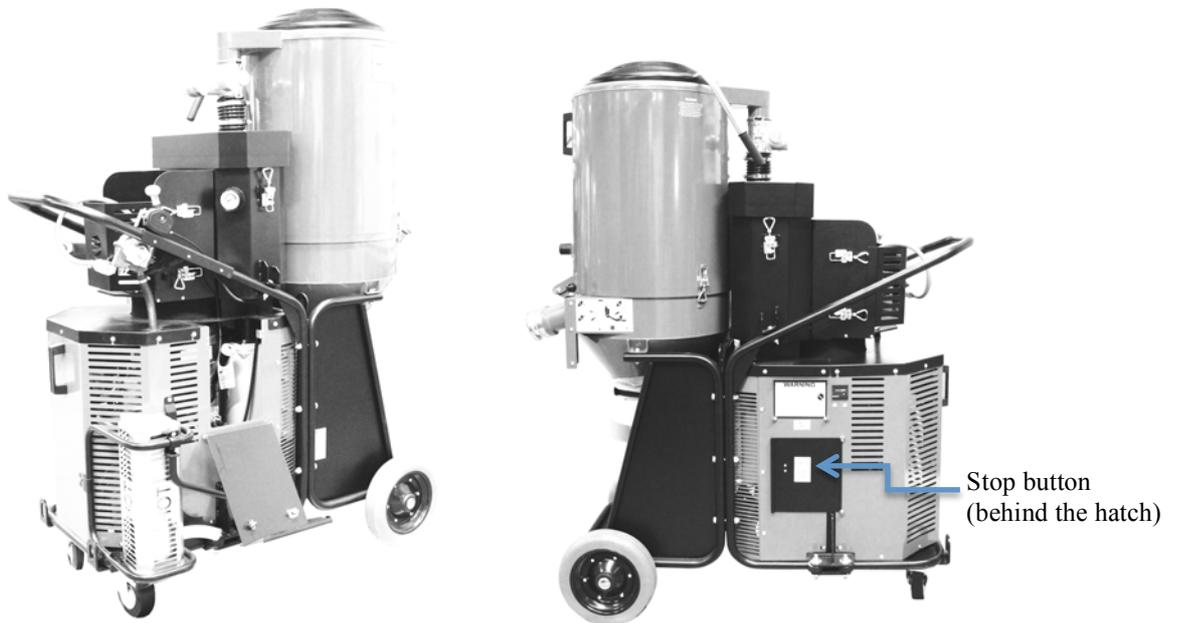
## Unpacking

When unpacking the machine, please check for damage and that that following accessories are included:

- The hose with end fittings
- Steel tube
- Floor nozzle

If any of above-mentioned parts are missing, please contact your local distributor or our sales representative.

## Product overview



## Safety Instructions

### Warning

Cutting, especially when DRY cutting, generates dust that comes from the material being cut, which frequently contains silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Exposure to excessive amount of such dust can cause:

- Respiratory disease (affecting your ability to breath), including chronic bronchitis, silicosis and pulmonary fibrosis from exposure to silica. These diseases may be fatal!
- Skin irritation and rash.
- Cancer according to NTP\* and IARC\*

*\*/ National Toxicology Program, International Agency for Research on Cancer*

Take precautionary steps:

- Avoid inhalation of and skin contact with dust, mist and fumes.
- Wear and ensure that all bystanders wear appropriate respiratory protection such as dust masks designed to filter out microscopic particles. (See OSHA 29 CFR Part 1910.1200)
- Wet cut when feasible, to minimize dust.

### Warning

- Fuel and fuel fumes are highly inflammable and can cause serious injury when inhaled or allowed to come in contact with the skin. For this reason observe caution when handling fuel and make sure there is adequate ventilation.
- The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!
- Do not smoke and do not place any hot objects in the vicinity of fuel

### Warning

- Long-term exposure to noise can result in permanent hearing impairment. Always use approved hearing protection. Listen for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the engine stops.

## Handling

### Warning

- Running an engine in a confined or badly ventilated area can result in death due to asphyxiation or carbon monoxide poisoning.
- Outdoor use or in well ventilated areas only.

### Warning

- Make sure the assembly area is firm, so the dust extractor does not tip over. Risk of personal and material injury.

### Warning

- Risk of pinching when handling the toggle fastener.

### Warning

- The machine must not be used in environments where explosive gases may be present. Serious risk of explosion.
- Sparks may appear and start a fire when you work with the machine. Always keep fire fighting equipment handy.

## Explanation of symbols



## Transportation

### Caution

- During transportation, battery and propane tank must be securely fastened and completely disconnected at all times.

### Caution

- Before operating the vac after transportation, propane tank and battery must be re-connected and correctly assembled.
  1. Battery: Make sure that the wires are firmly connected to the correct terminals (black (-) & Red (+)). Also confirm that the bracket that holds the battery in place is correctly assembled, so that the battery can't move during operation.
  2. Propane tank: Make sure that the tank is firmly held in place by the ex-centric locks and holder plate where the propane tank sits on the back of the vac. It should not be able to move when correctly assembled.

