



# HT 45 MIST CANNON

**DUST SUPPRESSION, AIR POLLUTION CONTROL & DISINFECTION**



**STEEL - MINING - DEMOLITION - BULK HANDLING - CRUSHING - RECYCLING  
CROWD COOLING - CEMENT - RENTAL - ODOUR CONTROL - DISINFECTION**

# HT 45 MIST CANNON



## MIST CANNON FOR DUST SUPPRESSION & AIR POLLUTION CONTROL

**HT 45** is a high performance **Mist Cannon** used for **dust, odour and air pollution control** in different applications.

Equipped with a robust hot dip galvanized frame the HT 45 is built to last and is well suited for heavy duty applications such as Mining, Crushing, Demolition, Recycling, Rental and Cement industry.

Features as electric tilt, automatic main valve and remote control as standard. Automatic oscillation up to 360° to distribute water mist over large areas are also standard. The HT 45 is connected to a standard 32 A socket. It can be powered by 400 V/50 Hz or 480V/60Hz from the main grid or from a generator. A function to reduce power peaks at start up is built in as standard in the control system. The flow rate is adjustable to suit different applications.

**The water mist droplet is between 20 -200 microns depending on nozzle size, which makes the HT 45 ideal for various applications.**



HT 45 Nebelkanone

# HT 45 MIST CANNON



## STANDARD FEATURES

- ✓ Wireless remote control and Electric tilt
- ✓ Booster pump with run dry protection
- ✓ Filter system 300 micron
- ✓ Power peak override at generator operation
- ✓ Water drain valve
- ✓ Automatic oscillation system
- ✓ Chassis with heavy duty fork pockets
- ✓ Electric water main valve
- ✓ Adjustable water flow

## OPTIONAL FEATURES

- ✓ Dosing pump for additives with 60 l solution tank
- ✓ Misting system:
  - Nozzles 5-30 micron droplets
  - Additional filter system
- ✓ Wheel-set with three road wheels



Travel direction  
of water droplet

Water droplet

Dust particle



Collision takes place.

Effective dust suppression when droplet size and dust particle size is approximately the same.

**Note!** If the water droplet is too big an air stream is formed around the droplet pressing the dust particle away.

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## TECHNICAL SPECIFICATIONS

MODEL	HT 45
Voltage/Frequency	400VAC/50Hz or 480VAC/60 Hz
Current consumption	19 Amps (27 Amps @ 480VAC/60H z)
Fan motor power	7,5 kW (11 kW @ 480VAC/60H z)
Pump motor power	2,2 kW (3 kW @ 480VAC/60H z)
Power connector	32 A- 5 pin
Effective throw range	35 - 45 m
Area covered	6 350 m <sup>2</sup>
Water flow	12 - 60 LPM
Water connection	Thread 1 " BSP (DN25 )
Required in pressure	2 - 12 bar (min flow of 60 LPM )
Water quality	Portable / Filtered
Tilt angle	-10 / +50 °
Auto oscillation	10 ° to 360 ° in steps of 10°
Operating temp	+1°C to +50° C
Length with fork stand	1 190 mm
Width with fork stand	1 000 mm
Height with fork stand	2 250 mm
Weight	415 kg

Specifications and other details are subject to change without notice.



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