



SPRAY NOZZLES FOR INDUSTRIAL APPLICATIONS



**DUST AND ODOUR
SUPPRESSION
CATALOGUE**

PNR ITALIA SRL

EXPERIENCE, KNOWLEDGE AND QUALITY FOR THE INDUSTRY

PNR ITALIA manufactures and markets small spraying nozzles for individual use up to spraying systems for large industrial plants and is able to meet every customer's need with targeted solutions. The wide range of products includes spray nozzles, washing heads and complementary accessories such as filters, guns and hoses for industrial washing, ejectors, blow nozzles, joints and hose clamps.

Located in Voghera, not far from Milan, the Headquarter and production plant is located in a strategic area favored by the proximity to the main motorway networks and important international maritime routes, easily accessible from the port of Genoa.

PNR ITALIA started its activity in 1968 with the trade and production of components and spraying nozzles for fire protection systems and, subsequently, with a range of sprayers for industrial applications. Over time it has grown and consolidated through a commercial policy based on a widespread network of partners present in the main foreign markets and also thanks to a continuous investment in research.

Today PNR ITALIA has at its disposal a technologically advanced production plant for the production of spraying nozzles, washing heads and atomizers with absolute quality machines, many of which work with CNC technology, often internally designed for special machining.

With an annual production of about 9 million pieces, PNR ITALIA is a solid industrial reality oriented to constant growth, driven by high-tech investments and product innovation.



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FOG CANNONS FOR DUST AND ODOURS SUPPRESSION

WE OFFER A COMPLETE RANGE OF FOG CANNONS FOR THE ABATEMENT OF DUST AND ODORS, CAPABLE OF SATISFYING EVERY OPERATIONAL NEED IN EVERY APPLICATION

Our range of fog cannons for the abatement of dust and odors are divided into two series: the **EASY series** - compact and easy to use machines - and the **STRONG series** - machines resistant to the most adverse conditions and for large plants such as quarries, mines, tunnels, major demolitions, mining parks, steel mills.

Sani-Boost fog cannons are tools aimed at improving the quality of work and life in particular working environments, ensuring health and maintaining efficiency in production.





LINEA EASY

Environmentally friendly technology

The **EASY Series** machines stand out for the ease of use, low energy and water consumption; their reduced dimensions allow movement everywhere there's need to control and reduce dust and odours.

They find their natural application in demolitions and scrap yards, crushing plants, recycling plants of all kind of materials, road and excavation works and steel mills.

The "all included" proposal with pump, filtration system, rotation system, together with "easy to use" control panel, simplifies the **EASY Series** machines use making them operative only by connecting them to electricity and water supply obtaining a powerful and efficient spraying system.

The engineering, design and manufacturing quality control , attention to details as well as to components keeps **EASY Series** machines' value not affected by the lapse of time.



SANI-BOOST 10

POWER 10



FEATURES

Ideal for small demolitions

Plug 220 Volts 16A

Wheels for easy movement

Lifting hook

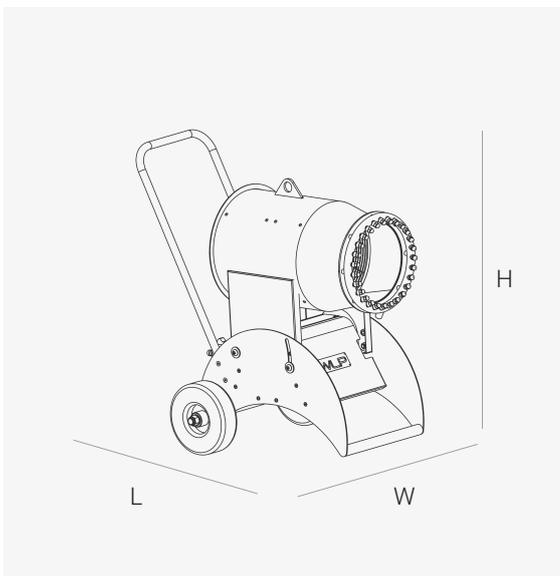
Comfortable handle grip

Interchangeable nozzles for optimizing water flow

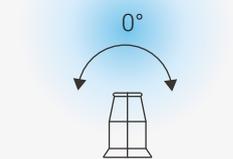
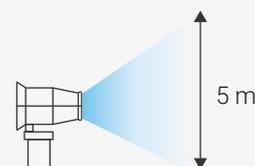
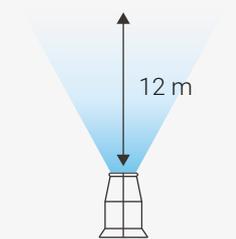


WATER CONSUMPTION WITH 10 GPH NOZZLES

bar	2	4	6
L/min	2,82	4	5



TECHNICAL DATA	SANI-BOOST 10
Installed power	1,5 Kw
Fan power	0,750 Kw
Water pump power	0,750 Kw
Protection rating	IP55
Power supply	220-230 Volts - 50 Hz
Pitching	0-15°
Max throw distance	15 m
Noise level	< 93 Lwa
Dry weight	58 Kg
Dimensions (mm)	L = 810 H = 936 W = 555
Minimum pressure	1 bar



SANI-BOOST 40

POWER 40



FEATURES

Ideal for small demolitions

Wheels for easy movement

Tow hitch

Lifting system by forklift

Usable with remote control

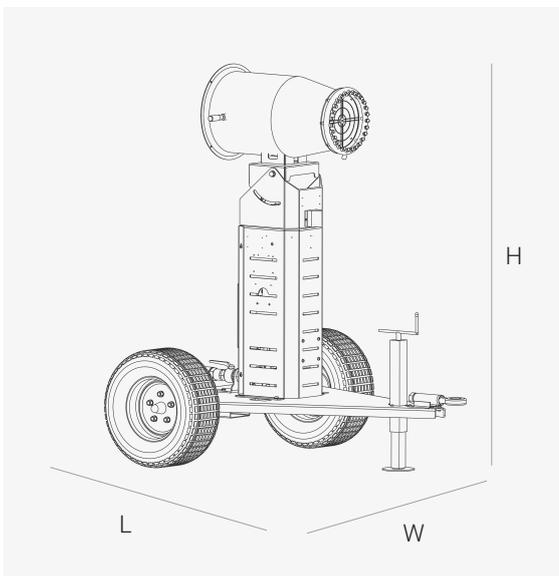
Interchangeable nozzles for optimizing water flow

