



Catalog 2019 Cannons and Plants **for Dust Suppression**



Assistenza Clienti dall'Italia
Customer Support from Italy
+39.049.9300.500



Watch our machines in action on YouTube channel: **CLEAN IMPIANTI**



**Who chooses clean
discovers the added value**

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WHO WE ARE and WHAT WE DO

Clean® pays attention at the environmental issues and it has taken over time its own industrial dimension. Implementing concretely what technology offers daily and with the assistance of a valid technical staff, the company and 'arrived to the present reality can design, build and install:

- 🌀 Plants for dust and odour suppression;
- 🌀 Wheel washing systems;
- 🌀 Water purification.

All this with the guarantee of having products that allow you to work with standards of safety and efficiency at the forefront.

The priority is to protect the environment, the health and safety of workers.

CLEAN IMPIANTI

Plants for dust and odour suppression



Wheel washing systems



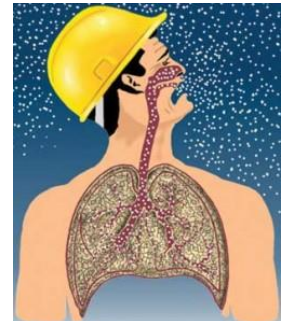
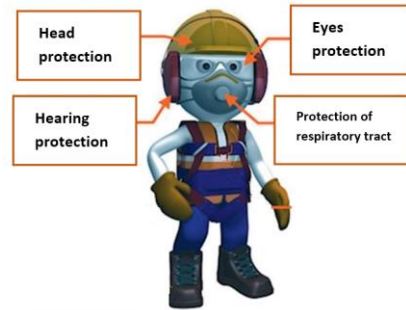
Water purification



HEALTH AND ENVIROMENT

Prevention of occupational risks

The law requires the company to take all security measures to avoid risks to the health of workers while they are engaged in the workplace. The prevention system provides a phase of evaluation of the risks to which employees are exposed to a phase in which the security systems required and a phase are identified and installed in which employees are informed and trained in the correct use of these tools.



Product Warranty and productive system

All CLEAN® products are covered by a guarantee of quality for any manufacturing defects. Each of our products is carried out in full compliance with the latest European standards. Quality and safety, which means according to the customer's expectations. For many years, we have obtained the quality system certification according to ISO 9001: 2008. Only manufacturers can boast of this international recognition which positions our company to the TOP of the market. A system that fundamentally changes the firm's methodology, towards a planned and systematic quality required by an ever-changing market.

Assistance guaranteed by Italy

A direct line created specifically to enable customers to address rapidly CLEAN® to one of our employees who work from Italy, can solve any problems in a very short time in order to optimize the use of our products.

Dust and odors on construction sites



New silenced telescopic both dusts and odours suppression system.





SYSTEMS COMPARED

TRADITIONAL SYSTEM

With traditional systems, the effectiveness of dust collecting is very low. This is due to the size of the dust particles, which have a diameter of less than 100 μ , while the water droplets have a diameter 10-20 times higher.

The water jets, pass through the dust particles, capturing only a small part, with the result of using a lot of water, wetting the ground and with poor result abatement.



SYSTEM CAP- CLEAN®

With the cannon, the the atomized water particles diameter, have the same size of the dust particles. This allows a perfect contact between the particles, which unite and fall to the ground.

The advantages of this system are:

- high efficiency of dust collecting;
- lower consumption of water, avoiding the formation of puddles;
- automated operation;
- possibility to adjust the field of action in all directions.



APPLICATION FIELDS

Reclamations



Quarries and Mines



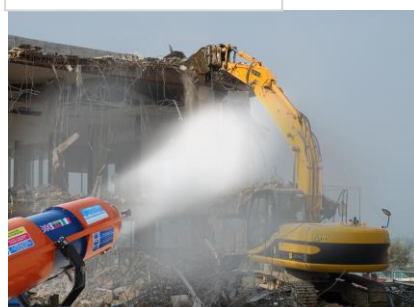
Shipyards and Transports



Landfill-Odor abatement



Demolitions










Mineral Deposits



HOW DOES IT WORK

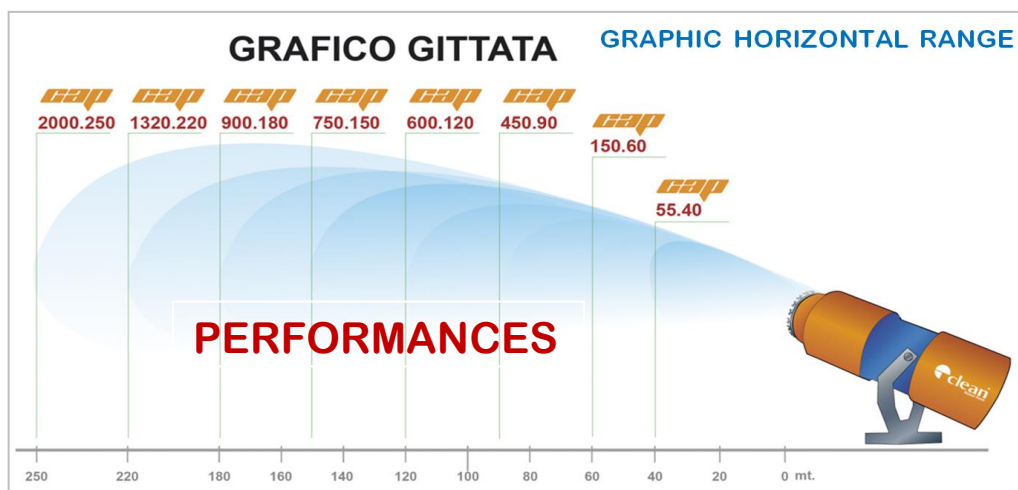
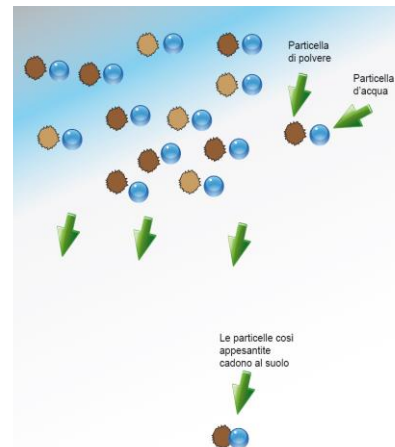
The dust particles remain suspended in the air for a long time; introducing the atomized water from our cannon takes place the capture of these, preventing their disappearance at long distances; this can take place thanks to the optimal size of the water droplets, which must not exceed or be smaller than the powder particles:

