

ULV Aerosol-Generators U 10 HD-M



Technical specifications of IGEBA ULV Aerosol-Generator U 10 HD-M

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| Weight in kg, approx. | 105 |
| Dimensions L x W x H in cm | 80 x 70 x 65 |
| Engine | 5 hp, 4 cycles |
| Drive | 1 V-belt |
| Side channel blower | |
| Discharge rate (m ³ /min) | 1,25 |
| Pressure (bar) | 0,25 |
| Control system (Remote control with 5 m cable) | Electric starter for engine, solenoid valve for fog solution |
| Fuel tank capacity in l | 4 |
| Fuel consumption, approx., in l/h | 2 |
| Solution tank capacity in l | 20 |
| Battery | 12 Volts DC 36 Ah, charger |
| Output water (max), in l/h | 10 |
| Air filter | Paper star filter |
| Number of nozzles | 1 |

Optionals

- coupling with spray hose, 5-10 m long with nozzle, output 10l/h and
- accessory kit for the treatment of city sewerage through man-holes

Also available with electric motor, 2,2 KW, 3 x 400 Volts.

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What does ULV mean?

ULV is defined as the ultra low volume application rate per unit area/space which guarantees economical pest control.

The aim is to keep the application rate as low as possible and thereby diminish both the cost of the total quantity applied as well as the actual treatment time.

The minute droplets (aerosols) remain suspended in the air for hours to ensure the coverage of all indoor surfaces, and that of leaves and bushes in the open air. In this manner lethal contact with the insect pests that are to be controlled is maintained for prolonged periods.

Benefits

This application technique is exceptionally safe!

The driver's cab can be kept completely free from chemicals through remote control with the functions „Engine Start/Stop“ and „Application Start/Stop“ by means of a control box.

The aerosol generator operates very efficiently!

The adjustable spray head ensures that the operating direction is variable right through 360°.

The aerosol generator is very reliable!

Droplet size data for the IGEBA ULV Aerosol-Generators with 2 nozzels

Ambient temperature: 21,4 °C
 Formulation temperature: 22,0 °C

| Nozzle output | Liquid | 'D(v,0.5)' | 'D(v,0.9)' |
|---|--------|--------------|--------------|
| 20l/h through both nozzles (one nozzle measured only) | water | 13,4 microns | 36,4 microns |
| 10 l/h trough one nozzle only | water | 11,8 microns | 27,9 microns |
| 10l/h through both nozzles (one nozzle measured only) | water | 11,8 microns | 28,1 microns |

'D(v,0.5)' means that 50% of the spray volume is composed of larger droplet sizes and 50% of smaller sizes. 'D(v,0.9)' refers to a value such that 90% of the spray volume is made of smaller sizes (with the remaining 10% in larger sizes).

The above tests have been carried out using water due to the fact that the use of water as a diluent can significantly reduce treatment costs and are more environmentally acceptable.