Electric rotation and solenoid valve water

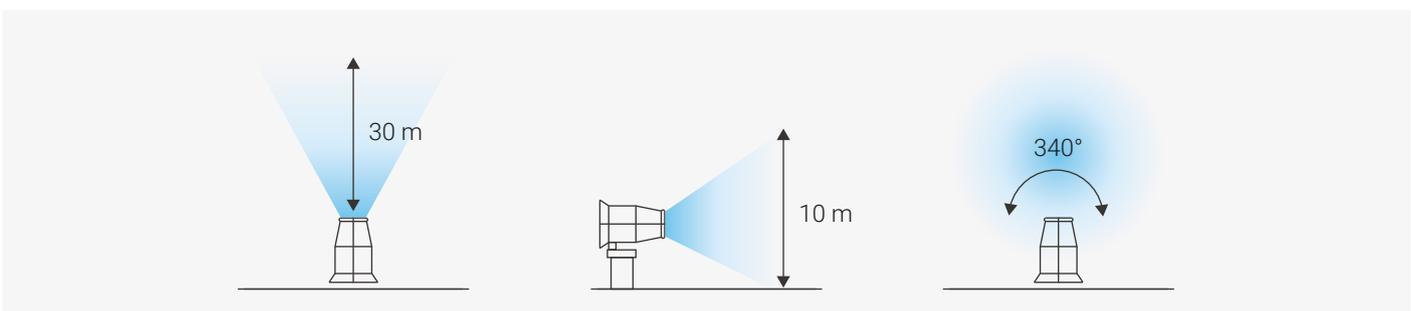


WATER CONSUMPTION WITH 10 GPH NOZZLES

bar	6	9	12	15
L/min	16	20	23	25



TECHNICAL DATA	SANI-BOOST 40
Installed power	6 Kw
Fan power	3 Kw
Water pump power	3 Kw
Protection rating	IP55
Power supply	16A 3P+(N)+T 400Volts 50Hz
Pitching	-20° +45°
Max throw distance	20 - 30 m
Noise level	< 93 Lwa
Dry weight	200 Kg
Dimensions (mm)	L = 1715 H = 1965 W = 1470
Minimum pressure	1 bar



SANI-BOOST 50

POWER 50



FEATURES

Ideal for small demolitions

Wheels for easy movement

Tow hitch

Lifting system by forklift

Usable with remote control

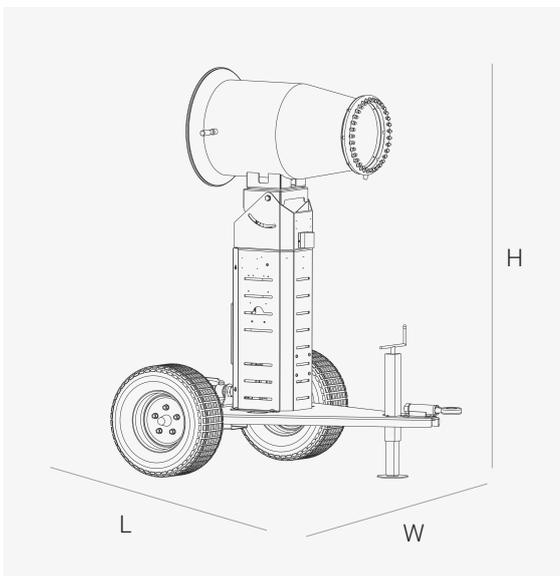
Interchangeable nozzles for optimizing water flow

Electric rotation and solenoid valve water

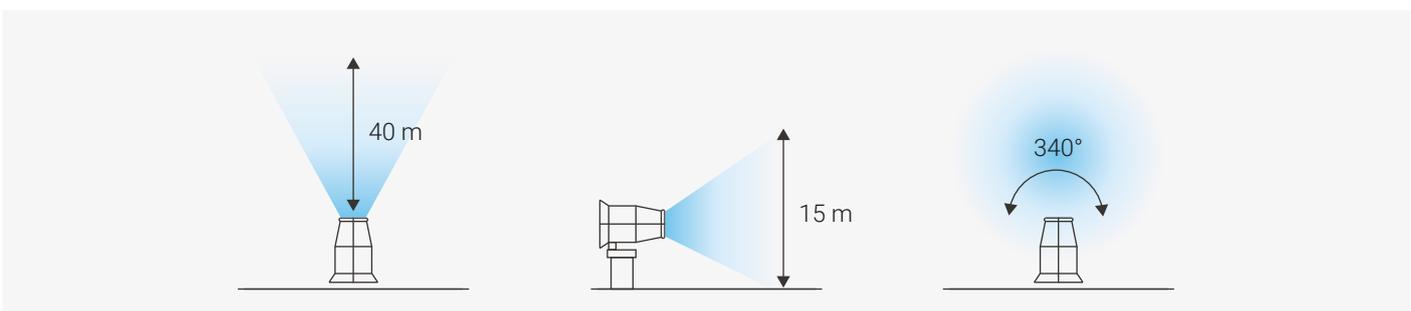


WATER CONSUMPTION WITH 10 GPH NOZZLES

bar	6	9	12	15
L/min	20	24	28	31



TECHNICAL DATA	SANI-BOOST 50
Installed power	8 Kw
Fan power	5,5 Kw
Water pump power	2,2 Kw
Protection rating	IP55
Power supply	32A 3P+(N)+T 400Volts 50Hz
Pitching	-20° +45°
Max throw distance	30 - 40 m
Noise level	< 93 Lwa
Dry weight	240 Kg
Dimensions (mm)	L = 1715 H = 2000 W = 1500
Minimum pressure	1 bar