The diameter of the particles in microns:

	The limestone Stone:	10 to 1000 microns.
	Fly ash:	10 to 200 microns.
	Coal dust:	01 to 100 microns.
	Cement powder:	03 to 100 microns.
	The carbon black:	0,01÷0,3 microns.
	Pulverized coal:	03÷500 microns.
	Asbestos fibers:	0,7 ÷ 1,5 microns (variable).

CLEAN has a wide range of nozzle for each type of solution:

- ➔ Atomizing nozzles at high pressure type AP-SINGLE
 - ➔ Atomizing and conventional nozzles air-water type AA-C single and multiple;
 - ➔ Atomizing nozzles **ULTRASONIC** type AA-US.
-
- ➔ Atomizing nozzles at high pressure: \emptyset drops $\approx 20\div 80$ microns
 - ➔ Atomizing and conventional nozzles air-water: \emptyset drops $\approx 15\div 80$ microns
 - ➔ Atomizing nozzles **ULTRASONIC** air-water: \emptyset drops $\approx 2\div 80$ microns





CANNON WITH MEDIUM THROW



Industrial Remote Control with Battery Charger

Operation signal light and Alarms.



Monitor touch-Screen.

IP 65 electrical panel with PLC and touch-screen monitor.

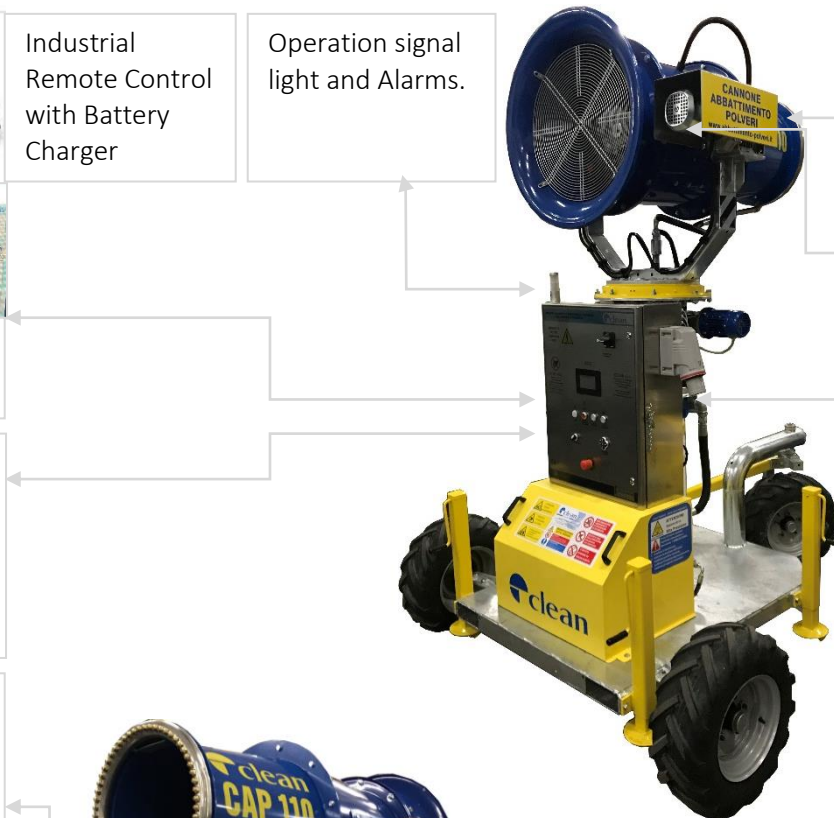
Rings with 60 atomize replaceable nozzles.

Gear motor for cannon rotation
P = 0.18 kW.

LED-Light for night lighting.

Water filtration group with 5 microns cartridge

Wheels and drawbar



Motor fan unit.

Gear motor for cannon lift
P = 0.37 kW.
-20 ° / + 45 °

Electric socket for electrical supply Cannon



Limit switches for lifting

300 ° rotation fifth wheel

Control unit for industrial remote control

High / medium pressure pump unit for sprinkler nozzle crown supply, atomizers or Ultrasonic.

Forklift handling profiles.

Four height adjustable stabilizers to use before begins activity.

Cannon CAP 55.40



ACCESSORIES INCLUDED

- ▶ Inclination and electric rotation of the ventilation group with on-board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ Trolley and drawbar for construction site with fifth wheel, four stabilizers, tree wheels 655x320 mm;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65, 3-pole 5-pole electric socket of 32 Amp.;
- ▶ Phase control module.



OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Soundproofing Cannon;
- ▶ Soundproofing generator set;
- ▶ Storage tank;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, Remote management, Management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.





