



# SPRAY NOZZLES FOR INDUSTRIAL APPLICATIONS



# DUST AND ODOUR SUPPRESSION CATALOGUE



# PNR ITALIA SRL

## EXPERIENCE, KNOWLEDGE AND QUALITY FOR THE INDUSTRY

Our company follows a path of continuous improvement of efficiency, that goes from a proper order handling, product quality and delivery times, to the choice of the most appropriated packing materials.

Our portfolio ranges from all types of spray nozzles, wash heads and atomizers to more complex and tailored spraying units and devices. The result of a long experience and a vast know-how in fluids dynamics, design, and manufacturing. Throughout our history, we have successfully served a wide variety of industries all over the world. We can supply our products through a global sales network of PNR commercial branches and Distributors.

Located in Voghera, not far from Milan, our Headquarters and production facility span 14.000 sqm, conveniently positioned in a well-served area, near key international shipping routes and in easy reach of the Genoa port.

We are focused on delivering innovative and technology-based solutions to respond to the changing needs of customers, while maintaining our commitment to tradition and Italian quality.



# SUPPRESSION OF DUST AND ODOURS

Design and production of tools aimed to improve the quality of life and work in environments where particular problems are evident.



*PNR Headquarters - Voghera (Italy)*



# EASY SERIES

## 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

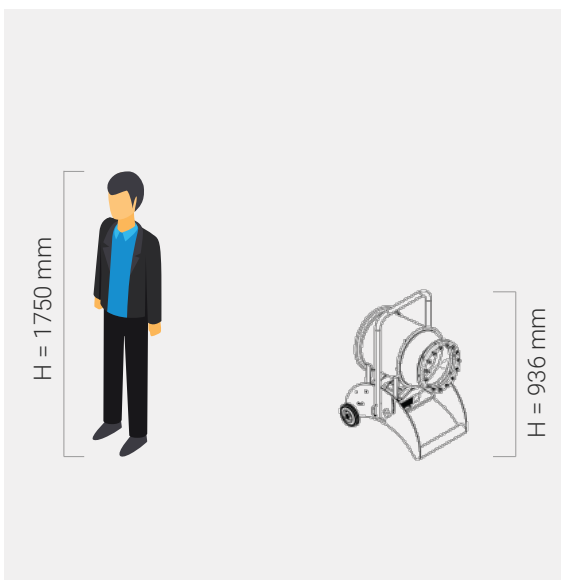


### FEATURES

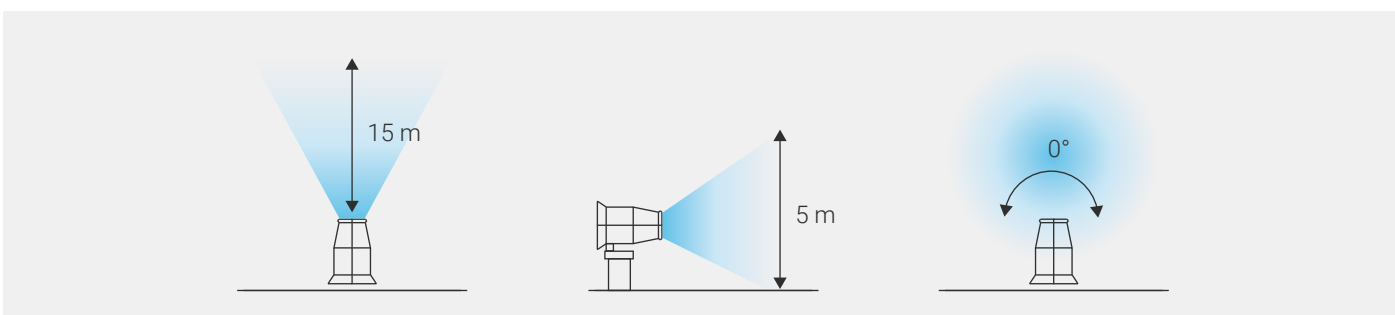
- Ideal for small demolitions
- Plug 220 Volts 16A
- Wheels for easy movement
- Lifting hook
- Comfortable handle grip
- Interchangeable nozzles for optimizing water flow

#### 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)    | <b>L</b> = 810 <b>H</b> = 936 <b>W</b> = 555 |
| Minimum pressure   | 1 bar                                        |