SANI-BOOST 70

POWER 70



FEATURES

Ideal for small demolitions

Wheels for easy movement

Tow hitch

Lifting system by forklift

Usable with remote control

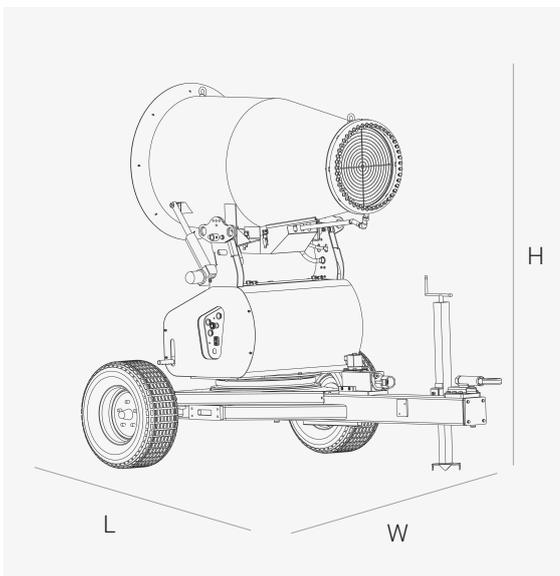
Interchangeable nozzles for optimizing water flow

Electric rotation and solenoid valve water



WATER CONSUMPTION WITH 10 GPH NOZZLES

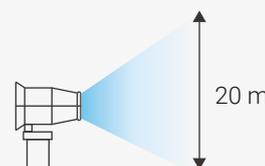
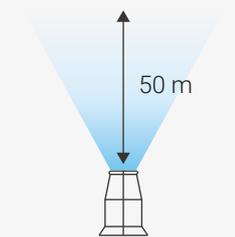
bar	6	9	12	15
L/min	27	33	38	42



TECHNICAL DATA

SANI-BOOST 70

Rings of nozzles	1
Number of nozzles	45
Type nozzles	standard Stainless steel
Fan power	11 kW
Max throw distance	50 m
Pitching	-10° +40°
Power supply	400 V 50 Hz 3P+N+G 32 A
Protection rating	IP 55
Noise level	< 93 Lwa
Water Filter / Filtration Degree	Inox - 250 Micron
Minimum pressure	1 bar





LINEA STRONG

Searching for total efficiency

Every single component of the **STRONG Series** system has been designed to carry out the most severe conditions of use such as working in quarries, mines, tunnels, large demolitions, mining parks, steel mills.

The multi-crown spraying system with stainless steel nozzles allows regulating the amount of water necessary to control and reduce dust and odours according to availability and water hardness.

Where size matters and where dust control is essential to work efficiently and safely, the **STRONG Series** cannons are the perfect answer to cover long distances.

The **STRONG Series** cannons powered from 5,5 Kw up to 90 Kw are used in mining parks, mines, ports and steel mills, where considerable power is needed to reach maximum performance and long distances.

The robust design and the steel and aluminium fans guarantee outstanding performances and don't fear dust and debris.

Power, performance and flexibility of use make the **STRONG Series** an exceptional performance machine.



SANI-BOOST 500 POLE

POWER 500

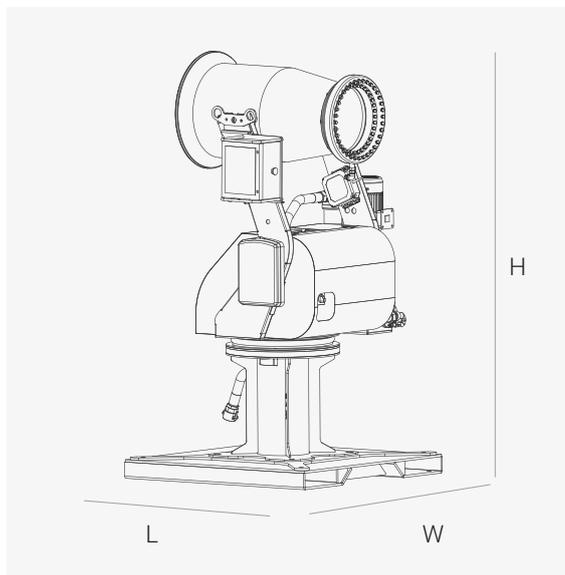


FEATURES

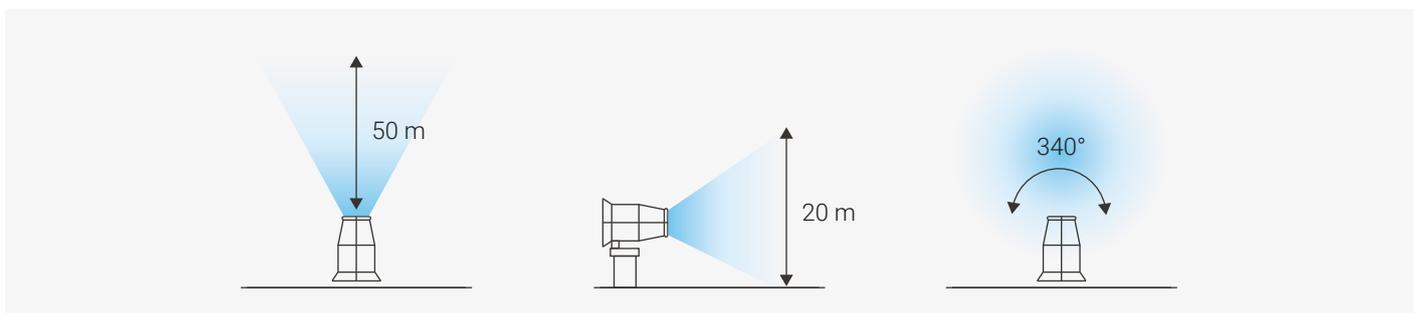
- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software



WATER CONSUMPTION WITH 10-15 GPH NOZZLES				
bar	6	9	12	15
Min L/min	21	26	30	33
Max L/min	53	65	75	84



TECHNICAL DATA	SANI-BOOST 500 Pole
Rings of nozzles	2
Number of nozzles	72 (n. 36 per ring)
Installed power	11 kW
Fan power	5,5 kW
Water pump (opzionale)	4 kW
Pitching	-20° +45°
Max throw distance	40 - 50 m
Noise level	< 93 Lwa
Dry weight	726 Kg
Dimensions (mm)	L = 1270 H = 2200 W = 1200
Pressure	min 1 bar - max 35 bar