Technical data

Fan unit	
Throw [m]	15 ÷ 40
Covered area [≈m ²]	3.000
Power fan HP/kW (400 V 50 Hz P + T)	7,5 / 5,5
Air Flow (m ³ /h)	≈15.000
Noisiness - Lwa 10 meters - Db (A) soundproof	78÷89
TOTAL tilt [degrees]	0 ÷ ≈360°
Gearmotor rotation kW (400 V, 50 Hz)	0,18
Angle from the horizon [degrees]	-20° ÷ +45°
Amount and type of nozzles [nr.]	60 atomizer
Elevation gearmotor kW (400 V , 50 Hz)	0,37
Electro pump unit for water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	5,5 /4
Flow [litri/min.] adjustable	30 ÷ 100
Pressure [bar] adjustable	20 ÷ 12
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10÷50
Electrical panel with on-site and remote control	
Right-left and up-down Movement. Automatic/remote controller	Included
Block movement	Included
Start/Stop fan and water pump	Included
Size (variables with or without generator)	
Diameter of the cannon [mm]	≈700
Cannon width [mm]	≈2.000
Cannon height [mm]	≈2.500
Cannon length [mm]	2.400
Weight [kg]	900
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	



Cannon CAP 110.50



ACCESSORIES INCLUDED

- ▶ Inclination and electric rotation of the ventilation group with on-board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ Trolley and drawbar for construction site with fifth wheel, four stabilizers, tre wheels 655x320 mm;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65, 3-pole 5-pole electric socket of 32 Amp.;
- ▶ Phase control module.

OPTIONAL ACCESSORIES AT DISPOSAL

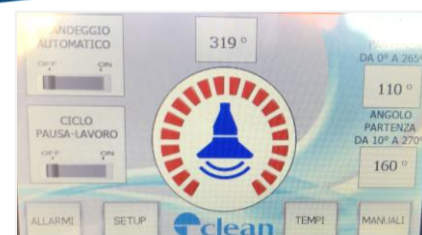
- ▶ Soundproofing Cannon;
- ▶ Soundproofing generator set;
- ▶ Storage tank;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, Remote management, Management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.





Technical data

Fan unit	
Throw [m]	20 ÷ 50
Covered area [≈m ²]	6.000
Power fan HP/kW (400 V 50 Hz P + T)	15 /11
Air Flow (m ³ /h)	≈30.000
Noisiness - Lwa 10 meters - Db (A) soundproof	78÷89
TOTAL tilt [degrees]	0 ÷ ≈360°
Gearmotor rotation kW (400 V, 50 Hz)	0,18
Angle from the horizon [degrees]	-20° ÷ +45°
Amount and type of nozzles [nr.]	60 atomizer
Elevation gearmotor kW (400 V , 50 Hz)	0,37
Electro pump unit for water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	7,5 / 5,5
Flow [litri/min.] adjustable	30 ÷ 100
Pressure [bar] adjustable	17 ÷ 16
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10÷50
Electrical panel with on-site and remote control	
Right-left and up-down Movement. Automatic/remote controller	Included
Block movement	Included
Start/Stop fan and water pump	Included
Size (variables with or without generator)	
Diameter of the cannon [mm]	≈700
Cannon width [mm]	≈2.000
Cannon height [mm]	≈2.500
Cannon length [mm]	2.400
Weight [kg]	950
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	



Cannon CAP 220.60



ACCESSORIES INCLUDED

- ▶ Inclination and electric rotation of the ventilation group with on-board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ Trolley and drawbar for construction site with fifth wheel, four stabilizers, tre wheels 655x320 mm;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65, 3-pole 5-pole electric socket of 63 Amp.;
- ▶ Phase control module.

OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Soundproofing Cannon;
- ▶ Soundproofing generator set;
- ▶ Storage tank;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, Remote management, Management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.





Technical data

Fan unit

Throw [m]	30 ÷ 60
Covered area [≈m ²]	9.000
Power fan HP/kW (400 V 50 Hz P + T)	30 /22
Air Flow (m ³ /h)	≈35.000
Noisiness - Lwa 10 meters - Db (A) soundproof	78÷89
TOTAL tilt [degrees]	0 ÷ ≈360°
Gearmotor rotation kW (400 V, 50 Hz)	0,18
Angle from the horizon [degrees]	-20° ÷ +45°
Amount and type of nozzles [nr.]	60 atomizer
Elevation gearmotor kW (400 V , 50 Hz)	0,37

Electro pump unit for water supply:

Power motor HP/kW (400 V 50 Hz P + T)	7,5 / 5,5
Flow [litri/min.] adjustable	10 ÷ 50
Pressure [bar] adjustable	17 ÷ 16
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10÷50