# SANI-BOOST 40

## POWER 40



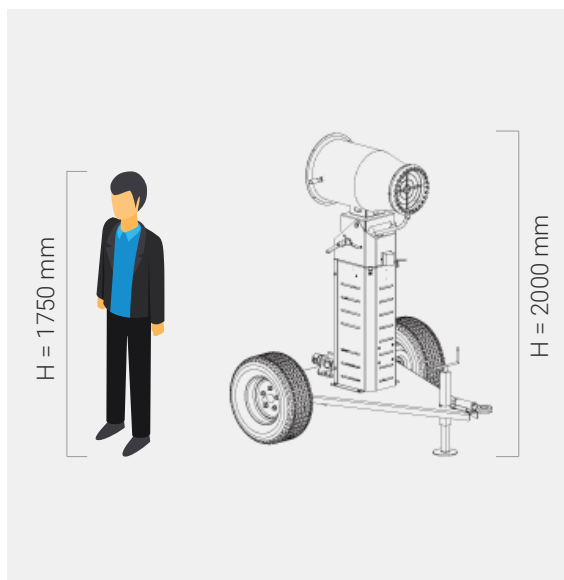
### FEATURES

- 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

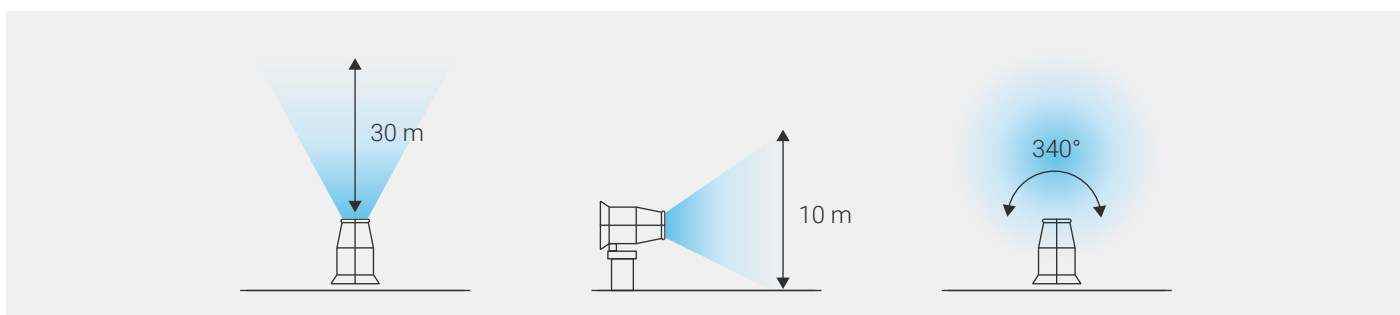


### WATER CONSUMPTION WITH 10 GPH NOZZLES

|       |    |    |    |    |
|-------|----|----|----|----|
| 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   | 2,2 Kw                                          |
| Protection rating  | IP55                                            |
| Power supply       | 16A 3P+(N)+T 400Volts 50Hz                      |
| Pitching           | -20° +45°                                       |
| Max throw distance | 30 m                                            |
| Noise level        | < 93 Lwa                                        |
| Dry weight         | 200 Kg                                          |
| Dimensions (mm)    | <b>L</b> = 1800 <b>H</b> = 2000 <b>W</b> = 1500 |
| Minimum pressure   | 1 bar                                           |