SANI-BOOST 500 TRAILER

POWER 500

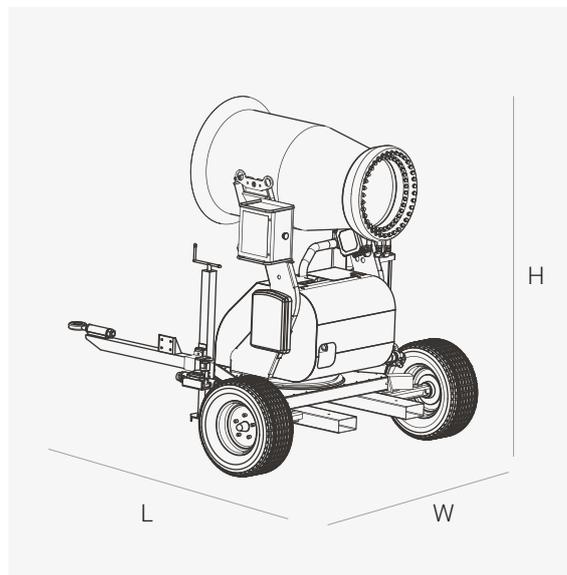


FEATURES

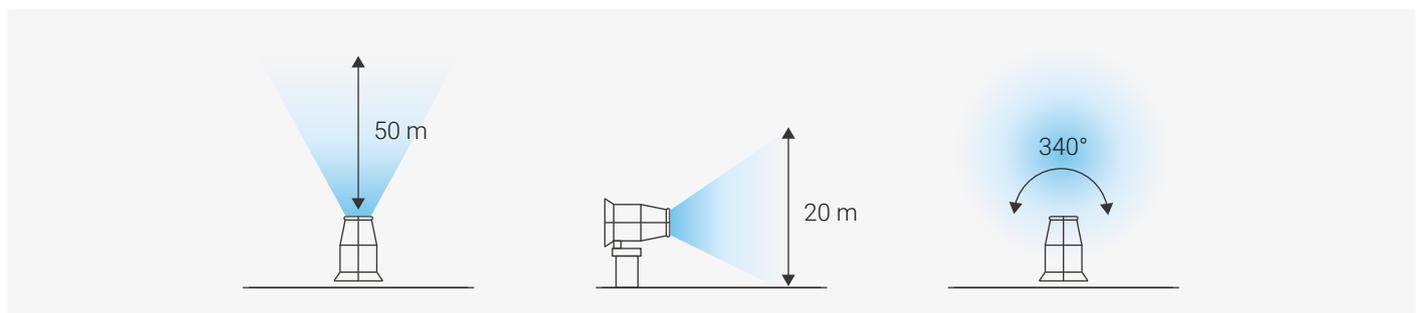
- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software



WATER CONSUMPTION WITH 10-15 GPH NOZZLES				
bar	6	9	12	15
Min L/min	21	26	30	33
Max L/min	53	65	75	84



TECHNICAL DATA	SANI-BOOST 500 Trailer
Rings of nozzles	2
Number of nozzles	72 (n. 36 per corona)
Installed power	11 kW
Fan power	5,5 kW
Water pump (opzionale)	4 kW
Pitching	-20° +45°
Max throw distance	40 - 50 m
Noise level	< 93 Lwa
Dry weight	527 Kg
Dimensions (mm)	L = 1880 H = 1960 W = 1600
Pressure	min 1 bar - max 35 bar



SANI-BOOST 700 POLE

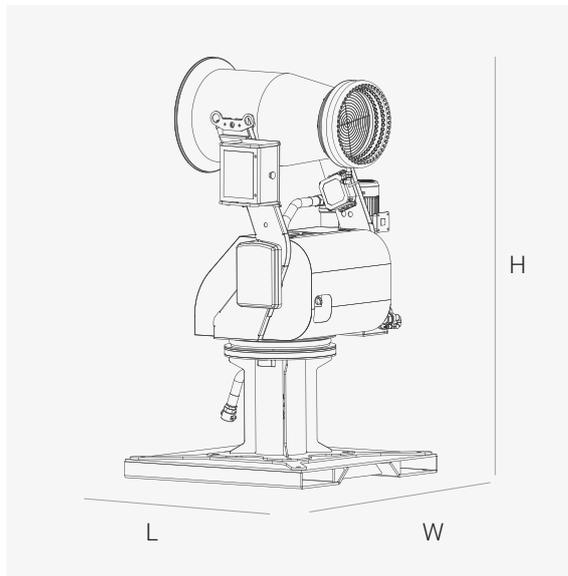
POWER 700



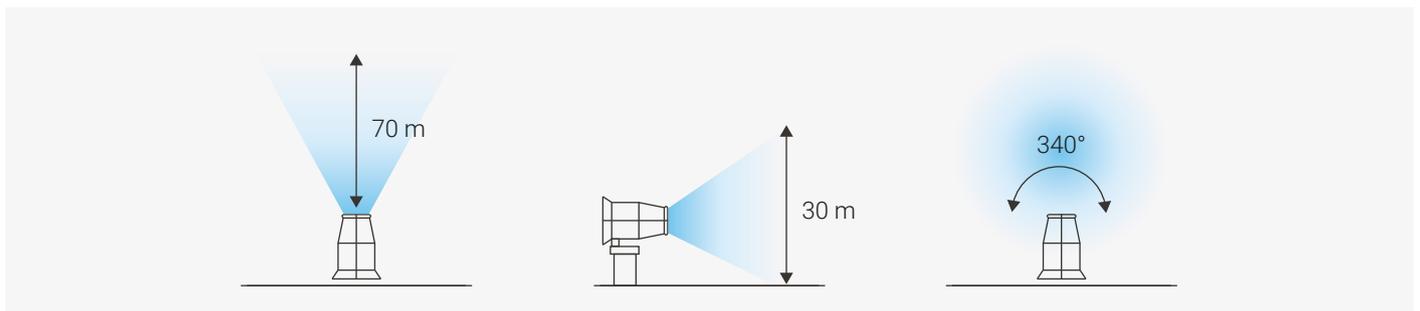
FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software

WATER CONSUMPTION WITH 10-15 GPH NOZZLES				
bar	6	9	12	15
Min L/min	15	18	21	23
Max L/min	88	108	125	139