Electrical panel with on-site and remote control

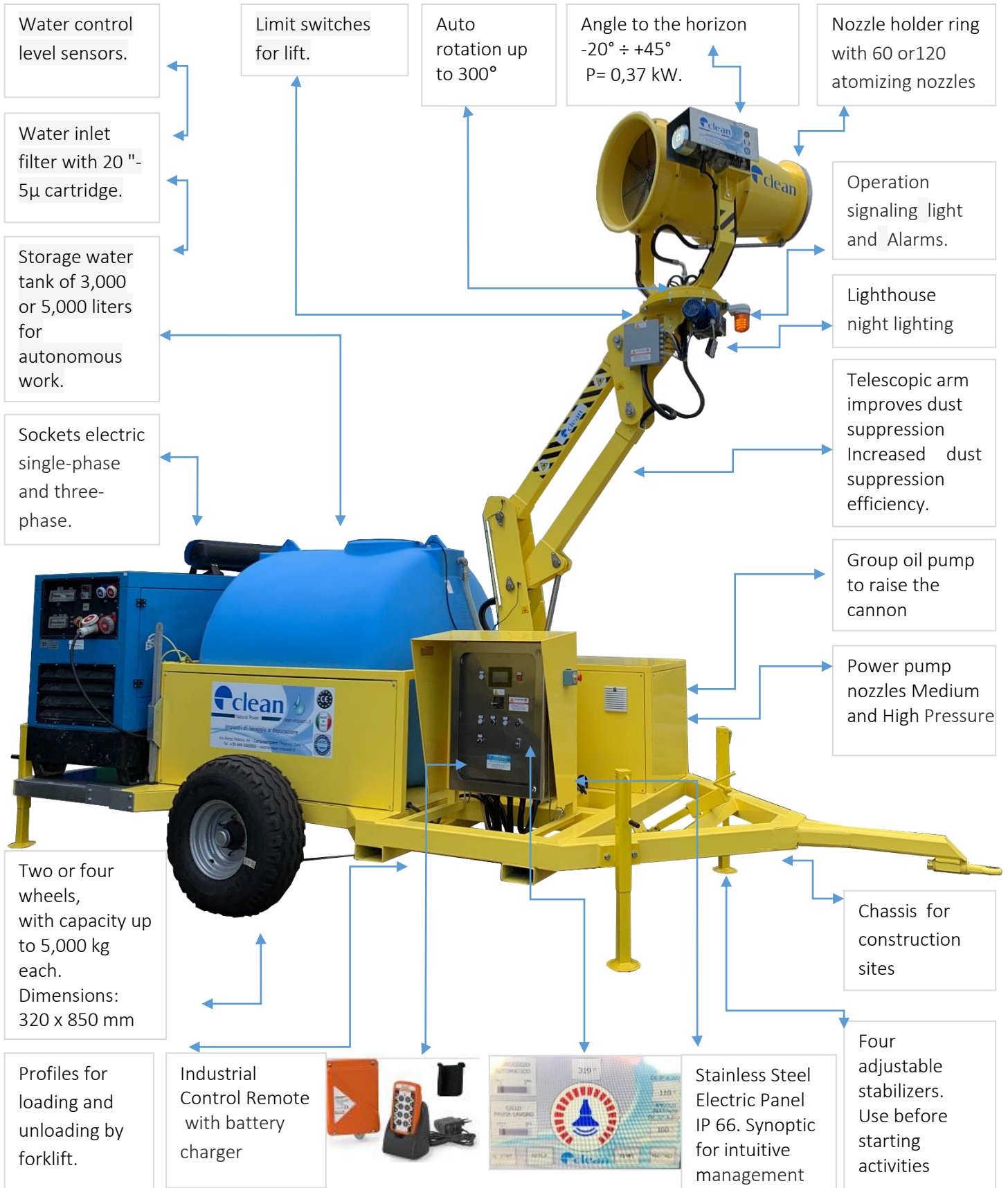
Right-left and up-down Movement. Automatic/remote controller	Included
Block movement	Included
Start/Stop fan and water pump	Included

Size (variables with or without generator)

Diameter of the cannon [mm]	≈700
Cannon width [mm]	≈2.000
Cannon height [mm]	≈2.500
Cannon length [mm]	2.400
Weight [kg]	1000
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting



Telescopic cannon with medium throw





Cannon CAP 55.40.T



ACCESSORIES INCLUDED

- ▶ Work height of cannon 5 meters;
- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 2 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65, 3-pole 5-pole electric socket of 32 Amp.;
- ▶ Phase control module.



OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan Unit

Throw [m]	15 ÷ 40
Covered area [≈m ²]	3.000
Power fan HP/kW (400 V 50 Hz P + T)	7,5 / 5,5
Air Flow [m ³ /h]	≈15.000
Noisiness - Lwa 10 meters - Db (A)	75 ÷ 85
Tilt [degree]	0÷300°
Angle from the horizon [degree]	-20° ÷ +45°
Number and type of nozzles [nr.]	60 Atomizer

Electro pump group for the water supply:

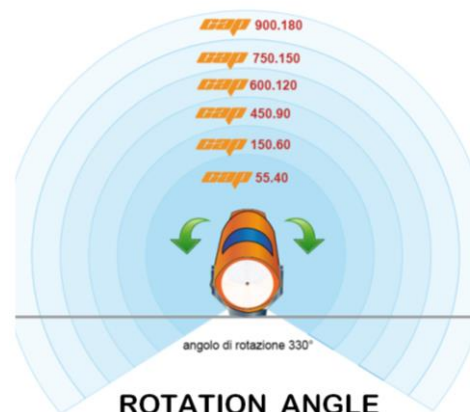
Power motor HP/kW (400 V 50 Hz P + T)	5,5 / 4
Flow [litres/min.] adjustable	30 ÷ 100
Pressure [bar] adjustable	20 ÷ 12
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Hydraulic pump kW (220 V , 60 Hz)	≈ 0,75

Electrical panel with on-site and remote control:

Right-left and up-down Movement.	Included
Block movement	Included
Start/Stop fan and water pump	Included

Size (variables with or without generator)

Cannon diameter [mm]	≈700
Cannon width [mm]	≈2.450
Cannon height [mm]	2.700÷5.000
Cannon length [mm]	5.000÷5.800
Weight [kg]	≈2.500
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting





Cannon CAP 110.50.T



ACCESSORIES INCLUDED

- ▶ Work height of cannon 5 meters;
- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 2 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65, 3-pole 5-pole electric socket of 32 Amp.;
- ▶ Phase control module.