### **WARNING**

**Before cleaning and servicing the machine, you must turn the machine off and disconnect battery and propane tank**

### **ATTENTION!**

**Wait until fan impeller has completely stopped before starting servicing the machine.  
The exhaust will get very hot after running the engine for just a short time**

- Avoid cleaning with a high pressure cleaner. If necessary, do not direct at the openings on the machine, especially the opening for the cooling air.
- Before moving the machine from the working area, the machine must be cleaned. Furthermore, the inlet must be locked using the inlet valve.
- All other equipment must be considered to be contaminated and be treated thereafter.
- If possible, use a special suitable room.
- Proper personnel protective equipment must be used.
- After a service, all parts that are contaminated must be taken care of properly in plastic bags, according to all regulations.
- If the vacuum cleaner has to be used for other purposes, it is extremely important that the vacuum cleaner is cleaned to avoid the spread of hazardous dust.
- Correct distance between clutch plates = 0,5 mm (-0,2 + 0,3)

**Warning**

- Dust can be spread when the coarse filter and the absolute filter are replaced that can be dangerous to health. Accordingly, the user should wear protective glasses, protective gloves, and a breathing mask conforming to protection class FFP3.

**Warning**

- Do not puncture the absolute filter. Risk of dust dispersion.

**Maintenance, service table**

| OPERATION   | INTERVAL    |              |               |                |                |                |                |                |
|---|-------------|--------------|---------------|----------------|----------------|----------------|----------------|----------------|
|   | Daily       | First 8 Hrs. | Every 50 Hrs. | Every 100 Hrs. | Every 200 Hrs. | Every 300 Hrs. | Every 400 Hrs. | Every 500 Hrs. |
| Check & add engine oil  | O           |              |               |                |                |                |                |                |
| Check for loose or lost fasteners   | O           |              |               |                |                |                |                |                |
| Check for oil leakage   | O           |              |               |                |                |                |                |                |
| Inspect fuel hose and connections   | O           |              |               |                |                |                |                |                |
| Clean Enignine dust filter  | O           |              |               |                |                |                |                |                |
| Inspect Throttle & Wire   | O           |              |               |                |                |                |                |                |
| Change Engine Oil   |             | O            | O             |                |                |                |                |                |
| Change engine oil filter  |             | O            |               | O              |                |                |                |                |
| Check & clean primary air filter  |             |              |               | O              |                |                |                |                |
| Check secondary air filter  |             |              |               | O              |                |                |                |                |
| Inspect battery and battery connections   |             |              |               | O              |                |                |                |                |
| Replace Engine primary air filter   |             |              |               |                |                | O              |                |                |
| Replace Engine Pre filter   |             |              |               |                |                |                |                | O              |
| Inspect, clean & re-gap spark plugs, Replace if necessary   |             |              |               | O              |                |                |                |                |
| Check & adjust valve clearance<br>* Re-torque heads *   |             |              |               |                |                | O              |                |                |
| Clean & lap valve seating surface *   |             |              |               |                |                | O              |                |                |
| Check engine emissions  |             |              |               |                |                |                |                | O              |
| Inspect Magnetic clutch   |             |              | O             |                |                |                |                |                |
| Adjust using shims or Replace Magnetic clutch   | As Required |              |               |                |                |                |                |                |
| * Contact a Certified Technician,<br>For general service information see the separate engine manual |             |              |               |                |                |                |                |                |

## Function

The machine is used for sucking and separating dry, non-combustible dust with an explosion limit value of  $>0.1\text{mg/m}^3$ .

The engine is started by the key switch. When the engine has warmed up and is running at idle, the clutch is engaged by a second switch. Dust laden air is then sucked through the inlet valve at high speed via the suction hose. The air is slowed down by the cyclone and coarse dust particles are separated out, partly by centrifugal force and partly by gravity. Air and finer particles then pass through the tube filter where separation takes place. The machine is designed for filter cleaning by reverse air pulse.

The separated dust accumulates in the cyclone until the machine is switched off, when it drops through the bottom flap into the plastic bag.

### Warning

Before starting the machine, check that the inlet valve is open and that the clutch is disengaged

## Use

Before use, the user must be trained in the handling of the dust extractor and the hazardous dust.

### Warning

Before starting the engine, check the service table for daily maintenance

### IF following procedure is not followed, clutch will break

1. **SECURE** that clutch switch is in off position
2. Start motor and run on **LOWEST** RPM
3. Engage clutch



**NEVER** engage clutch while running the engine at high RPM's

The filter must be cleaned from time to time. This must be done before changing the plastic bag. It can also be done when the work is complete or when there is poor suction.

Procedure: While running the machine, seal the inlet using the inlet valve. Let the machine build up vacuum for a few seconds (approx. 5 sec.) then quickly push down on the top handle and release it slowly. Repeat this procedure 5 times. If suction remains poor, the filter should be replaced. The plastic bag may only be replaced after cleaning the filter.

The plastic bag must be tied up after removal. Only use original parts.