TECHNICAL DATA	SANI-BOOST 700 Pole
Rings of nozzles	3
Number of nozzles	150 (n. 50 per corona)
Installed power	20 kW
Fan power	11 kW
Water pump (opzionale)	7,5 kW
Pitching	-20° +45°
Max throw distance	60 - 70 m
Noise level	< 93 Lwa
Dry weight	870 Kg
Dimensions (mm)	L = 1400 H = 2340 W = 1310
Pressure	min 1 bar - max 35 bar



SANI-BOOST 700 TRAILER

POWER 700



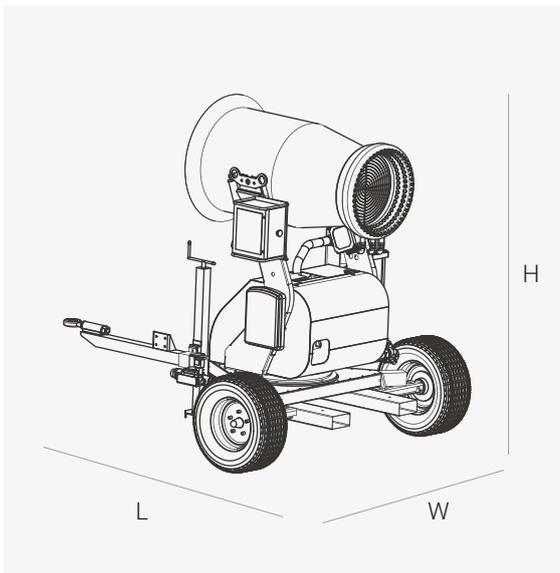
FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software

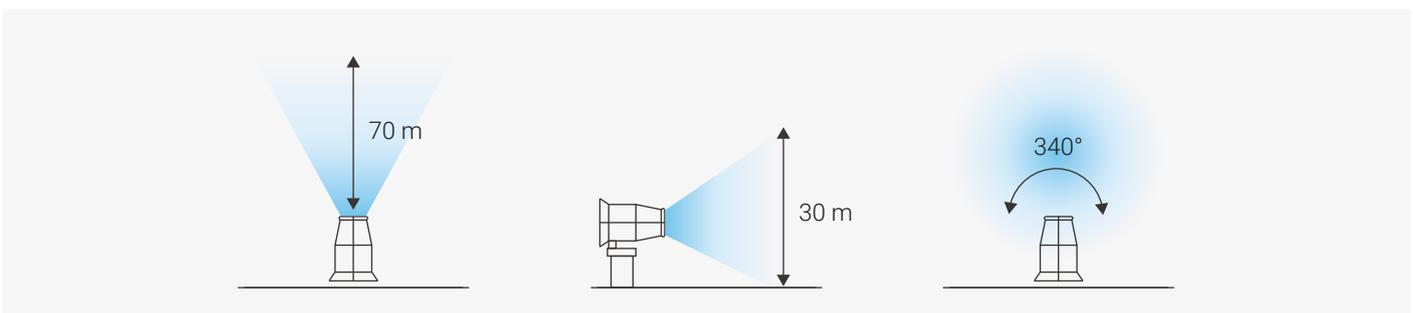


WATER CONSUMPTION WITH 10-15 GPH NOZZLES

bar	6	9	12	15
Min L/min	21	26	30	33
Max L/min	53	65	75	84



TECHNICAL DATA	SANI-BOOST 700 Trailer
Rings of nozzles	3
Number of nozzles	150 (n. 50 per corona)
Installed power	20 kW
Fan power	11 kW
Water pump (opzionale)	7,5 kW
Pitching	-20° +45°
Max throw distance	60 - 70 m
Noise level	< 93 Lwa
Dry weight	670 Kg
Dimensions (mm)	L = 1880 H = 2030 W = 1600
Pressure	min 1 bar - max 35 bar



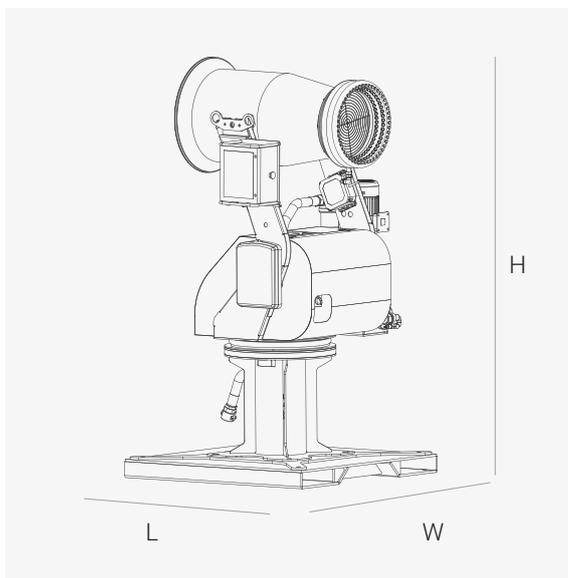
SANI-BOOST 718 POLE POWER 718



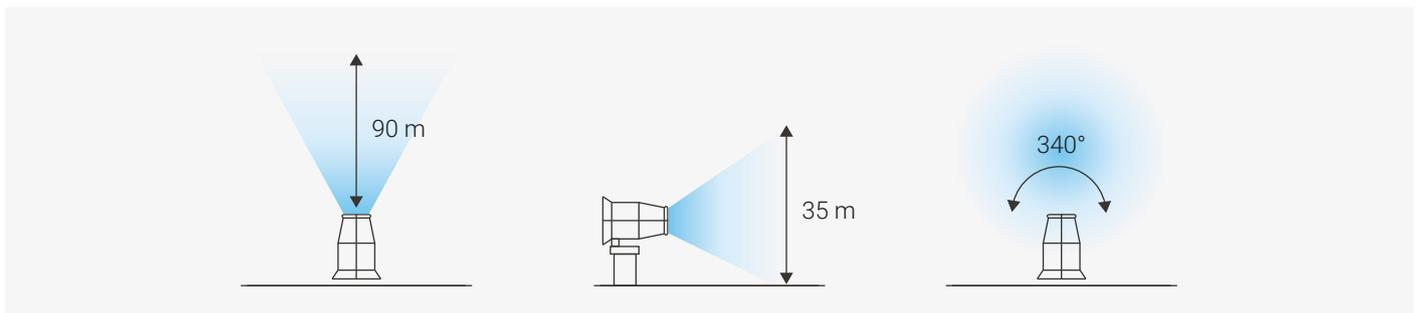
FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software