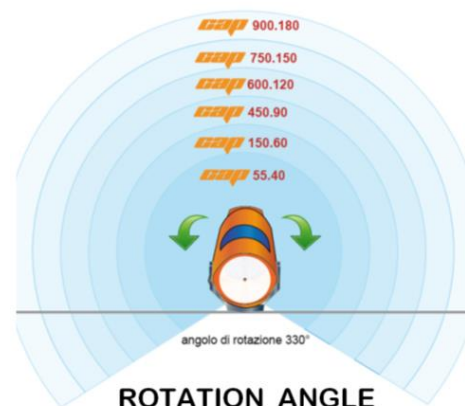
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan Unit	
Throw [m]	20 ÷ 50
Covered area [≈m ²]	6.000
Power fan HP/kW (400 V 50 Hz P + T)	15 / 11
Air Flow [m ³ /h]	≈30.000
Noisiness - Lwa 10 meters - Db (A)	75 ÷ 85
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-20° ÷ +45°
Number and type of nozzles [nr.]	60 Atomizer
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	7,5 / 5
Flow [litres/min.] adjustable	30 ÷ 100
Pressure [bar] adjustable	17 ÷ 16
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Hydraulic pump kW (220 V , 60 Hz)	≈ 0,75
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈700
Cannon width [mm]	≈2.450
Cannon height [mm]	2.700÷5.000
Cannon length [mm]	5.000÷5.800
Weight [kg]	≈2.800
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting





Cannon CAP 220.60.T



ACCESSORIES INCLUDED

- ▶ Work height of cannon 5 meters;
- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 2 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65, 3-pole 5-pole electric socket of 63 Amp.;
- ▶ Phase control module.



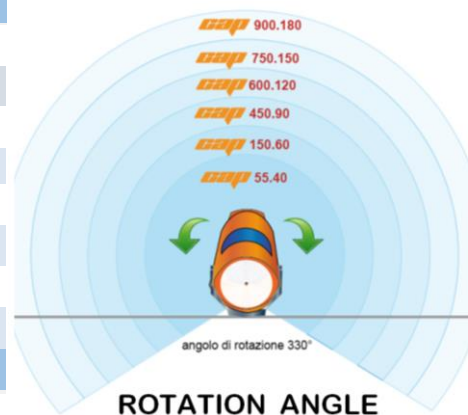
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan Unit	
Throw [m]	30 ÷ 60
Covered area [≈m ²]	9.000
Power fan HP/kW (400 V 50 Hz P + T)	30 / 22
Air Flow [m ³ /h]	≈35.000
Noisiness - Lwa 10 meters - Db (A)	75 ÷ 85
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-20° ÷ +45°
Number and type of nozzles [nr.]	60 Atomizer
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	7,5 / 5,5
Flow [litres/min.] adjustable	30 ÷ 100
Pressure [bar] adjustable	17 ÷ 16
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Hydraulic pump kW (220 V , 60 Hz)	≈ 0,75
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈800
Cannon width [mm]	≈2.450
Cannon height [mm]	2.700÷5.500
Cannon length [mm]	5.500÷6.500
Weight [kg]	≈3.500
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting





Cannon CAP 450.80



ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 4 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.



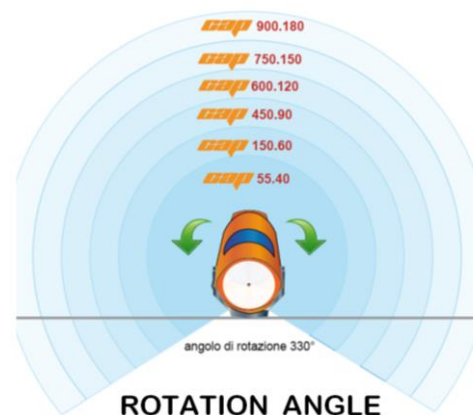
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan unit	
Throw [m]	60 ÷ 80
Covered area [≈m ²]	16.000
Power fan HP/kW (400 V 50 Hz P + T)	60 / 45
Air Flow [m ³ /h]	≈60.000
Noisiness - Lwa 10 meters - Db (A)	80 ÷ 90
Automatic swing with ENCODER [degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	60 Atomizer
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	15/11
Flow [litres/min.] adjustable	≈ 100 ÷ 300
Pressure [bar] adjustable	≈ 18 ÷ 14
Drop size [micron]	10÷300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈1.000
Cannon width [mm]	≈2.450
Cannon height [mm]	2.900
Cannon length [mm] with the cart	7.200÷8.500
Weight [kg]	≈5.500
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting



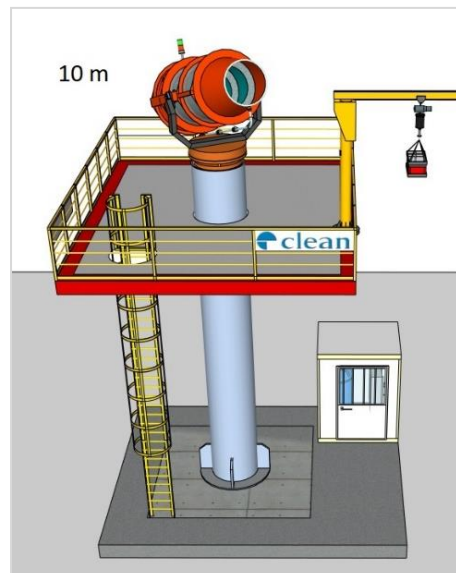


Cannone CAP 600.100



ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 4 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.

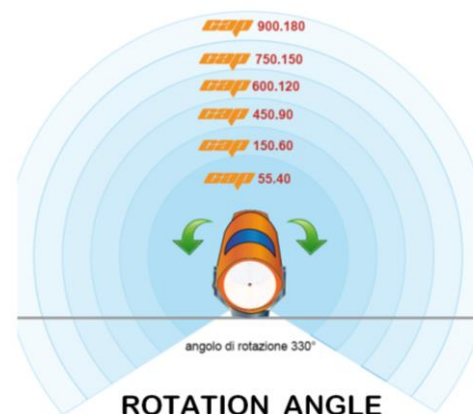


OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.

