

FOG MAKER

Elefante



Elefante, a giant in the misting sector

Elefante is an industrial misting system that shoots billions of small droplets into the air up to 60 metres with a rotation field of 340° through misting nozzles, situated on a ring at the exit of a powerful fan.



Detail of the cannon outlet highlighting three rings of atomizer nozzles in operation



Control panel of industrial dust control system Elefante



Detail of fan installed on the Elefante mist cannon



Detail of the pneumatic pumping group

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Technical data

Code	Model	Description	Dirt emissions (MCL50) /m	Weight
ZK-BS501	ELEFANTE LP -FIXED	Industrial fogging system for dust suppression with fog nozzle, short support column, water filter and control panel mounted on a metal base	1200 x 1600 x 2200	450kg
ZK-BS502	ELEFANTE LP -MOBILE VERSION	Industrial fogging system for dust suppression with fog module, water filter and control panel mounted on an equipped trolley	1930 x 2100 x 2300	460kg
ZK-BS509	ELEFANTE BP - ON HYDRAULIC COLUMN	Industrial fogging system for dust suppression with fog module, short support column, water filter and control panel mounted on a metal base	1200 x 2600 x 2120	700kg

Flow rate (with nozzle sizes 5, 10 and 15)

PRESSURE	FLOW RATE (L/H - FT ³ /MIN)
7.5bar	8.3g/l/h 52.6g/l/h
4bar	9.6g/l/h 60.5g/l/h
5bar	10.6g/l/h 68.2g/l/h
10bar	14.8g/l/h 97.5g/l/h

Recommended accessories

IT19038
Pressure pump
The pump is needed to reach the ideal working pressure of other Multistage vertical electric pump 4kW-400V-50Hz - 30 l/min

IT19026
Remote control 12 keys with relay transmitter and receiver with the 200/200m range.
• On/Off control for hydraulic fan
• On/Off control (ON/OFF)
• Rotation control (ON/OFF)
• Rotation angle memory control
• Emergency stop control
• Nozzles ring activation control



Technical features

- Pressure: up to 10bar
 - No. of nozzles (3 rings with 52 nozzles): 156
 - Maximum coverage: approx. 10.700 m²
 - Air flow rate: 28.500m³/h
 - Power absorption Fan 11kW ring heating 3kW
 - Power supply: 400 V-50/60Hz
 - Protection rating: IP65
 - Rotation range: 340°
 - Elevation: -20° - +65°
- Fan diameter: 660mm
 - 2800rpm
 - Flow range: approx. 60m
 - Noise: < 93dBA
 - ON/OFF switch
 - Rotation right/left
 - Pulse counter for rotation angle programming
 - Fan start
 - Start water supply
- (motor-pump) solenoid valves
 - Work/pause cycle timer
 - Operation light with buzzer
 - Nozzles ring heating
 - Night light

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FOG MAKER 50 bar



Professional dust suppression

The **fog cannon** uses a technology that enables different functions: the suppression of dust, also of finer particles, neutralization of unpleasant odours, cooling of surrounding air, humidification and prevention of dust formation. All **without** getting any surfaces **wet**. To neutralise all **fine dust** in complete **safety**.



The generator makes the fog maker system completely independent from the mains.



Detail of control panel



Detail of cannon outlet in operation

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High pressure

Technical data

Code	Model	Description	Dimensions (WxLxH) mm	Weight
ZK 8514	HP ELEGANTE ON SHELF	Industrial misting system for dust suppression, complete with misting module, hydraulic column, water filter, control panel, all mounted on a metal shelf • HP pump module	900 x 2000 x 1680	350kg
ZK 8513	ELEGANTE HP ON HYDRAULIC COLUMN	Industrial misting system for dust suppression, complete with misting module, hydraulic column, water filter, control panel, all mounted on a metal base • HP pump module	1200 x 2600 x 2120	700kg
ZK 8510	HP ELEGANTE MOBILE VERSION, AUTONOMOUS, ON HYDRAULIC COLUMN	Industrial misting system for dust suppression, complete with misting module, column, water filter, control panel, all mounted on a trailer with wheels and 100L • HP pump module • 1000L tank	2400 x 2000 x 2400	2300kg

Recommended accessories

<p>WP7H 09334 Generator Max power three phase 13.3kW Max. power single phase 4.4kW Water cooled motor 1500rpm Electric start on Battery included Diesel fuel Tank capacity 44 L 11 hours autonomy - 75% charge/ Soundproofed 697x474x714 mm Dimensions LxWxH 1480 x 690 x 714 Weight 480kg Electric panel ON/OFF with key, 2 REC sockets, thermal protective beacon, emergency button, display</p>	<p>IT 9028 Remote control 12 keys with relay transmitter and receiver and the following functions: ON/OFF general • On pump control for hydraulic air system • Motor stop (40/80) • Motor stop (100/120) • Absorption mode remote control • Emergency stop control • Nozzles ring destination control</p>
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Technical features

- Operating pressure: 50bar
- Nozzle flow rate: 4
- Power supply: 400 V-50Hz
- Protection rating: IP65
- Rotation range: 340°
- Elevation: -30° +45°
- 28000rpm
- Noise: < 91dBA
- Control panel
- Rotation right/left
- Pulse counter
- Work/pause cycle timer
- Operation light with buzzer
- Night light
- No. of nozzles (3 rings with 52 nozzles): 156
- Maximum coverage: approx. 10.750m²
- Air flow rate: 28.500 m³/h
- Power absorption:
Fan 11kW
Fog heating 20kW
- Pump kit 33l/min, 4kW
(ZK 8510 - 21l/min, 3kW)
- Fan diameter: 660mm
- Flow range: approx. 60m

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