WATER CONSUMPTION WITH 5 - 10 -15 GPH NOZZLES				
bar	6	9	12	15
Min L/min	15	18	21	23
Max L/min	88	108	125	139



TECHNICAL DATA	SANI-BOOST 718 Pole
Rings of nozzles	3
Number of nozzles	150 (n. 50 per corona)
Installed power	26 kW
Fan power	18,5 kW
Water pump (opzionale)	7,5 kW
Pitching	-20° +45°
Max throw distance	80 - 90 m
Noise level	< 93 Lwa
Dry weight	880 Kg
Dimensions (mm)	L = 1400 H = 2340 W = 1310
Pressure	min 1 bar - max 35 bar



SANI-BOOST 718 TRAILER

POWER 718



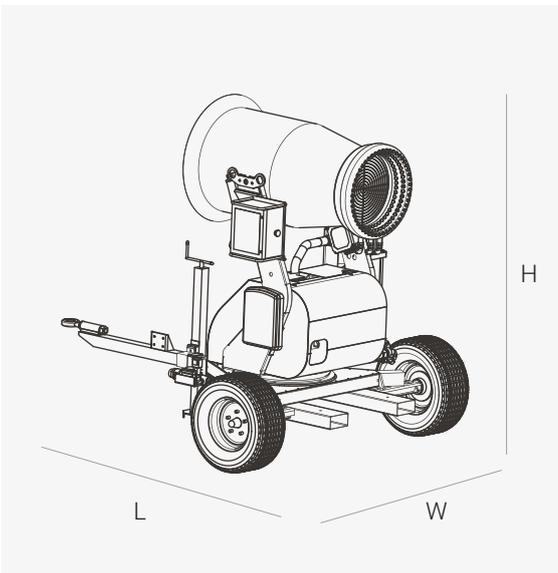
FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software

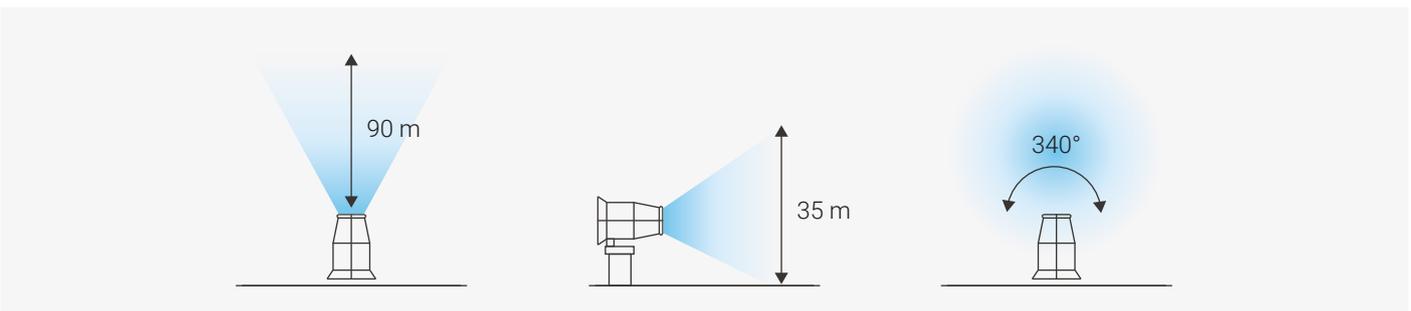


WATER CONSUMPTION WITH 5 - 10 - 15 GPH NOZZLES

bar	6	9	12	15
Min L/min	15	18	21	23
Max L/min	88	108	125	139



TECHNICAL DATA	SANI-BOOST 718 Trailer
Rings of nozzles	3
Number of nozzles	150 (n. 50 per corona)
Installed power	26 kW
Fan power	18,5 kW
Water pump (opzionale)	7,5 kW
Pitching	-20° +45°
Max throw distance	80 - 90 m
Noise level	< 93 Lwa
Dry weight	683 Kg
Dimensions (mm)	L = 1800 H = 2030 W = 1600
Pressure	min 1 bar - max 35 bar



SANI-BOOST 800 POLE

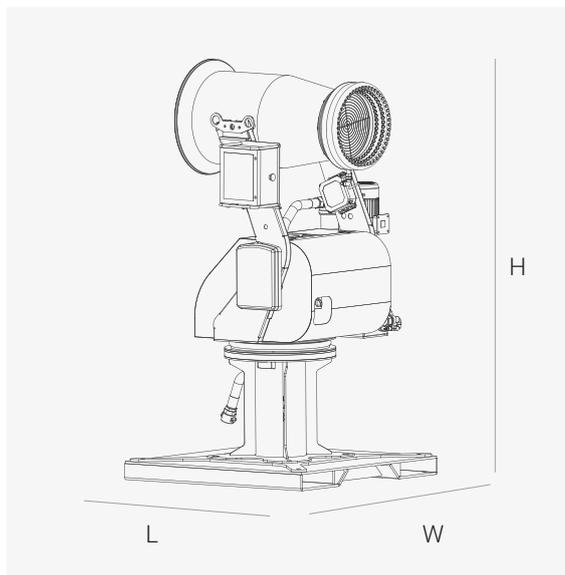
POWER 800



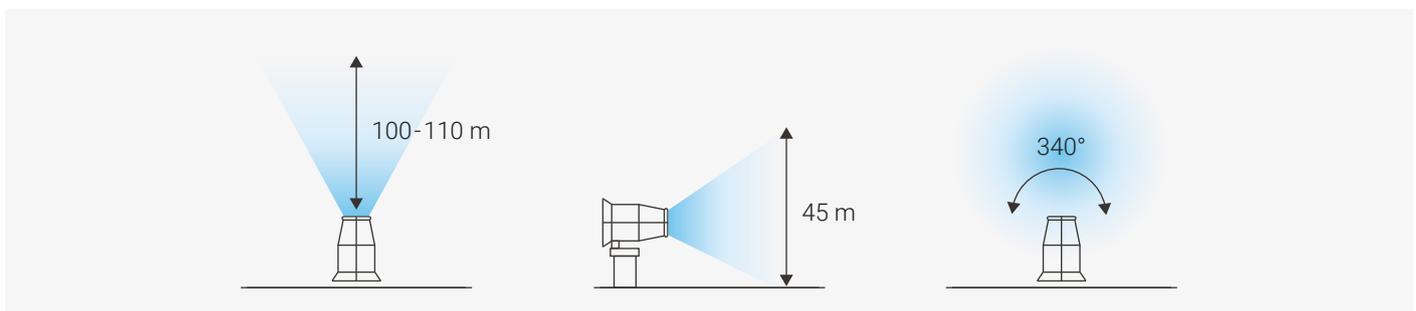
FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software