# SANI-BOOST 50

## POWER 50

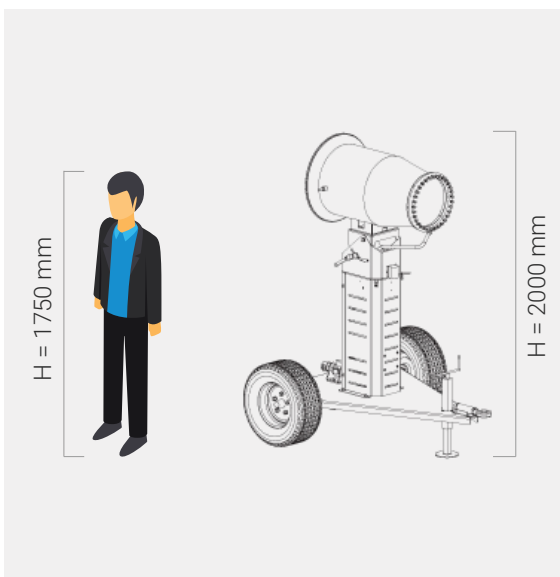


### FEATURES

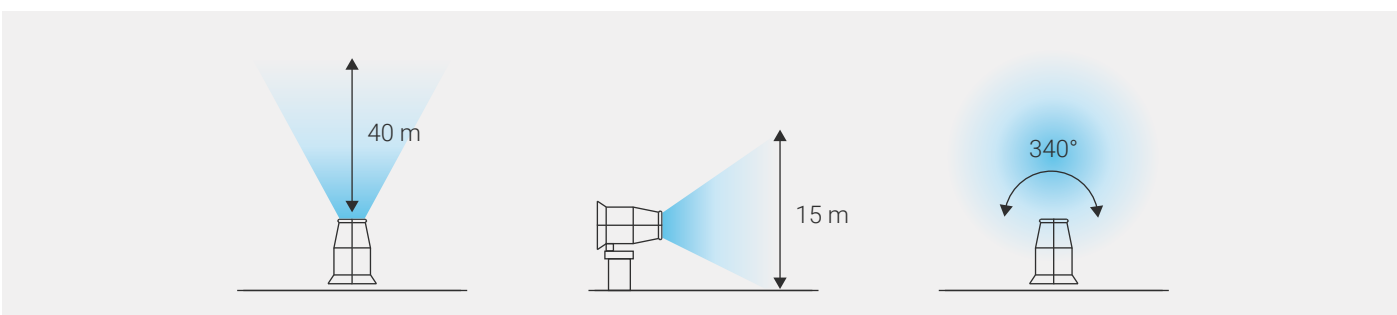
- Ideal for small demolitions
- Wheels for easy movement
- Tow hitch
- Lifting system by forklift
- Usable with remote control
- Interchangeable nozzles for optimizing water flow
- Electric rotation and solenoid valve water

### 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 | 40 m                              |
| Noise level        | < 93 Lwa                          |
| Dry weight         | 240 Kg                            |
| Dimensions (mm)    | <b>L = 1800 H = 2000 W = 1500</b> |
| Minimum pressure   | 1 bar                             |





# STRONG SERIES

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

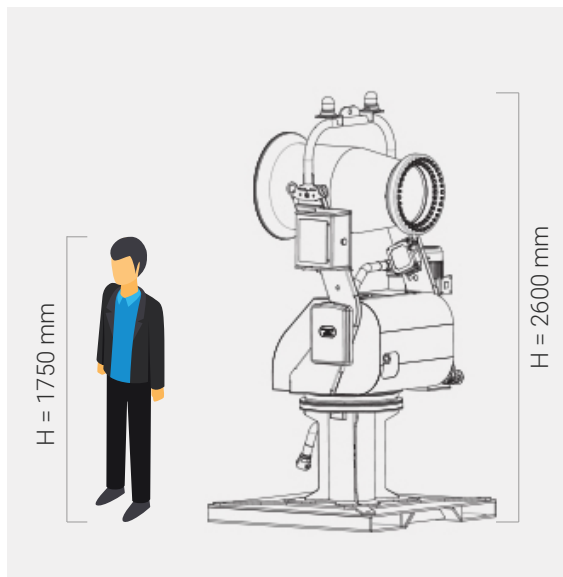
## POWER 500



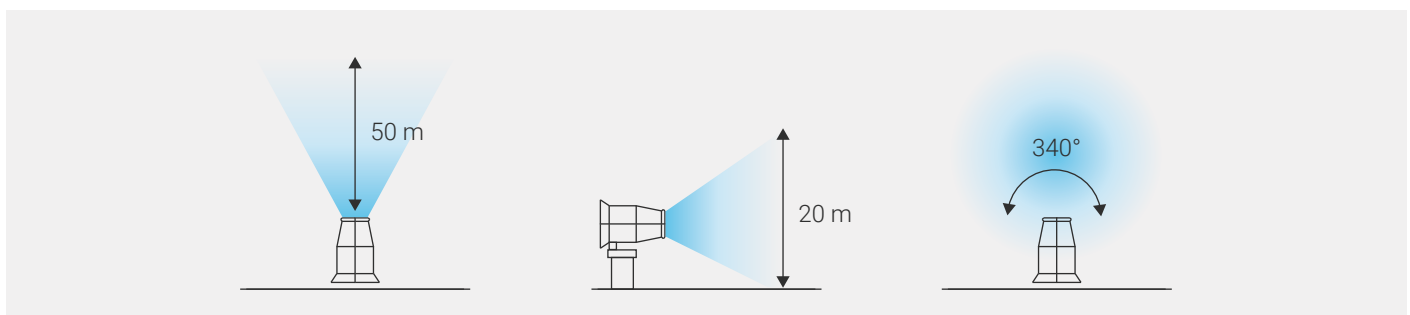
### FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning
- 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                             |
|--------------------|-------------------------------------------------|
| Installed power    | 8,7 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 | 40 - 50 m                                       |
| Noise level        | < 93 Lwa                                        |
| Dry weight         | 660 Kg                                          |
| Dimensions (mm)    | <b>L</b> = 1200 <b>H</b> = 2600 <b>W</b> = 1200 |
| Minimum pressure   | 1 bar                                           |