Technical data

Fan unit	
Throw [m]	80 ÷ 100
Covered area [≈m ²]	25.000
Power fan HP/kW (400 V 50 Hz P + T)	80 / 60
Air Flow [m ³ /h]	≈80.000
Noisiness - Lwa 10 meters - Db (A)	80 ÷ 90
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	120 Atomizer
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	15 / 11
Flow [litres/min.] adjustable	≈ 100 ÷ 300
Pressure [bar] adjustable	≈ 18 ÷ 14
Drop size [micron]	10÷300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈1.250
Cannon width [mm]	≈2.450
Cannon height [mm]	3.000
Cannon length [mm] with the cart	7.200÷8.500
Weight [kg]	≈6.500
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting





Cannon CAP 900.160



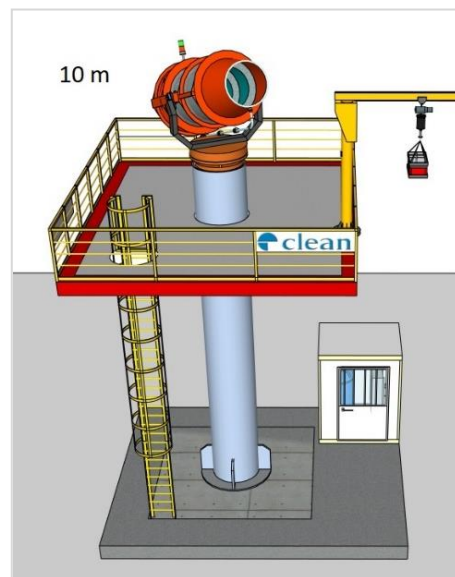
ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 4 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.



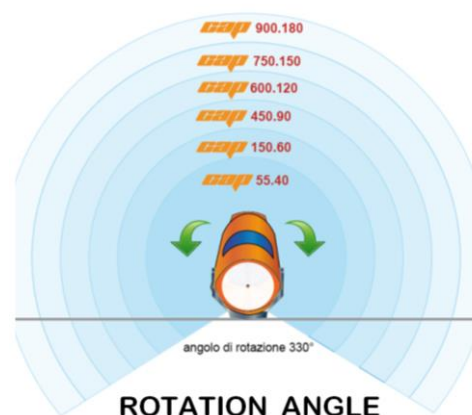
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan unit	
Throw [m]	80 ÷ 160
Covered area [≈m ²]	60.000
Power fan HP/kW (400 V 50 Hz P + T)	125 / 90
Air Flow [m ³ /h]	≈125.000
Noisiness - Lwa 10 meters - Db (A)	80 ÷ 90
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	120 Atomizer
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	15 / 11
Flow [litres/min.] adjustable	≈ 100 ÷ 300
Pressure [bar] adjustable	≈ 18 ÷ 14
Drop size [micron]	10÷300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈1.450
Cannon width [mm]	≈2.450
Cannon height [mm]	3.000
Cannon length [mm] with the cart	8.000÷9.500
Weight [kg]	≈8.500
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting





Cannon CAP 1600.200



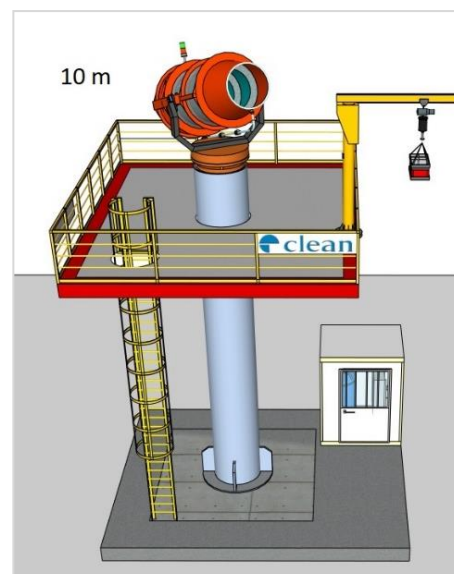
ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 6 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.



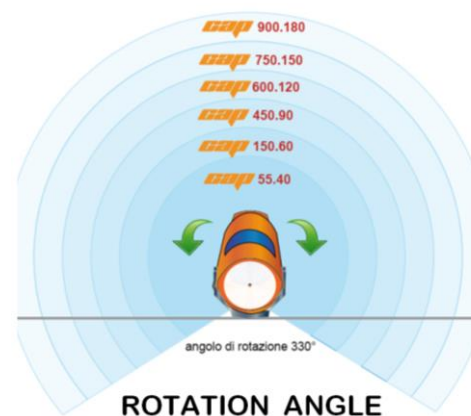
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan unit	
Throw [m]	120 ÷ 200
Covered area [≈m ²]	100.000
Power fan HP/kW (400 V 50 Hz P + T)	220 / 160
Air Flow [m ³ /h]	≈200.000
Noisiness - Lwa 10 meters - Db (A)	90 ÷ 95
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	120 Atomizer
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	20/ 15
Flow [litres/min.] adjustable	≈ 150÷400
Pressure [bar] adjustable	≈ 22 ÷ 10
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈1.600
Cannon width [mm]	≈2.450
Cannon height [mm]	3.000
Cannon length [mm] with the cart	9.000÷10.500
Weight [kg]	≈11.000
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting



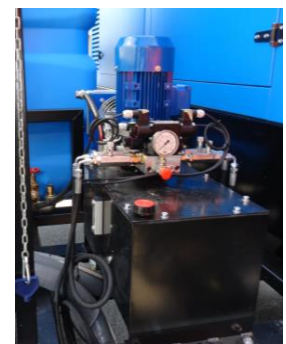


Cannon CAP 2000.200



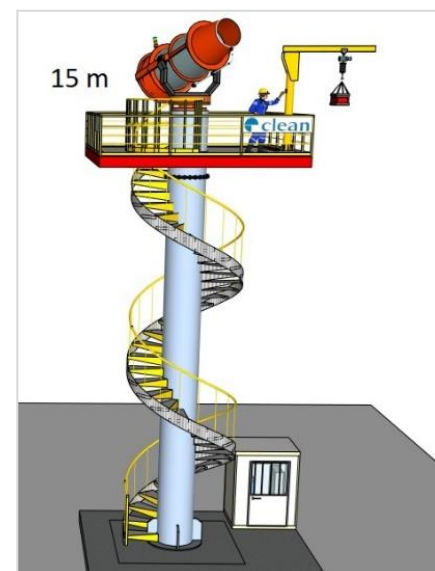
ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 6 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.