WATER CONSUMPTION WITH 5 - 10 -15 GPH NOZZLES				
bar	6	9	12	15
Min L/min	15	18	21	23
Max L/min	88	108	125	139



TECHNICAL DATA	SANI-BOOST 800 Pole
Rings of nozzles	3
Number of nozzles	150 (n. 50 per corona)
Installed power	32 kW
Fan power	22 kW
Water pump (opzionale)	7,5 kW
Pitching	-20° +45°
Max throw distance	100 - 110 m
Noise level	< 93 Lwa
Dry weight	1350 Kg
Dimensions (mm)	L = 1610 H = 2980 W = 1710
Pressure	min 1 bar - max 35 bar



SANI-BOOST 800 TRAILER

POWER 800



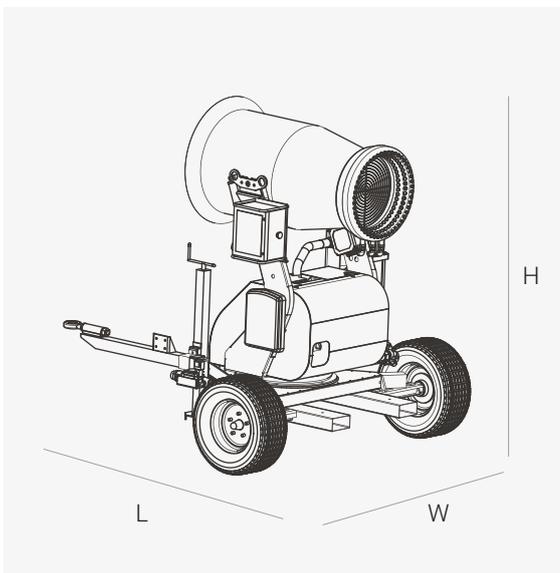
FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning or machine on cart with large wheels section
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software

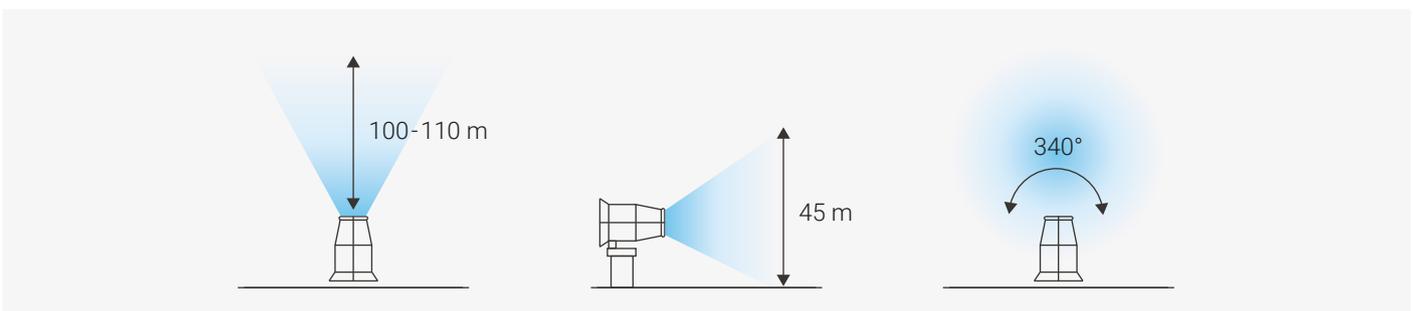


WATER CONSUMPTION WITH 5 - 10 - 15 GPH NOZZLES

bar	6	9	12	15
Min L/min	15	18	21	23
Max L/min	88	108	125	139



TECHNICAL DATA	SANI-BOOST 800 Trailer
Rings of nozzles	3
Number of nozzles	150 (n. 50 per corona)
Installed power	32 kW
Fan power	22 kW
Water pump (opzionale)	7,5 kW
Pitching	-20° +45°
Max throw distance	100 - 110 m
Noise level	< 93 Lwa
Dry weight	683 Kg
Dimensions (mm)	L = 1800 H = 2030 W = 1600
Pressure	min 1 bar - max 35 bar



SANI-BOOST 1200

POWER 1200



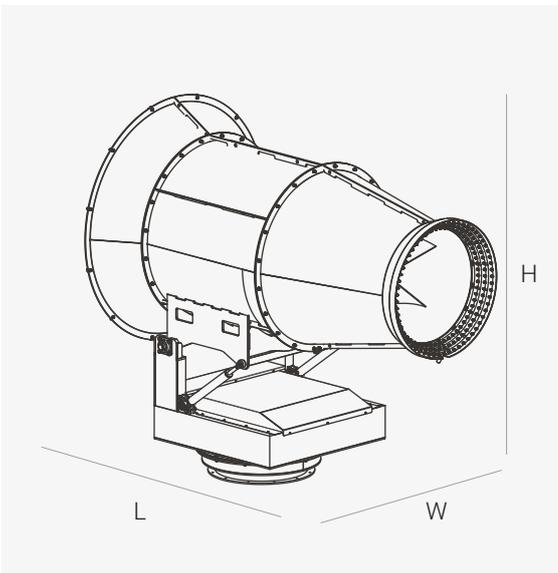
FEATURES

- Suitable for working in extreme conditions
- Machine installed on support tower
- High efficiency
- Water pump multistage stainless steel
- Variable water flow rate
- Angle of rotation can be set freely
- Time break labor management
- Water filter stainless steel
- Stainless steel nozzles
- Ready for centralized management software
- Optional: remote control or solenoid valve