# SANI-BOOST 500 Trailer

## POWER 500



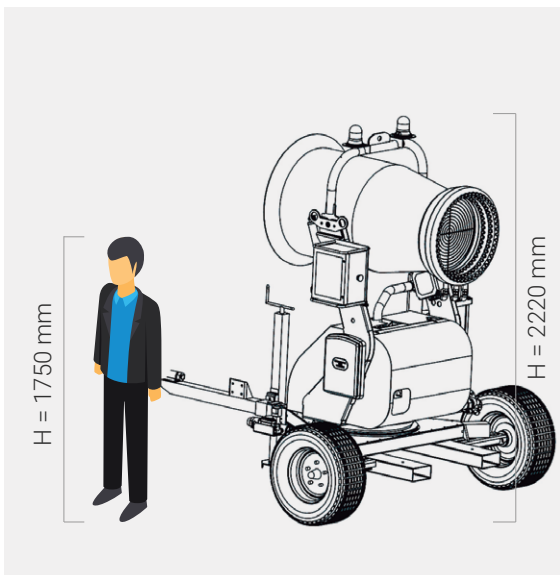
### FEATURES

- Suitable for working in extreme conditions
- Machine on cart with large wheels section for easy movement on rough terrain
- 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

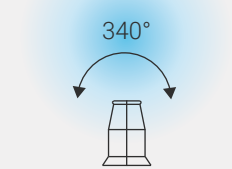
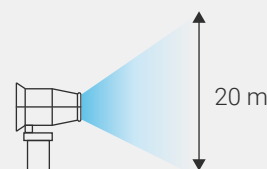
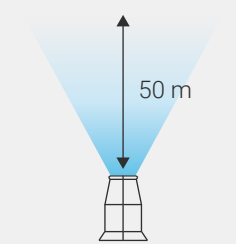
|           |    |    |    |    |
|-----------|----|----|----|----|
| bar       | 6  | 9  | 12 | 15 |
| Min L/min | 21 | 26 | 30 | 33 |
| Max L/min | 53 | 65 | 75 | 84 |



### TECHNICAL DATA

### SANI-BOOST 500 Trailer

|                    |                                   |
|--------------------|-----------------------------------|
| Installed power    | 8,7 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 | 40 - 50 m                         |
| Noise level        | < 93 Lwa                          |
| Dry weight         | 430 Kg                            |
| Dimensions (mm)    | <b>L = 2490 H = 2220 W = 1900</b> |
| Minimum pressure   | 1 bar                             |



