

# ULV Aerosol-Generator U 15 E



### Technical specifications of IGEBA ULV Aerosol-Generator U 15 E

Drive motor (kW) (2-pole)	4
Mains voltage (volt)	3 x 380/400
Frequency (Hz)	50
Rated current (ampère)	8.2
speed (rpm)	2850

#### Air compressor

Discharge rate (m <sup>3</sup> /min)	3.0
Air filter	Paper star filter
Drive	2 V-belt
pressure (bar)	0.28
speed (rpm)	3990

#### Solution system:

Solution tank (liter) (rated/actual)	16/20
Output quantity in l/h (max.)	18 (27)
Dosage nozzles (max.)	2 x 08 (10)
Number of nozzles	2

#### Control:

manual or fully automatic	x
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#### Chassis:

4 rollers (2 fixed, 2 steering rollers)	x
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Dimensions L x W x H in cm (without solution nozzles)	88 x 57 x 100
Weight (empty) kg, approx.	115

IGEBA fog generators have proven highly successful worldwide in all climate zones and in extremely adverse operating conditions.

Well-functioning service and product reliability make maximum care and attention to function and material quality absolutely indispensable in new developments.

Biological pest control is already being successfully used, but only in situations where a certain initial damage can be accepted. Compared to chemical plant protection measures, as a rule the user needs to have a greater knowledge of the biological correlations.

In this way, today pest control machines are still required to apply pesticides with immediate effect as far as possible.

For the product to develop its full effect, the solution should preferably be evenly distributed on the leaf surfaces and room concerned so that it can develop to its full effect.

The IGEBA aerosol generators are special machines which operate according to the Ultra Low Volume (ULV) method with an application rate between 0.5 and 5 l/ha. ULV refers to the minimum application rate/area required to achieve effective pest control. The method is highly effective: it breaks the liquids up into aerosols and the powerful blower and the thermic conditions distribute the fine droplets evenly over the affected area or leaf surfaces.

#### Benefits:

- adjustable spray heads 360°
- every nozzle can be operated individually
- low noise level in electrically driven units
- excellent distribution
- high penetration depth without requiring additional ventilation (more than 120 m under favourable conditions with U40HD)
- all pesticides can be applied, including wettable powders
- extremely economical pesticide consumption
- complete control for automatic operation upon request
- mixer motor for solution tank available (particularly important when using wettable powders!)

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DIN EN ISO 9001

# 9001

# ULV Aerosol-Generator U5 E



### Technical specifications of IGEBA ULV Aerosol-Generator U5 E

Drive motor (kW) (2-pole)	2,2
Mains voltage (volt)	3 x 380/400
Frequency (Hz)	50
Rated current (ampère)	4.5
speed (rpm)	2850

#### Air compressor

Discharge rate (m <sup>3</sup> /min)	1.25
Air filter	Paper star filter
Drive	1 V-belt
pressure (bar)	0.23
speed (rpm)	4000

#### Solution system:

Solution tank (liter) (rated/actual)	10/12
Output quantity in l/h (max.)	9 (14)
Dosage nozzle (max.)	08 (10)
Number of nozzles	1

#### Control:

manual or half automatic	x
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#### Chassis:

2 rollers	x
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Dimensions L x W x H in cm	63 x 57 x 110
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(without solution nozzle)

Weight (empty) kg, approx.	60
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#### Droplet size data for the IGEBA ULV Aerosol-Generators with two nozzles

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

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

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.

### Other ULV Aerosol-Generators available:

#### ULV Aerosol-Generators

with electric motor:  
11 kW and 4 nozzles, output: 40 l/h

with engine:  
5-18 hp and 1-4 nozzles, output: 10-60 l/h



U40 HD-M „Slimline“

Please ask for detailed information.

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