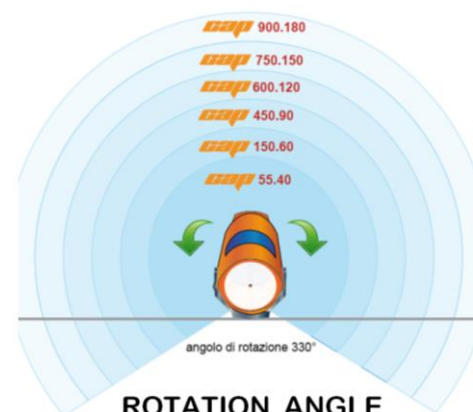
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan unit	
Throw [m]	120 ÷ 220
Covered area [$\approx m^2$]	120.000
Power fan HP/kW (400 V 50 Hz P + T)	270 / 200
Noisiness - Lwa 10 meters - Db (A)	90 ÷ 95
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	120
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	30/22
Flow [litres/min.] adjustable	$\approx 200 \div 650$
Pressure [bar] adjustable	$\approx 22 \div 10$
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈ 1.800
Cannon width [mm]	≈ 2.450
Cannon height [mm]	3.000
Cannon length [mm] with the cart	11.000÷12.000
Weight [kg]	≈ 12.000
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting



ROTATION ANGLE



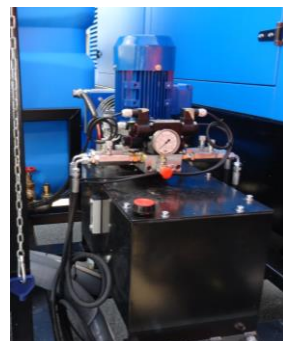


Cannon CAP 3200.240



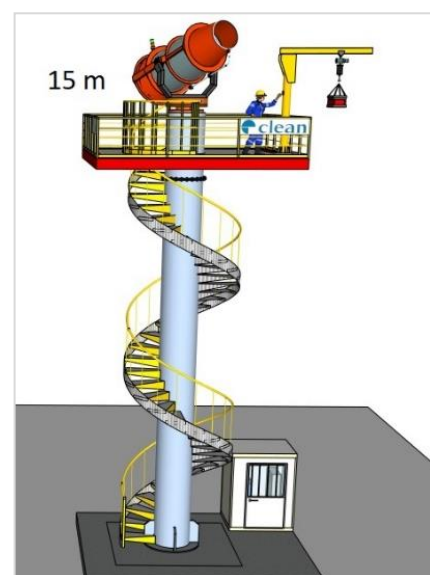
ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 6 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.



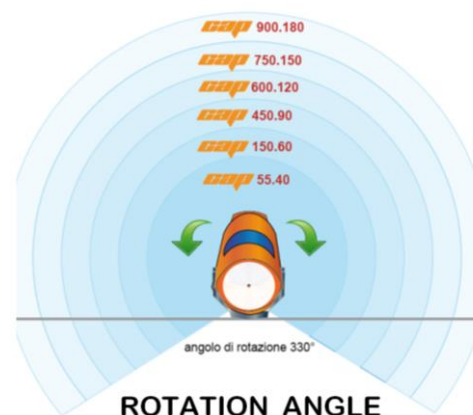
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan unit	
Throw [m]	140 ÷ 280
Covered area [≈m ²]	140.000
Power fan HP/kW (400 V 50 Hz P + T)	270 / 200
Noisiness - Lwa 10 meters - Db (A)	90 ÷ 95
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	120
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	40/30
Flow [litres/min.] adjustable	≈ 500 ÷ 1.200
Pressure [bar] adjustable	≈ 15 ÷ 11
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈2.500
Cannon width [mm]	≈2.450
Cannon height [mm]	3.000
Cannon length [mm] with the cart	12.000÷13.000
Weight [kg]	≈13.000
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting



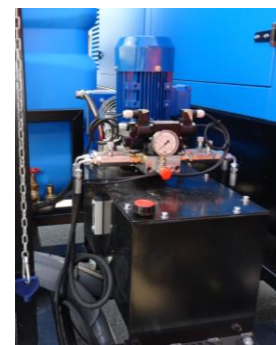


Cannon CAP 4000.250



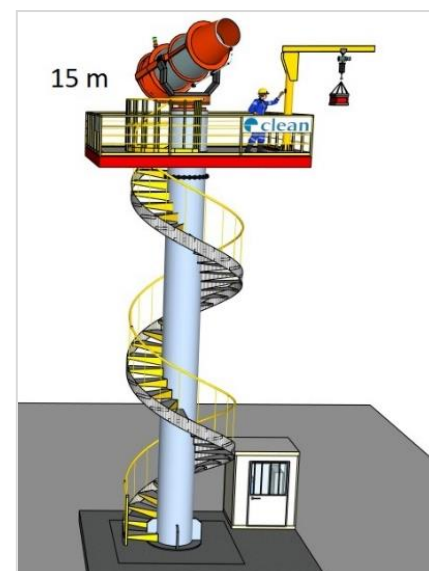
ACCESSORIES INCLUDED

- ▶ Hydraulic unit for the telescopic boom;
- ▶ Inclination and electric rotation of the ventilation group with on board controls and remote radio remote control;
- ▶ Control unit with radio remote control and battery charger;
- ▶ LED lighting beacon for night work;
- ▶ Control, management and programming unit;
- ▶ PLC with Touch-screen synoptic monitor;
- ▶ 2 / 3,000 liters water tank in polyethylene;
- ▶ Level sensor for automatic shutdown in case of lack of water;
- ▶ Trolley with fifth wheel, drawbar, forklift handling profiles, 4 stabilizers - 6 wheels;
- ▶ Stainless steel double door electrical panel;
- ▶ Electrical protection IP 65;
- ▶ Phase control module.