# SANI-BOOST 700 Pole

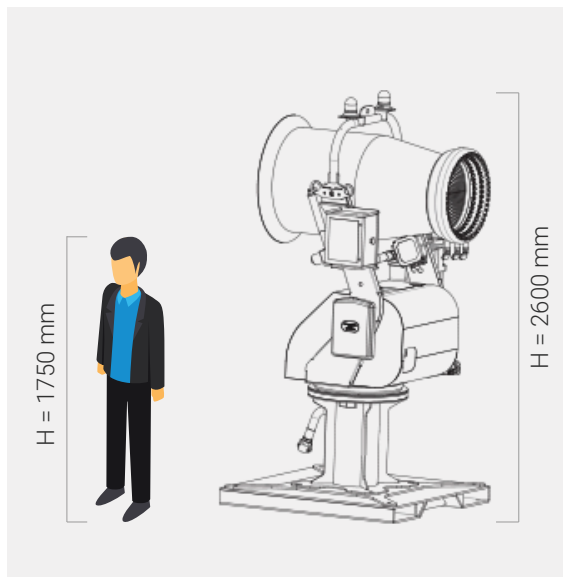
## POWER 700



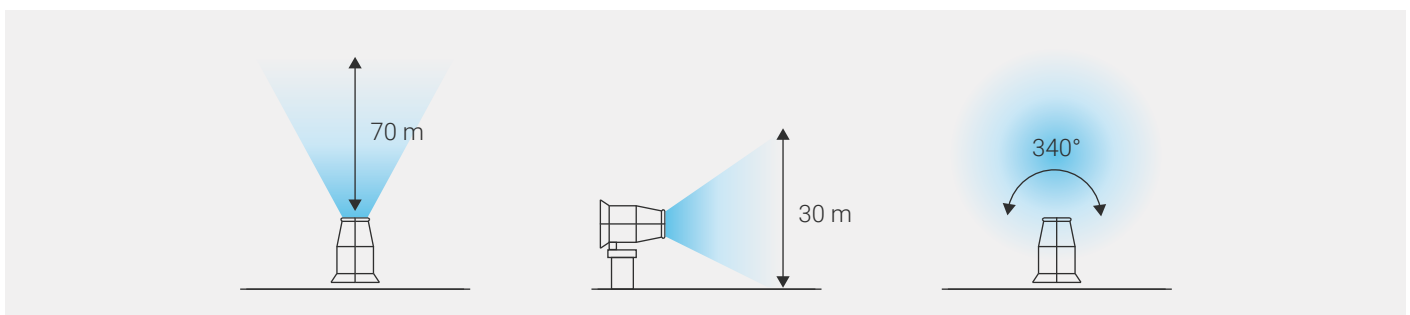
### FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning
- 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               |
|--------------------|-----------------------------------|
| Installed power    | 16 Kw                             |
| Fan power          | 11 Kw                             |
| Water pump power   | 4 Kw                              |
| Protection rating  | IP55                              |
| Power supply       | 63A 3P+(N)+T 400Volts 50Hz        |
| Pitching           | -20° +45°                         |
| Max throw distance | 60 - 70 m                         |
| Noise level        | < 93 Lwa                          |
| Dry weight         | 740 Kg                            |
| Dimensions (mm)    | <b>L = 1200 H = 2600 W = 1320</b> |
| Minimum pressure   | 1 bar                             |



# SANI-BOOST 700 Trailer

## POWER 700



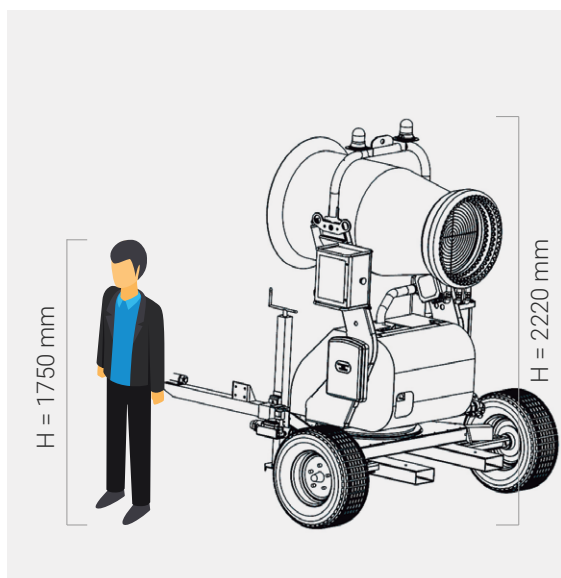
### FEATURES

- Suitable for working in extreme conditions
- Machine on cart with large wheels section for easy movement on rough terrain
- 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

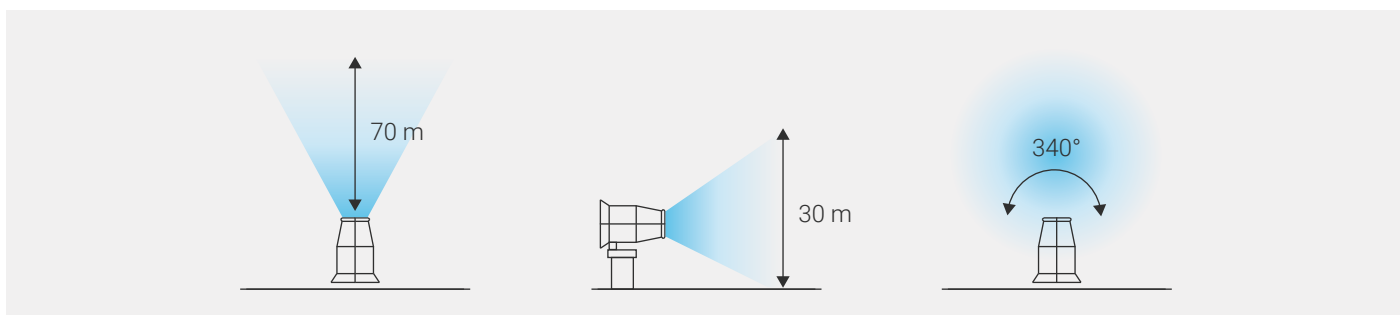


### WATER CONSUMPTION WITH 10-15 GPH NOZZLES

| 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                          |
|--------------------|-------------------------------------------------|
| Installed power    | 16 Kw                                           |
| Fan power          | 11 Kw                                           |
| Water pump power   | 4 Kw                                            |
| Protection rating  | IP55                                            |
| Power supply       | 63A 3P+(N)+T 400Volts 50Hz                      |
| Pitching           | -20° +45°                                       |
| Max throw distance | 60 - 70 m                                       |
| Noise level        | < 93 Lwa                                        |
| Dry weight         | 510 Kg                                          |
| Dimensions (mm)    | <b>L</b> = 2490 <b>H</b> = 2220 <b>W</b> = 1900 |
| Minimum pressure   | 1 bar                                           |