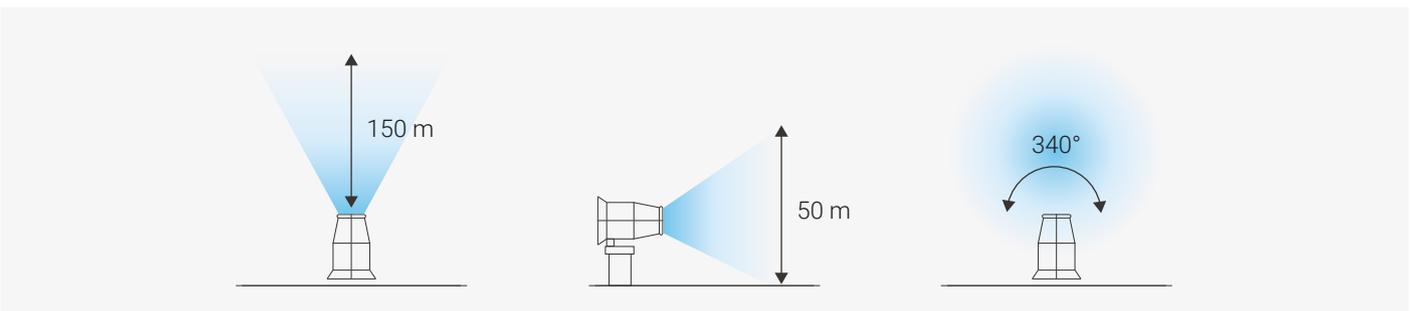


WATER CONSUMPTION WITH 10 - 15 -20 GPH NOZZLES

bar	6	9	12	15
Min L/min	23	30	34	38
Max L/min	107	132	152	170

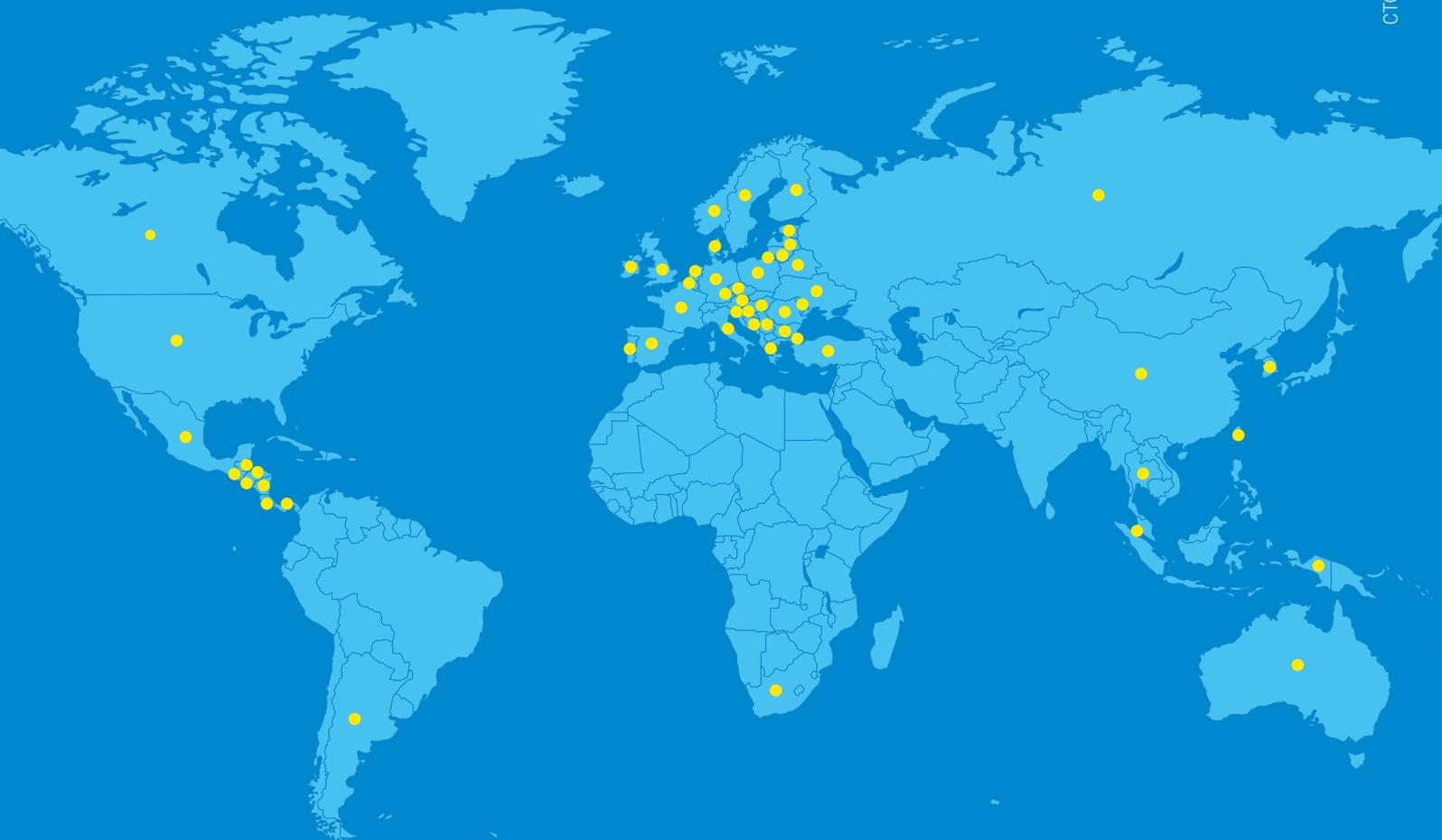


TECHNICAL DATA	SANI-BOOST 1200
Rings of nozzles	3
Number of nozzles	180 (n. 60 per corona)
Fan power	90 kW
Water pump (opzional)	min: 11 kW
Power supply	250A 3P+(N)+T 400Volts
Pitching	-15° +35°
Max throw distance	120 - 150 m
Noise level	< 93 Lwa
Dry weight	2780 Kg
Dimensions (mm)	L = 3240 H = 2600 W = 2120
Pressure	min 1 bar - max 35 bar



A GLOBAL PRESENCE ALL OVER THE WORLD.

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