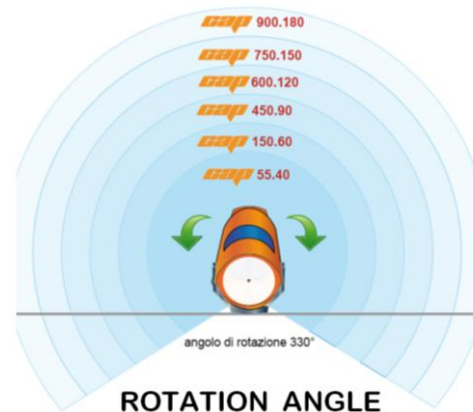
OPTIONAL ACCESSORIES AT DISPOSAL

- ▶ Cannon soundproof, Soundproof generator set;
- ▶ Antifreeze program;
- ▶ Anemometer, Rain detector, remote management with weather station;
- ▶ Dosing pump for application of: Flocculants - Odor removal products - Disinfection products;
- ▶ High Pressure Electro-Pump or Multistage Electric Pump.



Technical data

Fan unit	
Throw [m]	150 ÷ 300
Covered area [$\approx m^2$]	160.000
Power fan HP/kW (400 V 50 Hz P + T)	270 / 200
Noisiness - Lwa 10 meters - Db (A)	90 ÷ 95
Automatic swing with ENCODER[degrees]	0÷300°
Angle from the horizon [degree]	-10° ÷ +30°
Number and type of nozzles [nr.]	120
Electro pump group for the water supply:	
Power motor HP/kW (400 V 50 Hz P + T)	40/30
Flow [litres/min.] adjustable	$\approx 500 \div 1.200$
Pressure [bar] adjustable	$\approx 15 \div 11$
Drop size [micron]	10 ÷ 300
Water required	Purified water
Water filter PPP - steel [micron]	10 ÷ 50
Electrical panel with on-site and remote control:	
Right – left – up – down movement	Included
Block movement	Included
Start and Stop fan and water pump	Included
Size (variables with or without generator)	
Cannon diameter [mm]	≈ 2.500
Cannon width [mm]	≈ 2.450
Cannon height [mm]	3.000
Cannon length [mm] with the cart	12.000÷13.000
Weight [kg]	≈ 13.000
Supplies used	Carbon Steel S355JR
Epoxy/polyurethane protection	Painting





INCLUDED ACCESSORIES

LED-Light for night lighting.



3,000 It Storage tank



Electric fan inclination



Hydraulic unit



Electric panel



Rotation Group



Nebulization nozzle manifold



Water connection filter



Remote control and radio control



Flashing signal



High pressure pump for nozzle feeding



Cart with fifth wheel, rudder, stabilizers, wheels, profile for loading / unloading;



AVAILABLE ACCESSORIES

Anemometer



Rain detector



10,000 lt Storage tank



Structure for
cannon work
height at 6 ÷ 12 m



Dosing pump for
product application



generator set



Chemical products
to reduce dust and
odors



DUST CONTROL in **TUNNELLING**

Pressurization and filtration modules



SUPPLIED for HIGH PRESSURE MODULE

- High Pressure pumps
- regulation and by-pass valves in Stainless steel
- Pressure gauge in stainless steel
- Mating flanges
- Elastic joints
- Safety valves 200/180
- Pressure Switches
- Nickel-plated brass ball valves:
- Stainless steel chek valves
- Pipes A.P.
- High pressure hose reel.
- Stainless steel electical panel

SUPPLIED for HIGH PRESSURE MODULE

- Cabinet module with sled
- Stainless steel AISI 316 filters for 30 "cartridges.
- Cartridges with 50 μ filtration degree:
- Cartridges with 5 μ filtration degree:
- Stainless steel pressure gauge:
- Valve group

Demolition hammers set up





DUST CONTROL FOR DEMOLITION HAMMERS AND MECHANICAL SHOVELS





DUST CONTROL in TUNNELLING

NEBULIZZAZIONE ARKS

SUPPLIED for HIGH PRESSURE MODULE

Sliding and towable portal on pend12 ÷ 13% slope

Tow slides

Cabinet for electrical panel and safety filter

Safety filter

Red lights fixed

High visibility stickers

Counterweights tanks with exhaust valves

Compressed air inlet valve

Water inlet valve

Water pressure reducer

Compressed air pressure reducer

Air filter with pressure gauge

Compressed air pressure reducer

Ultrasonic atomizing nozzles

Electrical cabinet

Power supply socket



TELESCOPIC CANNON

for dust removal in the excavation front





OSMOGENIC BARRIERS

with customized projects for:

- Dust abatement in construction sites, warehouses, factories, mines;
- Odor elimination in processing organic and inorganic products



WATER TREATMENT PLANTS

Demineralization Ultrafiltration Reverse Osmosis





CLEAN[®] S.r.l.

Via Borgo Padova, 64

35012 Camposampiero

PADOVA, ITALY

Tel. +39.049.9300500 r.a.

Fax +39.049.9340042

www.lavaruote.it

www.clean-impianti.it

www.abbattimento-polveri.it

clean@clean-impianti.it

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