# SANI-BOOST 718 Pole

## POWER 718



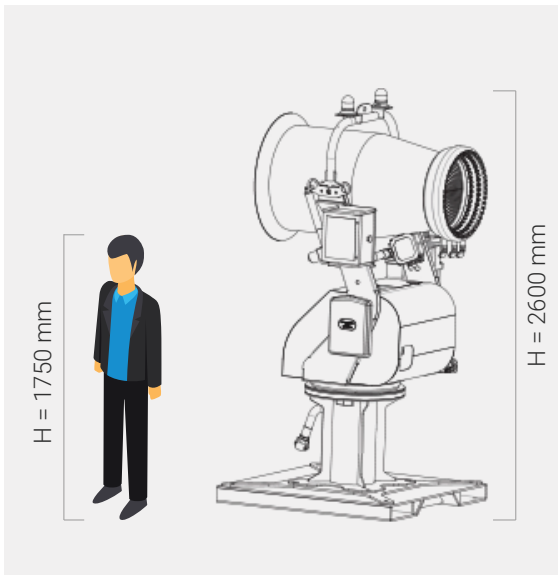
### FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning
- 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

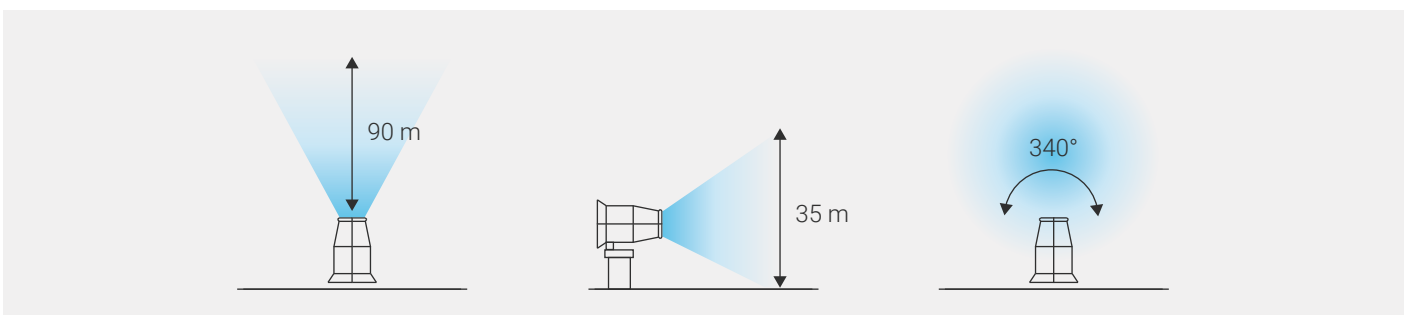


### WATER CONSUMPTION WITH 5 - 10 -15 GPH NOZZLES

| 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               |
|--------------------|-----------------------------------|
| Installed power    | 23,5 Kw                           |
| Fan power          | 18,5 Kw                           |
| Water pump power   | 4 Kw                              |
| Protection rating  | IP55                              |
| Power supply       | 63A 3P+(N)+T 400Volts 50Hz        |
| Pitching           | -20° +45°                         |
| Max throw distance | 80 - 90 m                         |
| Noise level        | < 93 Lwa                          |
| Dry weight         | 780 Kg                            |
| Dimensions (mm)    | <b>L = 1200 H = 2600 W = 1320</b> |
| Minimum pressure   | 1 bar                             |



# SANI-BOOST 718 Trailer

## POWER 718

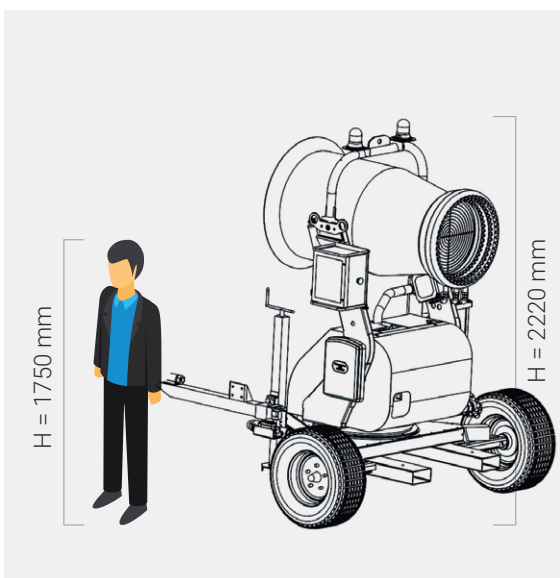


### FEATURES

- Suitable for working in extreme conditions
- Machine on cart with large wheels section for easy movement on rough terrain
- 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