## Filter change

Risk of dust dispersion - Use of personal safety equipment

Unhealthy dust can be spread during filter change. Accordingly, the user should wear protective glasses, protective gloves, and a breathing mask conforming to protection class FFP3.

**WARNING: Turn off the engine and wait for the fan to completely stop before opening the machine to change filters.  
The exhaust will get very hot after running the engine for just a short time**

### Main filter

Loosen the two latches between the tank and the lower cyclone. Loosen the two latches at the hose connection between the tank and the absolute filter cover. Rotate the tank forwards. Rotate the filter plate counter clockwise 10 degrees and carefully turn filter and holder upside down. Place a plastic bag over the filter unit. Lift the filter carefully and pinch up the bag by hand and then tie the bag up. This bag must be properly disposed of.

Insert a new complete filter pack in reverse order. Only original filters may be used.

### HEPA filter

Loosen the three latches holding the filter cover and carefully lift the filter up and into a plastic bag. This bag must be properly disposed of. Insert new filters in reverse order.

Recommended intervals for filter change: Socks filter every 6 months and Hepa filter every 12 month.

## Muffler

**WARNING: Never use a machine without a muffler, or with a faulty muffler. A damaged muffler may substantially increase the noise level and the fire hazard.  
Keep fire fighting equipment handy.**

The muffler gets very hot during and after use. This also applies during idling. Be aware of the fire hazard, especially when working near flammable substances and/or vapours. The muffler is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user.

### Inspecting the muffler

- Check regularly that the muffler is complete and secured correctly.

## Accessories

| Part.no.  | Description         | No./machine |
|-----------|---------------------|-------------|
| 590433801 | Complete filter set | 1 ea        |
| 590435901 | MF5500 HEPA filter  | 2 ea        |
| 590426101 | Longopac (4-pcs).   | 1 ea        |

## Warranty

All Husqvarna devices and accessories have a 24-month factory warranty for material and manufacturing defects. Do not attempt to repair the suction apparatus without the consent of the manufacturer.

The warranty does not cover defects which are the result of normal wear and tear, negligence, defective use, unauthorised repair or the suction apparatus being connected to the incorrect voltage.

In the event of any complaint, the suction apparatus or an agreed part of it must be returned to us or our authorised representative for warranty examination and for any warranty repair or replacement.

## Problem solving

The dust extractor T8600 PROPANE are designed and manufactured for severe environments and tasks, but the user must note that the machine components must be protected from knocks and blows. Filter and sealing connections are carefully chosen for the environment of the operator. Therefore, the machine must be handled with care if it is to work correctly for many years.

| <b>Problem</b>                              | <b>Cause</b>   | <b>Procedure</b>   |
|---|--|--|
| Engine does not start                       | No gas<br>No spark<br>No battery power<br>Switch defective<br>Low oil sensor<br>Emissions sensor | replace gas tank, check fuel hose & regulator<br>Check engine service manual<br>Charge battery, replace if necessary<br>Replace<br>Check oil level and refill if necessary<br>Ventilate area and wait until red light on sensor is off |
| Fan impeller not engaging                   | Worn/broken clutch   | Check wear, adjust or replace if necessary   |
| Engine and fan runs but there is no suction | Hose not connected<br>Hose blocked<br>No plastic bag   | Connect the hose<br>Clean the hose<br>Install plastic bag  |
| Engine and fan runs but suction is poor     | Damage to the hose<br>Blocked filter<br>Top cover loose<br>Dirt in the flap<br>Sealing defective | Change hose<br>Change filter<br>Adjust<br>Clean the flap.<br><i>Use protective equipment</i><br>Change current seal  |
| Dust blows from motor                       | Defective or loose filter  | Adjust or change   |
| Abnormal noise                              |  | Order service  |

**SAVE THESE INSTRUCTIONS!**

# TECHNICAL DATA

## T8600 Propane

|                                    |                         |  |
|------------------------------------|-------------------------|--|
| POWER                              |                         | 18 HP / 13,4 kW  |
| POWER SUPPLY                       |                         | Kawasaki Propane   |
| AIR FLOW                           | (CFM)                   | 410  |
|                                    | (m <sup>3</sup> /h)     | 697  |
| MAX VACUUM                         | (H <sub>2</sub> O Inch) | 115  |
|                                    | (Kpa)                   | 29   |
| PRIMARY HOSE                       |                         | 33 feet x Ø 3"<br>10 M x Ø 76 mm   |
| INLET                              |                         | Ø 3"<br>Ø 76 mm  |
| FINE FILTER (sock filter)          |                         | 99.9% at 0.3 microns<br>Filter area 2,3 m <sup>2</sup> (25 ft <sup>2</sup> ) |
| HEPA FILTER (2 x cartridge filter) |                         | 99.9% at 0.3 microns<br>Filter area 5 m <sup>2</sup> (54 ft <sup>2</sup> )   |
| DUST COLLECTION SYSTEM             |                         | Longopac length 22 m   |
| DIMENSION LxWxH                    |                         | 140x70x177,5 (cm) 55x27x69 (inches)  |
| WEIGHT                             |                         | 285 kg / 628 lbs   |

# Notes

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**Original instructions**

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