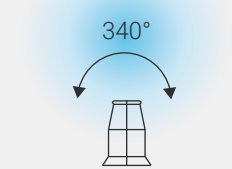
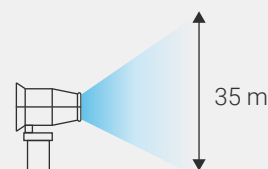
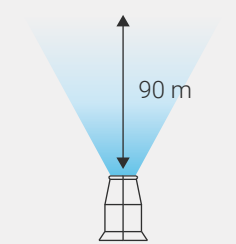
| bar       | 6  | 9   | 12  | 15  |
|-----------|----|-----|-----|-----|
| Min L/min | 15 | 18  | 21  | 23  |
| Max L/min | 88 | 108 | 125 | 139 |



#### TECHNICAL DATA

#### SANI-BOOST 718 Trailer

|                    |                                   |
|--------------------|-----------------------------------|
| Installed power    | 23,5 Kw                           |
| Fan power          | 18,5 Kw                           |
| Water pump power   | 4 Kw                              |
| Protection rating  | IP55                              |
| Power supply       | 63A 3P+(N)+T 400Volts 50Hz        |
| Pitching           | -20° +45°                         |
| Max throw distance | 80 - 90 m                         |
| Noise level        | < 93 Lwa                          |
| Dry weight         | 780 Kg                            |
| Dimensions (mm)    | <b>L = 2490 H = 2220 W = 1900</b> |
| Minimum pressure   | 1 bar                             |



# SANI-BOOST 800

## POWER 800



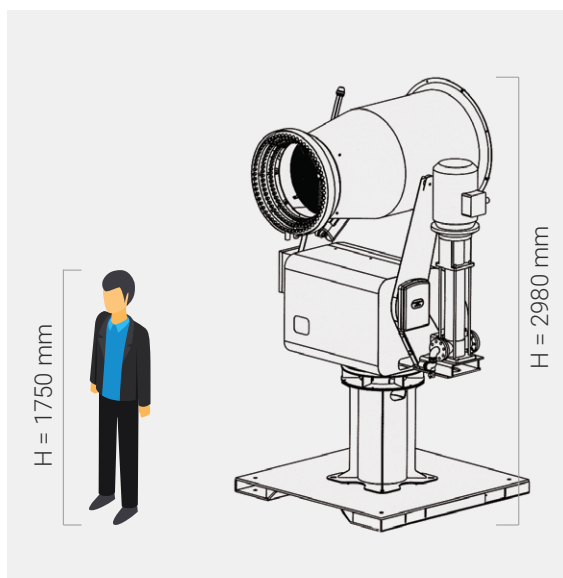
### FEATURES

- Suitable for working in extreme conditions
- Base in galvanized iron for easy positioning
- 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

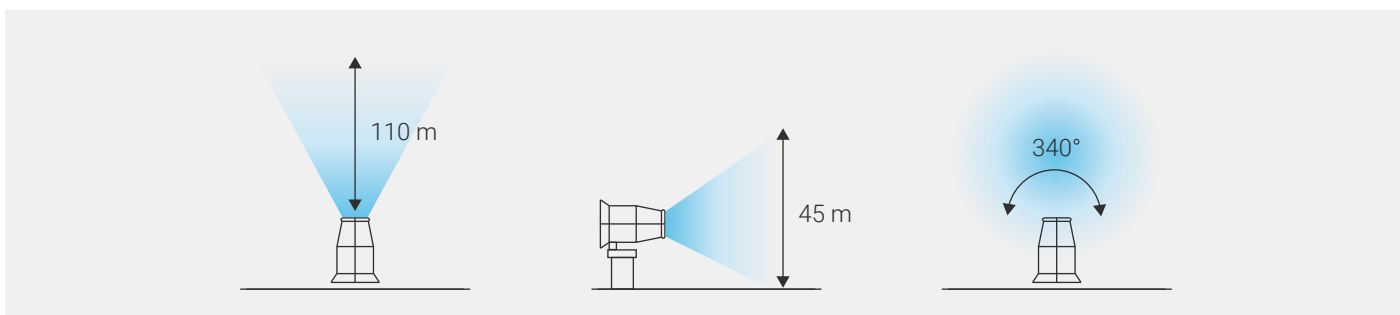


### WATER CONSUMPTION WITH 10 - 15 -20 GPH NOZZLES

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



| TECHNICAL DATA     | SANI-BOOST 800                                  |
|--------------------|-------------------------------------------------|
| Installed power    | 44 Kw                                           |
| Fan power          | 30 Kw                                           |
| Water pump power   | 11 Kw                                           |
| Protection rating  | IP55                                            |
| Power supply       | 125A 3P+(N)+T 400Volts 50Hz                     |
| Pitching           | -20° +45°                                       |
| Max throw distance | 100 - 110 m                                     |
| Noise level        | < 93 Lwa                                        |
| Dry weight         | 1350 Kg                                         |
| Dimensions (mm)    | <b>L</b> = 1200 <b>H</b> = 2980 <b>W</b> = 1700 |
| Minimum pressure   | 1 bar                                           |



# SANI-BOOST 1200

## POWER 1200



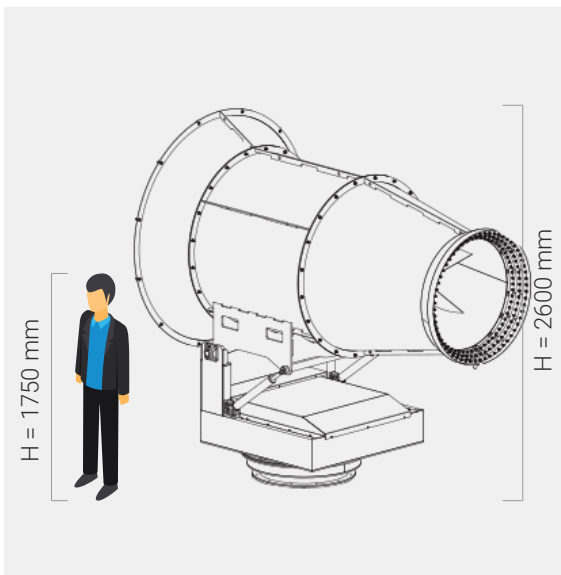
### FEATURES

- 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



### WATER CONSUMPTION WITH 10 - 15 -20 GPH NOZZLES

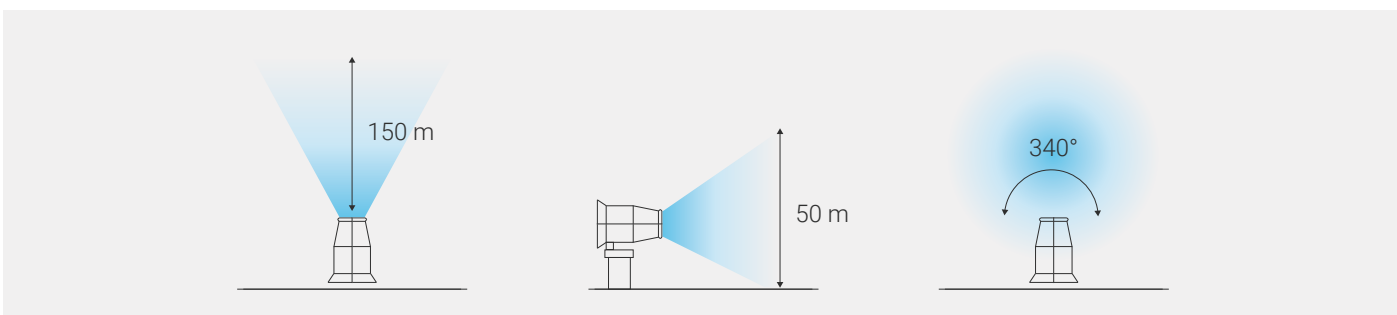
| bar       | 6   | 9   | 12  | 15  |
|-----------|-----|-----|-----|-----|
| Min L/min | 23  | 30  | 34  | 38  |
| Max L/min | 107 | 132 | 152 | 170 |



### TECHNICAL DATA

### SANI-BOOST 1200

|                    |                                   |
|--------------------|-----------------------------------|
| Installed power    | 110 Kw                            |
| Fan power          | 90 Kw                             |
| Water pump power   | 11 Kw                             |
| Protection rating  | IP55                              |
| Power supply       | 250A 3P+(N)+T 400Volts 50Hz       |
| Pitching           | -20° +45°                         |
| Max throw distance | 150 m                             |
| Noise level        | < 93 Lwa                          |
| Dry weight         | 2780 Kg                           |
| Dimensions (mm)    | <b>L = 3200 H = 2600 W = 2600</b> |
| Minimum pressure   | 1 bar                             |





# OUR EXPERIENCE

## IN DUST SUPPRESSION

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# A GLOBAL PRESENCE ALL OVER THE WORLD.



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